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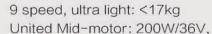
20" FOLDING E-BIKE W/ UNITED MID-MOTOR

A HUMMINGBIRD:

STABLE

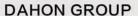
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PEL210025 Carbon Frame+Carbon Fork Size:27.5", 29" Seat post: 31.6mm Weight:1150g



PEL210027 Carbon Frame+Carbon Fork Size:27.5", 29" Seat post: 31.6mm Weight:1150g



PEL210028 Carbon Frame For E-BLKi Size: 27.5' Seat post: 31.6mm Seat Clamp: 35mm



PEL210026 Carbon Frame For E-BLKE Size: 29" Seat post, 31 Rmm



PEL210033 Alloy Frame For E-BLKE Size: 28\*480MM



PEL210032 Alloy Frame For E-BIKE Size: 700C\*17" Seat Post: 30.4MM



PEL210029 Alloy Frame+Carbon Fork Size: 700C Material: Alloy 6061



PEL210030 Alloy Lady Frame Size 26",27.5", 29" Material: Alloy 6061



PEL210031 Alloy Frame+ Steel Fork Size: 12", 18", 20" Freestyle Material: Alloy 6061

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PEL210035 Carbon Fork Wheel Size: 29



PEL210036 Carbon Fork Wheel Size: Road 700C



PEL210034 Carbon Fork Wheel Size:27.5", 29"



PEL210037 Alloy Fork For E-BIKE Wheel size: 26", 24", 20"



PEL210040 Alloy Fork For MTB Wheel size: 29", 27.5", 26", 24", 20" Crown pitch: 125mm



PEL210038 Alloy Fork For E-BIKE Wheel size: 26", 24", 20" Crown pitch: 130mm



PEL210039Alloy Fork For MTB Wheel size: 29", 27.5", 26" Crown pitch: 130mm Features, Air Spring Pressure System/ Hydraulic Remote Speed Lock-Out



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700C/26"/20" Alloy crown Alloy / steel stanchion Magniseum lowers M-lock out/H-lockout

#### SOUL

29"/27.5"/26" Alloy crown Alloy / steel stanchion Magniseum lowers M-lock out/H-lockout Remote lockout Air spring

#### SOUL-DH

29"/27.5"/26"
Alloy crown
Alloy / steel stanchion
Magniseum lowers
M-lock out/H-lockout
Remote lockout
Air spring



#### SOUL(E-FATBIKE)

26"/20" (4.0"/4.9" Tires) Alloy crown Alloy / steel stanchion Magniseum lowers M-lock out/H-lockout Remote lockout Air spring



#### ■RD-8101

29"/27.5"/26"/20" 1.95"--2.5" tires Alloy steerer One piece alloy lowers Smooth welding V-brake/disc brake





29"/27.5"/26"/20" 2.3"--3.0" tires Alloy steerer One piece alloy lowers Smooth welding V-brake/disc brake



#### RD-4000

26"/24"/20" 4.0"--4.9" tires Alloy steerer Alloy lowers Smooth welding V-brake/disc brake





#### C-730

Alloy crown Alloy / steel stanchion Aluminum lowers V-brake/disc brake M-lock out/H-lockout



#### RD-9201

700C/26"/20" Alloy lowers V/Disc brake Alloy steerer



700C/26"/20" Magniseum lowers Disc brake Alloy steerer



#### HAT-800/600

Forged alloy 1-1/8"steerer 1"/1-1/8"barmore



#### **■ FAT-99**

26"/24"/20" 4.0" tires Alloy crown Alloy stanchion Aluminum lower Disc brake



#### **■ FATMAN**

26"/24"/20"
4.0"tires
Alloy crown
Alloy stanchion
Aluminum lower
Disc brake
MC lockout
Hydawlic lockout
Air spring



## FA-220

26"/24"/20" 4.0"/4.9"tires Alloy crown Alloy stanchion Aluminum lower Disc brake MC lockout Hydawlic lockout Air spring





#### FAT-40

26"/24"/20" 4.0"tires Alloy crown Steel stanchion Steel lower Disc brake MC lockout Hydawlic lockout



#### PATENTED

FAT-50
26"/24"/20"
4.0"tires
Alloy crown
Steel stanchion
One pcs Steel lower
Disc brake
MC lockout
Hydawlic lockout



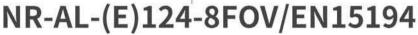
#### RS-50

Air spring Adjust praload Rebound damper











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- 20"\*4.0"



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   700C\*45C



- 500W 48V13.2Ah Li-ion
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   Max Speed 32km/h
- Shimano 8 Speed 20"\*4.0"



- 250W 36V10Ah Li-ion
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   Max Speed 25km/h
- Shimano 7 Speed 700C\*38C

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Bike Market Update

CBES

**BES** 

Outside

Cycling Update

**Bicycling** 









# Bicycle Terminology



















#### 名稱介紹

- ⊕ Handlebar 車把手
- ❸ Grip / Tape 握把套/握把帶
- @ Brake Lever 煞車握把
- Shift Lever 變速把手
- Headset 車頭碗組
- ☑ Head Tube 前管(頭管)
- Brake Cable Housing 煞車導管
- Fork Crown 前叉肩蓋
- **®** Fork 前叉
- Fork Dropout 前叉端



- Disc Brake 碟煞
- ❶ Hub 花鼓(軸皮)
- ②Quick Release 快拆(快卸裝置)
- **1** Valve 氣嘴
- ₩ Spoke 鋼絲/輻條
- Saddle 座墊(鞍座)
- Seat Post 座桿(鞍管)
- 3 Brake Cable 煞車導線
- ② Top Tube 上管
- 2 Down Tube 下管
- Seat Tube 座管
- 4 Pear Shock 後避震器
- ◎ Pedal 腳踏 (腳蹬)
- @ Crankset大齒盤曲柄組
- ② Chain 鏈條

- 3 Derailleur Cable 變速導線
- ②Chain Stay 後下叉(平叉)
- 3 Rear Derailleur後變速器(後撥鏈器)
- ☑ Tire 輪胎 (外胎)
- ™ Motors 馬達系統
- 3 Battery 電池

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Published on: 9 August 2021

### **Staying Alert To The Challenges**

lthough many countries have embarked on vaccination campaigns, variants of the COVID-19 virus still threaten people's lives and continue to disrupt the global economy. The bicycle industry is of a small number of industries to benefit from the pandemic, however, and the global supply of bicycles has not yet caught up to demand. Dealers' bicycle inventories continue to remain low, and Asian manufacturers have been working furiously to produce more bikes. But although Taiwan and Vietnam achieved impressive success at keeping out the virus last year, they have experienced a series of local outbreaks since May of this year. These outbreaks can be attributed to lack of adequate preparedness, as well as inability to purchase vaccines in sufficient quantities. Taiwan announced a Level 3 epidemic alert in May, but has now downgraded this to a Level 2 alert after determined nationwide preventive efforts and accelerated rate of vaccinations. We are extremely grateful to Japan and US in particular for donating many vaccine doses to Taiwan, which has helped defuse a looming crisis. In addition, Lithuania, Slovakia, and Czech Republic have also donated vaccines. These donations have let us feel the warmth of international friendship in the midst of adverse circumstances.

The pandemic has continued worsen in Southeast Asia. Thailand has had a cumulative total of over 600,000 confirmed cases, and Bangkok and those provinces with highest risk have extended strict preventive measures until the end of August. The situation has also been grave in Vietnam, and Ho

Chi Minh City and another 18 provinces and cities in the southern part of the country have continued to extend lock downs.



Grace S. Ruan

Numerous factories—including bicycle plants had stopped work as a result, and production has been impacted. But although the virus has continued to make inroads in Malaysia, some bicycle plants that had previously reduced production or even stopped work, have recently restored operations. In contrast, the spread of the virus has been kept under adequate control in Taiwan, and the situation has had little influence on production. In spite of this, the industry's shipments have suffered a major impact from long lead times and shortages of materials and cargo containers. According to KTM President Carol Chen, while receiving plentiful orders, her company has had a difficult time making timely shipments due to the influence of many variables. Due to shortages and delayed shipments, the market's inventory has reached severely low levels; if this situation continues, great harm will be done to the bicycle industry. Furthermore, the long lead times and the fact that bicycles cannot be made if even one critical component is missing has made assembly plants worry about making deliveries. And since many assembly plants have repeatedly ordered parts, parts vendors are also agonizing over whether and when they can ship their products.

Taiwan has become the largest supplier of e-bike to the European Union, and e-bikes have become the biggest cash cow among Taiwan's bicycle exports. Taiwan exported 496,000 e-bikes from January to June of 2021 (up 36.9% from the same period of last year); the value of these exports totaled US\$646 million (up 40%). The average unit price of Taiwan's export e-bikes was US\$1,303, which was an increase of 2.3% from the same period of 2020. E-bike exports to the US exceeded 130,000 units (up by 45.6%), exports to the EU reached 270,000 units (up by 24.8%), and exports to Britain totaled 45,000 units (up by 153%). Taiwan has many advantages in the area of mid-/high-end e-bike manufacturing, and companies are working hard to make the slogan "Think of E-Bikes, think of Taiwan" a reality.

Thanks to preferential tariff rates, Cambodia has become the leading source of imported bicycles in the EU, and many orders from the US and EU are going to Cambodia and Vietnam. Over the course of the last few years, Vietnam has become the main choice for Taiwanese and Chinese firms moving production overseas, and these companies have recently been enjoying full order books. Their main current problem is uncertain shipping times due to shortages of parts and cargo containers; the price of container shipments to the US has risen to US\$9,000-US\$10,000, and shipping schedules remain unpredictable.

According to data from the China Bicycle Association (CBA), Chinese firms produced a total of 116 million bicycles and e-bikes in 2020, of which 75.3 million units consisted of bicycles and 41.3 million units consisted of e-bikes. Output of both bicycles and e-bikes were up by double digits compared with 2019. Most manufacturers in China have full orders, but a small number have expressed that they have encountered difficulties

this year, and may have lower output than last year.

In the wake of the pandemic, parts supplies, shipping schedules, and raw materials have become erratic variables that have made doing business challenging. Some firms have warned that 2023 will be an extremely important year and time of great uncertainty, and companies should therefore be very cautious when placing orders. In the face of an unpredictable future, companies can only show sympathy for their peers, perform effective risk management, and maintain readiness. But we believe that if it can pass its future tests, the cycle industry will enjoy a bright future.

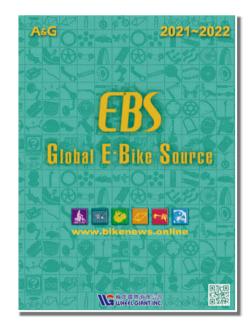
Due to Covid, almost all of international bicycle shows since 2020 have been cancelled. These closures have prevented people in the industry from going overseas to meet with customers, sound out market conditions, and hold new product announcement meetings and various activities. Work from home, online conferences, remote communication, online shopping, and e-commerce have become routine. Seeing the tremendous global demand for e-bikes, Wheel Giant began publishing Global E-Bike Source (EBS) three years ago, including print, online, and app versions. EBS provides an optimal platform connecting suppliers and buyers, without the barriers of time, space, and Covid-prevention restrictions. With EBS, buyers can find professional, reputable suppliers at any time or place without having to conduct timeconsuming online searches.

We look forward to seeing and hugging all our good international friends after the pandemic is over!

from S. Ruc

2021-2022





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Chepark Enterprise Co., Ltd		Shandong Taishan Ruibao Composite Materia	
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Chosen Co., Ltd.		Shanghai Paragon Industry Imp&Exp Co.	
Chuan Wei Ind. Co., Ltd			
Cionlli Ind. Co., Ltd		Shenzhen Dahon Technology, Ltd	
Cixi Hengfeng Vehicle Co., Ltd		Shenzhen Mozo Techinology Co., Ltd	
Darfon Electronics Corp1		Shun Shing Bicycle Co., Ltd	
DP Motors Co., Ltd 1		Shun Xin Co., Ltd	
Dynapack International Technology Corpora		Shuz Tung Machinery Ind. Co., Ltd	
		SR Suntour Inc.	
Ebfec Group Sp. Z O.O		Sunny Wheel Ind. Co., Ltd 185, 197	
Echowell Electronic Co., Ltd		Suzhou Bafang Electric Motor Science-To	
Fairly Bike Mfg. Co., Ltd		Co., Ltd	
Foming Bicycle Parts Co., Ltd		Taicang Xiangyue Sports Equipment Co.,	
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Giant (China) Co., Ltd		Tarng Yu Enterprise Co., Ltd	
Giant Electric Vehicle(Kunshan)Co., Ltd		Taya Chain Co., Ltd	
Giant Group Headquurters Inside Back		Tektro Technology Corp	
Greenway Battery Co., Ltd		Tianjin Golden Wheel Bicycle (Group) C	
Hafny Co., Ltd			
HL Corp (Shenzhen)		United Engineering Corp. (KHS)	
Huang Wei Techology Enterprise Co., Ltd		Velo Ent. Co., Ltd	
J.D Components Co., Ltd		Wellgo Pedal's Corp.	
Jalco Industry Co., Ltd.		Whole Man Enterprise Co., Ltd	
Kenda Rubber Ind. Co., Ltd		Xrider Industrial Co., Ltd	
Kind Shock Hi-Tech Co., Ltd		Ye Chou Industry Co., Ltd	
KMC (Kuei Meng) International Inc		Yota Cycles Co., Ltd	
Kun Teng Industry Co., Ltd		YU Hub Industrial Co., Ltd	
Leadtec Co., Ltd		Yuebo (Bofeili) Electric Technology Co.,	
Liang Feng Machine Co., Ltd		Yung Fang Plastic Co., Ltd	
Linhao Technology (Huizhou) Co., Ltd15		Yuntong Power Co., Ltd	
Lunge Industry Co., Ltd 1		Zeit Bicycle Industrial Co., Ltd	
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Marwi Taiwan Industrial Co., Ltd		Zenith (Sanegle) Sports Co., Ltd	
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# The Effects of Covid-19 On European Market

EMA-European Bicycle Manufacturers Association: E-bikes sales are booming in the EU, with a very positive increase of e-bikes sustainable production, green jobs, and investments/innovations.

The European Bicycle Manufacturers Association welcomes free and fair trade, and healthy competition, from all countries in the world, while we legitimately oppose subsidized dumping and other International Trade distortions.

In the last 50 years, we have witnessed the astonishing, great performance of the Taiwanese bicycle industry, with whom we share the common efforts to always improve and innovate the high quality and safety of our bicycles, e-bikes and components for the European citizens, and worldwide.

The tragedy of COVID-19 in 2020 has further underlined the need for safe commuting in the European cities, which gave an unprecedented push to the construction of cycling infrastructures in all the European countries. Highly

beneficial cycling lanes were scarce in the past; but in the last 18 months the safe cycling networks grew as much as it would have in a span of 10 years. Something that wasn't expected prior to COVID-19.

Our colleagues at CONEBI have been recently collecting the Industry and Market data in the EU in 2020, which show very strong improvements:

- 1. 4.5 million e-bikes sold in the EU+UK in 2020, a great increase of 34% from 2019!
- 2. 3.6 million e-bikes produced locally in the EU+UK in 2020 by hundreds of our sustainable manufacturing SMEs (+25% from 2019), among which also very important Taiwanese investors are very welcome to help to improve our EU e-bikes industry. The whole EU bicycle, e-bikes and components investments-innovations grew up to 1.5 billion euros, and total turnover reached



Moreno Fioravanti

· President EBMA-European Bicycle Manufacturers Association

> an unprecedented 18.3 billion euros. We can now count totally on well over 1000 sustainable manufacturing SMEs and 155,000 green job (a very encouraging increase of 30% from 2019): thanks to the local sustainable EU bike industry production, we contribute greatly to the environmental goals of the EU COM Green Plan, sparing well over 2 million tons of CO2 and other dangerous emissions. Each green job that we can re-shore in our EU bike industry, we can spare from 30 to 50 tons

of CO2.

3. E-bike imports from subsidized-dumping exporters in China went drastically down since the adoption of the antidumping-anti subsidy measures by the EU COM, while the legitimate genuine producers in Taiwan increased the e-bikes exports to the EU to approximately 500.000 units in 2020.

This very positive trend will continue, assuming our e-bikes Industry (CONEBI) will be able to keep the current e-bikes Regulations (e-bikes up to 250W and 25 km/assistance are to be out of type approval scope and remain like now, with legal status like a bicycle). Also, the anti-dumpinganti subsidy measures (EBMA) continue to help the other Associations in Brussels -CIE, CONEBI, and ECF- for the advocacy to improve the cycling infrastructures and safety in the EU cities.

With the current conditions and regulations, at EBMA we can forecast:

- 2025: 11 million e-bikes sold in the EU – 9 million produced in the EU.
- 2030: 18 million e-bikes sold in the EU – 15 million produced in the EU.

To help this constant growth, EBMA welcomes all sustainable manufacturing investments in Europe by the Taiwanese and worldwide-bicycles, e-bikes and components industry: local manufacturing in the EU is the best way to accomplish the EU COM Green Plan for the future years:

- 1. Social and economic added-value: our goal is to further increase our over 1000 Sustainable Manufacturing SMEs and 155,000 green jobs in the EU: we target to exceed 200,000 EU green jobs by 2025.
- 2. Environmental added-value thanks to the very positive carbon footprint: each bicycle or ebike environmentally-friendly manufactured in the EU costs from 61 to 123 kgs of C02 and sulfuric dioxides less than if imported from PRC: roughly 50% emissions saving thanks to the much more efficient and environmentally-friendly energy production the EU than in PRC (still coal based for the next 30 years), and the other 50% is due to the very polluting transport by containerships, which still adopts the most polluting fuel (crude oil). This means that if all 22 million bicycles and ebikes sold in 2020 in the EU were imported from PRC, there were dangerous extra emissions of well over 2 million tons of C02 per year. This also means that for each job we can reshore to Europe in our bicycles, e-

- bikes and components industry, we can save from 30 to 50 tons of C02 and sulfuric dioxides per year.
- 3. EU consumers added-value: having more manufacturing SMEs in the EU with great product expertise and industrial know-how from the Taiwanese bicycle, e-bikes and components industry will further multiply the most beneficial driver of our growth: sustainable innovation for more innovative, greener, and safer products, for the full benefit of our cycling enthusiast and e-bike-loving EU Consumers.

EBMA considers the EU locally-made e-bikes as the best and greenest choice for EU citizens!

The European Bicycle Manufacturers Association is always available for any inquiries and questions from their Taiwanese bicycle industry colleagues about the EU Trade and Customs Regulations, the location of growing "Bike Valleys" in Europe where it is easier to invest, and any other help we can provide.

We take this opportunity to wish you all a very healthy and happy summer and enjoy safe cycling!

# The EU Sees Prevailing Escalation in Bike Industry

It is both an honor and joy to contribute, once again, to the Global E-bike Source from Wheel Giant. The Bicycle Industry is going through a truly extraordinary moment, and I am thrilled to present you with a summary of the decisive developments that the Confederation of the European Bicycle Industry (CONEBI) and the World Bicycle Industry Association (WBIA) have been focusing on over the past months.

2020 has been an exceptional year for CONEBI and the EU Bicycle Industry as several sales records were broken, both at the European and national levels. This is well reflected in the 2020 Market Intelligence figures that CONEBI released recently. In 2020, the total sales of bicycles and e-bikes amounted to 22 million units and an overall turnover of 18.3€ billion, a 40% increase compared to 2019 and



Erhard Büchel

· President of CONEBI

· Chairman of WBIA

an all-time high. E-bike sales, in particular, reached more than 4.5 million units with every fifth bicycle sold in Europe being an e-bike. Looking at the value, e-bikes represented almost 60% of the overall EU market. Also, European Parts and Accessories production reached a record high of 3€ billion in 2020.

Connected to this, 2020 resulted in more companies and employment: Currently, over 1,000 companies in Europe

provide around 155,000 sustainable manufacturing jobs. By adding the bicycle tourism industry, the segment related to cycling services like cycle logistics and bike-sharing, and the retail sector, the total amounts to more than 850,000 green jobs.

With these figures which are expected to continue growing during 2021, the Bicycle Industry's future is looking brighter than ever. The Covid-19 pandemic has acceler-

ated an impending change that could already be noticed before: A global mobility revolution that places climate and citizens' well-being at the forefront. The Bicycle Industry's growth has helped achieve increasing global political awareness concerning cycling's key role in this Mobility Revolution and the EU's move towards a Green Economy. Proof of this increasing political awareness is the major events and developments at the International and European level in which both CONEBI and WBIA have participated and contributed to over the past months. These include, for example the EU Smart and Sustainable Strategy and the Pan-European Master Plan for Cycling Promotion. Both constitute historic milestones for the industry.

The EU Smart and Sustainable Strategy aim to reach the European Green Deal target of reducing transport-related greenhouse gas emissions by 90% by 2050 and ensure that the EU transport sector is fit for a clean, digital and modern economy. We strongly believe that cycling and e-cycling can

make an important contribution to sustainable transport as it is the key to developing transport systems that are safe, accessible, inclusive, affordable, smart, resilient, and emission-free while also providing economic, environmental, and health benefits.

The pan-European Master Plan for Cycling Promotion was developed under the umbrella of the Transport, Health and Environment Pan-European Programme (THE PEP) a joint body of the UN and WHO. The Master Plan is a very valuable document to show the importance of cycling as well as practical guidance to national governments and local authorities. WBIA contributed directly to the elaboration of this Master Plan that was officially adopted by 54 ministers from around the globe in May.

While the future looks bright and full of opportunities, these opportunities have also brought new challenges. The increasing demand has led to a boom in sales. Coupled with the effects of a global pandemic this has resulted in substantial disruptions in the supply

chain. The industry is working to solve them by effectively increasing the growing production and capacity in Europe. I have invested heavily in scaling up production in Germany. Nonetheless, more investments in the global bicycle industry are required including those from companies within the Taiwanese Bicycle Industry.

In conclusion, the Bicycle Industry is going through a moment of change. We need to continue our efforts to ensure that the Bicycle Industry profits from the current opportunities to continue its development. We have a new frontier ahead of us: Secure a structural, global Cycling Revolution. To do so, the industry must ensure its sustained growth and modernization. Thus, significant joint efforts are needed as the ones realized by CONEBI and TBA under the umbrella of WBIA.

The Bicycle Industry is stronger together. I appreciate the excellent cooperation between the European and Taiwanese Industries, and I look forward to keeping up our great relationship.

## To transform Taiwan into a highend e-bike supply stronghold

-bikes have grown into the best-selling bicycle products worldwide in recent years. In order to boost the competitiveness of Taiwan's ebike products and transform Taiwan into an R&D and manufacturing center for high-end e-bikes, the Taiwan Bicycle Association (TBA) has recently been encouraging companies in the industry to invest in ebike and parts R&D, and has promoted the integration of motors, batteries, and electrical control systems.

#### **Export market growing**

Taiwan's e-bike exports from January to June of 2021 totaled 496,000 units, which represented year-on-year growth of 36.9%, and had a total value of US\$646 million (up by 40%). The average unit price of exported e-bikes was US\$1,303, which was 2.3% higher than during the previous year. Taiwan exported a



**Michael Tseng** 

- · President of Merida Industries
- · Chairman of Taiwan Bicycle Association (TBA)

total of 130,000 e-bikes to the United States (up by 45.6%), 270,000 e-bikes to the European Union (up by 24.8%), and

45,000 e-bikes to the UK (up by 153%).

Taiwan's bicycle exports from January to June of this

year totaled 978,000 units, which was an increase of 27.2% YoY. Total export value was US\$619 million, which represented growth of 31.8%. The average unit price of exported bicycles was US\$632, which was up by 3.58% compared with the previous year. Taiwan exported a total of 410,000 bicycles to the US (up by 40%), 267,000 bicycles to the EU (up by 8%), and 67,000 units to the UK (up by 15.4%), while bicycle exports to Japan (30,000 units) fell by 9.37%.

#### Half the volume

Notably, although Taiwan's e-bike exports during the first half of 2021 were only one-half of bicycle exports by volume, since the average unit price of these e-bikes (US\$1,303) was more than double the average unit price of bicycles (US\$632), the total value of exported e-bikes overtook the total value of exported bicycles! Secondly, Taiwan's total e-bike exports to the EU during the first half of the year surpassed the total

quantity of bicycles exported to the EU. Due to the Covid-19 pandemic, the supply of e-bikes cannot meet demand. It is also projected that Taiwan's overall e-bike and bicycle exports in 2021 will both outdo the corresponding figures for 2020.

To ensure the sustainable development of Taiwan's e-bike products, the TBA has cooperated closely with Bureau of Foreign Trade in Taiwan forming Monitoring Group for Bicycle Export to the European Union, and has held regular monitoring group conferences to strictly monitor the original place of production of products from all exporting firms, and prevent attempts to circumvent of the law through illicit transshipment and laundering of place of production.

### **Closely monitored**

To transform Taiwan into a high-end e-bike supply stronghold, parts manufacturers must take it upon themselves to upgrade into e-bike vendors, and dedicate themselves to developing key parts and components for e-bikes. We are confident that we are the ideal partner for the global e-bike industry, and hope that everyone will "Think e-bikes, Think Taiwan."

Wheel Giant's E-Bike Source (EBS)—the world's only e-bike purchasing directly—is a very effective guide to all e-bike vendors, brands, and importers. Especially during the COVID-19 pandemic, users can download the offline version of EBS or the EBS app at any time or place, which will help e-bike business opportunities and sales to continue to flourish.

## Accell CEO Envisions Positive Future

A ccell designs simple and smart solutions to create a fantastic cycling experience for everyone who uses our bikes. Accell Group makes bicycles, bicycle parts, and accessories. Well-known bicycle brands in our portfolio include Haibike, Winora, Ghost, Batavus, Koga, Lapierre, Raleigh, Sparta, Babboe, and Carqon. XLC is our brand for bicycle parts and accessories.

We are the European market leader in e-bikes and the second-largest in bicycle parts and accessories, with numerous leading European bicycle brands under one roof. These brands were built by pioneers for whom the best was not good enough. We still embody the entrepreneurial spirit of those family businesses to this day. We keep pushing ourselves to create high-quality, highperformance, cutting-edge products driven by the continu-



· Accell Group CEO

ous exchange of know-how and craftsmanship.

Our bikes and related products are sold to dealers and consumers in more than 80 countries. In 2020, we sold around 897 thousand bicycles and recorded a turnover of € 1.3 billion. www.accell-group.com.

## Purpose, Vision, and Mission

Accell believes cycling will take the world forward, where we have captured our purpose in a great movie. https://youtu.be/8ZUtDoXFkuo

Our vision is to be the

market leader in mid and high-end e-bikes and in bicycle parts and accessories in all our chosen regions, with consumer needs and corporate social responsibility at the heart of everything we do.

#### Mission

Nothing inspires and motivates us more than highly satisfied consumers and dealers. This is what drives us at every turn. We sum up our mission in the slogan 'Great bikes win great likes' Moving Forward Responsibly.

Accell Group is convinced that its bicycles can help the world move forward. Cycling promotes a healthy lifestyle and a fit body. This was even more visible in 2020 when many people around the world chose cycling as a responsible travel alternative (versus both car and public transport) and as a healthy means of transport for leisure and sports activities.

With its low environmental impact per kilometer, the bicycle is an outstanding green alternative to the car, scooter, or public transport.
Reducing this impact to the minimum requires a design and production process with the lowest possible ecological footprint.

Accell Group creates value in a sustainable manner. We improve the quality of our financial returns by limiting environmental impact, doing business in a socially responsible manner, and through good governance. And we take into account the interests of all our stakeholders. We are convinced that this



will have a positive impact on the company in both the short and long term, which we see as a prerequisite for growth.

## **Supporting Continuous Dialogue**

As one of the largest (e-) bike manufacturers in Europe, Accell Group is constantly engaged in an active dialogue with its stakeholders. We listen, we inform, and we meet with them. This is how we map out expectations about our approach and standpoints on various issues and stay abreast of relevant developments now and in the future.

In 2020, Accell Group was also active in several networks in which we frequently play a prominent role. For instance, Accell Group is a member of various national and international organizations, industry associations, and part of initiatives aimed at promoting bicycle use, cycling, road safety, standardization in the sector, and sustainable mobility. Organizations in which Accell Group is represented include the World Federation of the Sporting Goods Industry (WFSGI), Cycling Industries Europe (CIE), and the Confederation of the European Bicycle Industries (CONEBI). In addition to this, we work closely with the Dutch Road Safety Council and the German road safety organization Verkehrswacht.

#### **Electrification of Bikes**

Investments in the electrification of the bicycle sector will be the biggest growth driver for bicycle use in the long term. Electrically powerassisted bicycles make cycling less physically demanding and more attractive for a larger group of consumers and for other forms of (professional) transport, such as parcel services. Cargo bikes in particular see a significant growth rate, with 40%+ for Accell over 2020. Travel times are decreased because of higher average speeds, easier acceleration after a stop, and temporary power boosts when riding uphill, against the wind, or carrying a heavy load.

The environmental impact of an eBike is higher than that of a normal bike due to the use of a battery, but its impact is still much lower than other forms of transport. The electrification of bicycles also creates the opportunity to secure them more effectively against theft and to increase traffic safety. Accell Group is the inventor of the electric bicycle and electric mountain bike and believes that improving infrastructure will drive greater use of (electric) bicycles. These benefits drive an overall substitution of regular bikes by e-Bikes, with a growth rate within Accell of 15% for eBikes in 2020.

Where Bosch still dominated the e-system supplier market, there are a lot of new developments, with a lot of promise. New startups are entering the market, and several companies with a legacy in automotive, have now strategically moved to s-systems for eBikes. Ebikes are the thirdlargest use of battery cells, following automotive and power tools. Hence eBikes manufacturers are dependent on the availability of these "raw materials". Accell invests in strategic relationships with battery suppliers, which will also ben-



efit as soon as possible from enhanced battery cell technology. As an example, moving from 18650 to 21700 cells will significantly increase the range offered by eBikes.

With governments, cities, companies, and consumers embracing the positive benefits of cycling for personal health, business, and the environment, the future of Accell Group looks bright.

#### **Accell's Outlook**

COVID-19 and the EU Commission's Green Deal have put cycling even more firmly on the political agenda as a solution to numerous societal and urban problems, such as obesity, pollution, and congestion. Electrification, bicycle infrastructure investments, government fiscal incentives, and subsidies are considered strong and sustainable growth drivers for the years to come.

The outlook for our bicycle and parts & accessories business is very positive. We, therefore, remain confident that we are well on track to deliver our 2022 targets. In the

short term, it still remains uncertain what the effects of the pandemic (for example new virus variants) will have on our facilities, shop openings, and consumer behavior. While customer orders continued to be strong in 2021, the increase in lead times and delayed deliveries from component suppliers, combined with logistical disruptions (which impact the entire bike industry), will drive a shift in the primary sales season (volume) to the second half of 2021, as it did in 2020.

## LEVA-EU books two major victories in improving EU-legislation

In the past year, LEVA-EU has succeeded in growing both its membership and its activities considerably. As the only trade association to work exclusively for light, electric vehicles (LEVs), LEVA-EU has also achieved two major victories in improving EU legislation for LEVs.

Today, LEVA-EU has around 60 members in the EU, China, Korea, Norway, UK, Switzerland, and Turkey. The membership covers all types of LEVs from e-scooters, e-bikes, and speed pedelecs over mopeds and motorcycles up to 3- and 4-wheeled vehicles. LEVA-EU also has members who produce components such as batteries and motors.

Through intensive lobbying, LEVA-EU is now known among the relevant decision-makers in the EU Commission and Parliament. This has resulted in growing awareness of LEVs in the EU institutions, which allows decision-makers to take LEVs into account when drafting new legislation. What's more, LEVA-

EU has convinced the European Commission to review two important dossiers in the interest of LEVs. It concerns the general technical legislation for LEVs and the proposal for a new Battery Regulation.

Currently, Regulation 168/2013, created for conventional mopeds and motorcycles, and the Machinery Directive, ensuring a common safety level for machinery placed on the European market, govern LEVs. At the end of last year, the Commission initiated a review of the Machinery Directive. LEVA-EU used the opportunity to advocate the exclusion of all LEVs from the Machinery Directive. Consequently, the European Commission has acknowledged that



LEVs should be removed from the Directive, on the grounds that it is not suitable for vehicles. The proposal to exclude all vehicles from the Machinery Directive is now with the EU Parliament and Council, where LEVA-EU continues its lobby work.

LEVA-EU has also been

campaigning for the exclusion of all LEVs up to 50 km/h from Regulation 168/2013. The Commission has acknowledged that there is a need for a review of this regulation in relation to LEVs and has appointed TRL to carry out research. From that research, TRL has concluded that the best way forward is dedicated LEV-legislation. That is fully in line with LEVA-EU's position. The only divergence is the fact that TRL advocates specific legislation for vehicles up to 25/30 km/h, while LEVA-EU wants future legislation to apply to all vehicles up to 50 km/h.

Such dedicated legislation offers many advantages that are essential for the development of the LEV market. Just like Regulation 168/2013 does for conventional mopeds and motorcycles, a horizontal Regulation with essential requirements for all LEVs can provide for an automatic right for vehicles to be placed on the market. This would prevent the Member States from denying vehicles that comply with the Regulation access to public roads.

The second important advantage is that such a horizontal



Annick Roetynck(left) and E. Sanchez Galindo(right).

Regulation will force the Member States to think carefully about the categorization of vehicles. It will no longer be possible to bury them in unadopted categories, as is the case now, for example with Lle-A vehicles and speed pedelecs in the moped category.

LEVA-EU's second major victory relates to the European Commission's proposal for a new battery Regulation. In that text, the Commission suggested including batteries for so-called LEVs in the portable battery category. The proposal defined LEV batteries as sealed, up to 5 kg, and for use in vehicles with a

seat and a motor of no more than 750 Watts. All other batteries, such as those in electric scooters, mobility scooters, e-mopeds, e-motorcycles, and other electric vehicles in the L-category would be categorized as electric vehicle batteries.

LEVA-EU immediately pointed out to the Commission that this definition would create huge problems for light, electric vehicles (LEVs) and could be a death sentence for many LEV companies. The main issue is the fact that the electric vehicle battery category, meant for electric car batteries, is subject to information and sustainability re-

quirements, which are simply not feasible for LEV manufacturers. Another issue was the requirement for a seat, pushing all escooters into the electric vehicle battery category. Also, the limit of 750 Watts was meaningless because the meaning of Watts remained unspecified.

The Commission was also confronted with questions from the Member States on the effect of the proposal on LEVs. The Commission acknowledged the issues and asked the Joint Research Centre (JRC) for research into how to set a collection target for LEV batteries. JRC is the Commission's science and knowledge service, which employs scientists to carry out research, in order to provide independent scientific advice and support to EU policy.

In its research and through consultation with stakeholders, among which LEVA-EU, JRC easily established that the definition of LMT batteries as proposed by the Commission was flawed. However, there were deeper issues with the Commission's proposal to classify LEV batteries as portable batteries. The proposal holds collection tar-



gets for portable batteries based on the so-called Put-on Market (PoM) parameter. The JRC study showed that PoM targets were not feasible for LEV batteries. To overcome this problem, JRC proposed what it calls a "futureproof solution". That includes the creation of a separate LMT battery category, next to the industrial, automotive, electric vehicle, and portable battery categories. Secondly, the basis for the collection target for this new category should be changed from Put on Market (PoM) to Available for Collection (AfC). LEVA-EU will resume lobbying after the summer break to persuade

the EU Parliament and the Members States to align their position with JRC's recommendations for LEV batteries.

These two important LEVA-EU victories are a great testament to the power of LEVA-EU membership. By supporting the trade association, LEV companies assure themselves individually of highly expert assistance on rules and regulations for LEVs in Europe. But their membership also enables LEVA-EU to work for the benefit of the entire LEV sector. Are you interested in LEVA-EU membership? Please send a mail to annick@leva-eu.com.

## The Future of E-bikes In America

merica tends to make changes slowly until a tipping point is reached. And then change can be startlingly fast. That tipping point has occurred with electric bikes in the last two years. We are on our way to becoming the most profitable and largest western market for electric bikes.

For nearly 23 years, the USA electric bike market was tiny compared to the Asian and even the European electric bike market. For each of those years, I would assure my clients, readers, and peers that the USA will, eventually, be one of the largest markets for e-bikes and pedelecs.

Growth was slow, partly because the bicycle industry of the USA is focused on sport, fitness, and recreation. For years the electric bike has been regarded as primarily a transportation tool. Two-wheelers as transportation have been a very



**Edward Benjamin** 

- · Chairman, Light Electric Vehicle Association
- · Senior Managing Director, eCycleElectric Consultants

small business.

But now, the limit on the USA market is the performance of the supply chain. USA brands will take almost any electric bike they can get, and sell it almost as soon as it is received. However, unfortunate lead times, as many as two years, are the problem.

### What changed?

- The products have become much more reliable and stable.
   Today's electric bikes, even the inexpensive ones, work quite well. The best ones are a delight.
- The legal status of electric bikes has become much more clear. Allowing consumers, government, brands, and sup-

pliers to understand better what to make and how to use it.

- eMTBs fit nicely into the American ideas of bicycles as sport, fitness, and recreation.
   And they extend the off-road access to many, especially older, riders.
- Some brands have focused on market segments that are uniquely suitable for electric bikes. Examples are Pedego's focus on aging baby boomers and eCells focus on two-wheel drive-off-road bikes.
- Bicycle retailers have learned that e-bikes make money for them, and can be sold easily, with minimal service problems.
- Almost every traditional bicycle brand now offers electric bikes, making them accessible to dealers via their credit line.
- The non-traditional electric bike companies that sell direct to consumers have become both experts at this, and very successful. The largest unit brands are D2C.
- Simpler, more reliable service issues combined with training from the makers of bikes, the makers of propulsion systems,

- and the Light Electric Vehicle Association have made service support more available.
- Propulsion system suppliers have developed products specific to the higher power allowed in the USA.
- Electric bikes do provide an exercise benefit, allowing the rider to stay in motion longer and to ride in more interesting places.
- Personal transportation in the USA has been cars for a long time. But now we have cities with no room for parking, people who prefer to not own a car due to cost, or personal commitment to environmental issues.
- In dense cities, where transport has been the metro, the bus, or train, COVID has pushed consumers to look for personal transportation that avoids crowds.
- COVID has also pushed the people of the USA to rethink many things. To look for alternatives and consider new ideas.

The most important change however is this: There is wide understanding by American consumers of the reasons that electric bikes can be fun, and improve their lives. And this understanding is across a much broader group than the traditional buyers of quality bicycles. Motors are well regarded by USA culture.

There are some barriers yet to overcome. And with each barrier that falls, sales will increase.

- The majority of the 50 states have adopted laws that help the consumer, the dealer, and the industry understand exactly the role and use of electric bikes. This is due to the work of People for Bikes. Their work has been very important to the expansion of the market, and they should be supported by the entire industry. But not all states have adopted the model legislation and finishing this work is important to future business.
- Most USA bicycle industry people, at every level, (but especially in the bicycle shop) have a cultural resistance to bicycles with motors. Most such staff are former cycling athletes with a history of MTB, BMX, Road, Triathlon, or Track racing. They

are comfortable with physical exertion. This is a barrier because they do not instantly understand and sometimes do not accept the idea of an electric bike. And they do not understand the biggest demographic of e-bike customers - the aging, not a cyclist, boomer. They do not understand consumers that wish to minimize physical exertion. As this improves, sales will improve.

• The supply chain has not been responsive enough. The explosion in demand for ebikes, worldwide, has been a challenge for the supply chain. This is at a time when the supply chain for nearly every bicycle component, batteries, and even transport for sea containers has faced difficulty due to COVID, staffing problems, and materials supply. The supply chain has not risen to the task. It made sense to invest cautiously in the early months. But now we can see a solid and enduring shortage of goods created by some poor planning decisions. Solving this problem is the single biggest doorway to



more business at this time.

 Marketing has been limited and unimaginative for the industry as a whole. There are a few that stand out, but most companies fail to create excitement about their product. This is a dangerous situation, for consumers will buy based on price if they do not have inspiration.

Any time an industry experiences explosive growth, many new companies arise. For more than 20 years, I have monitored the number of brands in the USA and estimated their sales volume. For years, USA brands/importers would enter, or leave the industry, with about 120-130 remaining each year. In the

last two years, this has increased to more than 400.

Most of these will not endure. Like most businesses, the strongest will survive. Many will fail or merge. My prediction is that within 10 years, we will have only 30 -40 brands or fewer. Of those, 10 will dominate the sales. Which companies will be the survivors is not clear at this time.

In 2021, if the orders of the brands can be filled in time, the USA market will be close to 1 million. In a short few years, the market in the USA will reach more than 3 million. We are now experiencing the bright future that I have predicted for so long.



## E-bikes: Taiwan's Export Cash Cow

Text: Editorial Dept.

ue to the Covid pandemic, 2020 was a year of chaos and disruption. First face masks and alcohol disinfectant were much sought after, and later the supply of bicycles and ebikes could not meet demand. Due to a global stock shortage and frantic buying, Taiwan's bicycle suppliers have enjoyed unprecedented prosperity, and are working day and night to fill orders. At the same time, the lead time for parts orders has reached a historic high. Companies are now poking fun at their rivals by saying that any firms without order delivery times of over 300 days will be laughed at.

A year of misfortune has thus had a silver lining for the cycle industry. While rushing to fill a flood of orders, however, the industry has also had to confront the global shortage of cargo containers, which has prevented companies from exporting their bikes, and forced them to lease warehouses to store them. Nowadays, soaring shipping and materials costs, the depreciation of the dollar, and unprecedented parts delivery lead times have left many

bicycle suppliers feeling at the mercy of fate.

#### **Soaring export figures**

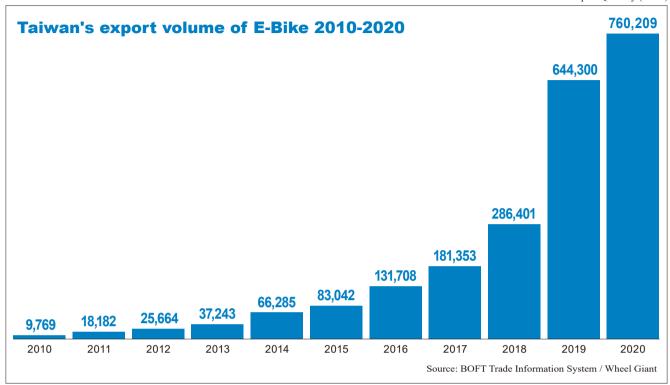
In contrast to the aviation, travel, and hospitality sectors, as well as many other industries, the bicycle industry has unexpectedly benefited from the pandemic. Not only have sales of traditional bicycles—depressed for many years—come back from the dead, but ebikes have emerged as eagerly-sought-after products in the European and American markets.

Following increasing product diversification and growing demand over the course of many years, e-bikes are lending new life to the cycle industry, and providing a new "blue ocean" of opportunity. Propelled by the trend toward the electrification of bicycles, Taiwan's e-bike exports have grown steadily in recent years. According to customs statistics, after exporting fewer than 10,000 e-bikes (9,769 units) in 2010, Taiwan's e-bike exports had risen to 83,000 units in 2015, over 130,000 units in 2016, 180,000 units in 2017, 286,000 units in 2018, and 644,000 units in 2019, before setting a new record with 760,000 units in 2020.

The EU is the largest market for Taiwan's export e-bikes, and purchased 502,421 units in 2020, which represented growth of 14% compared with 2019. Within the EU, the Netherlands was the biggest recipient of Taiwan's e-bikes (310,000 units), followed by Germany with 50,000 units, and Britain with 35,000 units. The US was the second-largest market for Taiwan's e-bikes in 2020, and purchased 167,852 units during the year; this represented growth of 27.3%, which shows that demand is continuing to rise. Taiwan's e-bike exports had a total value of US\$987 million in 2020, which was up by 14.4% compared with 2019, while the average unit price of these exports fell slightly from US\$1,339 to US\$1298.

Taiwan's e-bike exports from January to June of 2021 totaled 496,000 units, which represented year-on-year growth of 36.9% and had a total value of US\$646 million (up by

Export Quentity (Units)



40%). The average unit price of exported e-bikes was US\$1,303, which was 2.3% higher than during the previous year. Taiwan exported a total of 130,000 e-bikes to the United States (up by 45.6%), 270,000 e-bikes to the European Union (up by 24.8%), and 45,000 e-bikes to the UK (up by 153. %).

Taiwan's bicycle exports from January to June of this year totaled 978,000 units, which was an increase of 27.2% YoY. The total export value was US\$619 million, which represented a growth of 31.8%. The average unit price of exported bicycles was US\$632, which was up by 3.58% compared with the previous year. Taiwan exported a total of 410,000 bi-

cycles to the US (up by 40%), 267,000 bicycles to the EU (up by 8%), and 67,000 units to the UK (up by 15.4%), while bicycle exports to Japan (30,000 units) fell by 9.37%.

Notably, although Taiwan's e-bike exports during the first half of 2021 were only onehalf of bicycle exports by volume since the average unit price of these e-bikes (US\$1,303) was more than double the average unit price of bicycles (US\$632), the total value of exported ebikes overtook the total value of exported standard bicycles! Secondly, Taiwan's total e-bike exports to the EU during the first half of the year surpassed the total quantity of bicycles exported to the EU. Due to the Covid-19 pandemic, the supply of e-bikes cannot meet demand. It is also projected that Taiwan's overall e-bike and bicycle exports in 2021 will both outdo the corresponding figures for 2020.

#### **European market strength**

Annual sales of e-bikes in Europe have grown steadily, reaching 3 million units in 2019, and the impetus of the pandemic is expected to have boosted sales to at least this level in 2020. Because of this, e-bikes are expected to continue to shine in the European market during the next few years. CONEBI estimates that European e-bike sales will exceed

## Special Reports

6.5 million units by 2025.

The EU depends on imports for one-third of its e-bikes, and Taiwan is the largest source of its imports, giving it a pivotal position. Thanks to several decades of R&D, technology, experience and supply chain integration, Taiwan's e-bikes possess a significant competitive advantage, which has enabled them to win the support and

trust of international buyers.

Unfortunately, Taiwan began developing key parts and components, including motors, batteries, and electrical control systems, at a late date. As a result, the industry is mostly limited to assembly work, and core value is still largely generated by system vendors in Europe, the US, and Japan, including such firms as Bosch, Brose,

Shimano, Yamaha, Fazua, and Bafang. However, as a growing number of companies in the electronics, auto, and bicycle industries get involved in the development of key parts and components, we believe that Taiwan's e-bike development and global market share will take big jumps in the future.

**Table 1 Taiwan E-bike Exports** 

Year/Period	Value Unit: US\$ 100 million	Percentage of total goods (%)	Growth rate (%)
2018	3.8	0.1	67.1
2019	8.6	0.3	128.4
2020	9.9	0.3	14.4
Jan-May 2021	5.5	0.3	44.2

Source: Customs Administration, Ministry of Finance.

Table 3 Market share of Taiwan E-bikes in the Netherlands and USA

Year/Country	Netherlands(%)	USA(%)
2018	19.2	12.4
2019	27.3	23.9
2020	31.2	21.6
Jan – Feb 2021	34.7	_
Jan – April 2021	_	32.2
Taiwan's e-bike import ranking in the local market	No. 1	No. 2 (second to China)

Source: Customs statistics in each country



## **Table 2 Taiwan Top 5 E-bike Export Destinations**

## 2018

Rank	Country	Value Unit: US\$ 100 million	Percentage (%)	Growth rate (%)
Total		3.8	100	67.1
1	Netherlands	1	27.1	60.9
2	USA	0.8	19.9	123.7
3	Germany	0.5	12.7	6.5
4	Italy	0.2	5.5	22.6
5	Slovenia	0.2	5.1	16,707.10

## 2019

Rank	Country	Value Unit: US\$ 100 million	Percentage (%)	Growth rate (%)
Total		8.6	100	128.4
1	Netherlands	3.2	36.9	211.4
2	USA	1.7	20.3	132.6
3	Germany	0.6	6.7	19.3
4	United Kingdom	0.5	6	250.2
5	Spain	0.4	4.4	104.4

### 2020

Rank	Country	Value Unit: US\$ 100 million	Percentage (%)	Growth rate (%)
Total		9.9	100	14.4
1	Netherlands	4.3	43.6	34.8
2	USA	2.2	21.9	23.6
3	United Kingdom	0.5	4.6	-12.1
4	Germany	0.4	4.1	-29.9
5	Spain	0.3	3.2	-15.9

## Jan - May 2021

Rank	Country	Value Unit: US\$ 100 million	Percentage (%)	Growth rate (%)	
Total		5.5	100	44.2	
1	Netherlands	2.3	41.3	55.7	
2	USA	1.4	24.6	59.1	
3	United Kingdom	0.4	8.1	157.9	
4	Germany	0.3	5.2	44	
5	Spain	0.2	2.7	26.2	
	Source: Customs Administration, Ministry of Finance				



# How is Vietnam's Cycle Industry Faring Under the Pandemic?

Text & Photos: Editorial Dept.

rmed with the advantages of EVFTA and CPTPP, and with a population of 96 million, Vietnam has become a focus of attention from the global cycle industry. Foreign capital is pouring into the country, which is receiving a growing share of bicycle orders from Europe and America. As a result, more and more bicycle firms in Taiwan and China have been purchasing land and leasing plants in Vietnam. But in spite of Vietnam's thriving bicycle production, as the pandemic rages unabated, the country and the industry have continued to work hard to

suppress spread of the virus.

A surge of local Covid-19 cases occurred in Vietnam during late April, and 55 of the country's 63 provinces and municipalities reported cases during the next two months. As a result, cumulative confirmed cases have already surpassed 17,000, of which the greatest number have been in Ho Chi Minh City (over 8,000 cases).

#### **Increasing production costs**

Now that Ho Chi Minh City has become a pandemic hotspot (with more than 8,000

confirmed cases as of July 7), the surrounding provinces and cities have imposed many restrictions intended to prevent the virus from gaining a foothold, and these measures have impacted companies' production operations. Taking Dong Nai Province as an example, people arriving from Ho Chi Minh City have had to show proof of being negative for the virus since July 5, and this proof must be valid for at least one week. This requirement has had a huge impact on the numerous employees who commute to factories in Dong Nai from





▲ When entering the DDK Group Vietnam plant, all personnel must walk along a special disinfection path. There are separated disinfection paths for motorcycles and employees.

Ho Chi Minh City each day, and many companies have been forced to pay the cost of having their employees live in Dong Nai. Secondly, the local government has required factories to arrange for screening of 20% of their employees each time. With the screening, waiting, and transportation to the screening site typically taking a half day. Screening also costs anywhere from 350,000 to 500,000 dong (VND) per person, which is yet another burden that companies must bear.

When the Covid-19 pandemic had just begun last year, orders for Vietnam's shoes, apparel, wooden furniture, textiles, and bicycles, etc., which were chiefly from Europe and America, fell dramatically in the short term, and Taiwanese firms in Vietnam temporarily faced a desperate situation. Nevertheless, the strict entry/ exit controls and painstaking isolation and other restrictions imposed by the government enabled Vietnam to join Taiwan as one of the most successful countries in tackling the pandemic.

During the second half of 2020, after the European and American countries gradually gained the upper hand over the virus, a coup occurred in Myanmar, and Covid flared up in Cambodia and Indonesia, many of the suspended orders began flooding back into Vietnam. As a result, Vietnam's

GDP managed to grow by 2.91% during the year, which made it one of the very few countries to enjoy growth in 2020.

In the face of Taiwan's Level 3 epidemic alert, many companies in Taiwan have adopted a work from home approach. Vietnam is dominated by labor-intensive traditional manufacturing, however, and many employees have come from other parts of the country and live in rented housing. When a plant suspends operations, a grim chain effect

occurs, with employees no longer being able to afford to remain in their homes and supply chains fracturing. But thanks to the proactive measures taken by the Vietnamese government, only a few electronics supply chains in Bac Giang and Bac Ninh provinces have had to suspend work, and no large-scale work stoppages have been reported.

### 15 days of social distancing

To curb the spread of the virus, Ho Chi Minh City an-



▲ DDK Group CEO Richard Tsai has a vast comprehension of Vietnam.



 $\blacktriangle$  The health agency visits DDK's factory to do quick screening for all personnel every week.

nounced on July 9 that it would enforce social distancing for a 15-day period. This is the second time that Ho Chi Minh City has implemented social distancing measures since the start of last year. During this period, people may leave their homes only when necessary, such as when they must go to work or go out to buy food or medicine, etc., and must maintain a distance of 2 meters from other people. People may not gather in groups of more than two, and almost all of public transportation will cease operation.



▲ Kenstone's Vietnam plant has begun mass production. (Photo: Y.J.Y.)

## Vietnam continues to attract assemblers from Taiwan and China

The cycle industry has been active in Vietnam since the start of this year. Some companies that have not yet established plants in Vietnam have come to buy land and lease plants, and even an Austrian assembly plant has purchased land. Chinese firms have not been absent, with Fujida buying land in Binh Duong Province and preparing to build a plant. Numerous other Chinese companies have also been looking into the feasibility of establishing plants in Vietnam or other locations in Southeast Asia.

From what we know, Kenstone's Vietnam plant has begun mass production and is shipping products. Kenstone's plant chiefly produces frames, and currently employs over 100 persons, with the number of employees expected to rise to 300 by year's end. Fritz Jou plans to lease a plant from Paiho Shih Holdings Corp, which is a listed Taiwanese company. Paiho Shih has chiefly produced velcro, laces (shoe laces), elastic bands, and Jacquard mesh fabric, etc. It has purchased 18ha of land in Binh Duong, and plans to build a new plant on this site during the second half of the year. After the plant has been completed, Paiho Shih will use one-half of the plant, and the other half will be leased to Fritz Jou for the production of e-bikes. Fritz Jou plans to begin production in 2023.

## Diligence in keeping the virus at bay

According to a survey conducted by Wheel Giant, over 30 Taiwanese bicycle firms are currently operating in Vietnam, with numbers of employees ranging from 100 to 3,500 persons. Most of these companies stated that while their sales grew last year, they have faced







▲ Velo's Vietnam plant is under construction. (Photo: Y.J.Y.)



▲ SR Suntour Vietnam.

with the government's epidemic prevention actions, companies have been implementing temperature measurements, wearing of face masks, and surface disinfection. Everyone is aware that one sick person may force an entire plant to stop work, and we have heard of assembly plants being shut down for 14 days. Numerous manufacturers have stated that most Taiwanese staff in Vietnam have obtained vaccination with the AstraZeneca vaccine at their own expense, and most local employees have obtained vaccination at pub-

shortages of cargo containers, rising raw material prices

and shortages, and long delivery times for key parts and

components. In the face of the pandemic, these

companies have been diligently taking protective and preven-

tive measures. In coordination

Taking DDK Vietnam's plant, which has 1,200 employees and produces 20 million saddles annually, as an example, all personnel must

lic expense.

wear a face mask and walk along a special disinfection path when entering the plant, and there are separate disinfection paths for motorcycles and employees. The interior of the plant is also disinfected regularly. DDK Vietnam's proactive steps have included the stockpiling of materials and even the establishment of a plant to make cardboard boxes. According to CEO Richard Tsai, the threat of Covid has ensured that everyone is in a high state of readiness. As soon as it is found that someone has been in contact with a confirmed case, they are immediately taken to an quarentine facility for isolation, and local districts may also close off the area and restrict people's

entry and exit. Taiwanese firms have been impacted when the areas where their processing plants are located have been locked down. One hundred employees of DDK's Vietnam plant currently cannot go to work because the places where they work have been locked down. In order to reduce risk caused by employee movements, such as the risk that they will be unable to return to work after going home, some plants have set up tents on-site where personnel can sleep at night. Although almost all the workers in the industrial areas in Ho Chi Minh City have already been vaccinated, vaccinations have just begun in Binh Duong Province.





## **CONEBI Releases Promising Figures**

Text & Photos: Editorial Dept.

Few things defied the CO-VID-19 pandemic, and as you may have heard, electric and traditional bikes were one of those. Making the Confederation of the European Bicycle, E-Bike, Parts & Accessories Industries release of the industry and market report that much more enticing.

The bike industry noted 2020 as their best year since they first began tracking analysis data. Noting that sales rose a mountainous 40%, with 22 million traditional and electric bike units sold, achieving a sales value of EUR 18.3 billion. Manuel Marsilio, general manager of CONEBI says that Europeans are opting for electric bikes as their primary mode of transportation. In 2020, ebike sales increased by 52%. Additionally, e-bike sales leapt to 10.6 billion in value.

Not only did bike sales increase, but parts and accessories also reached EUR 3 billion in production value. However, Erhard Büchel, CONEBI President, adds that "the current situation in the global supply chain is an important signal: we need to invest more in local production; we need to invest more in



▲Erhard Büchel, CONEBI President.



▲ Manuel Marsilio, General manager of CONEBI.

Europe. Based on current projections, we expect the value of the parts and accessories produced in Europe to double to EUR 6 billion by 2025," Büchel's goals of doubling production in Europe may not seem that farfetched. Of the 80% of products sold across the EU and UK, 3.6 million are manufactured in the region. Jobs boosted by a 30% increase in employment across the EU/UK as well. Büchel believes reshoring production will leave more citizens in Europe and the UK with increased job opportunities.

CONEBI noted that for every 1,000 bikes re-established in the region, an equivalent of three to five skilled jobs

are created. Additionally, for every 1,000 e-bikes produced, there is a surplus of six to nine jobs. And, with the European and United Kingdom's commitment to creating a greener living and keeping production within their locality, this will create exciting numbers within the coming years. Causing a net positive result for the Green Economy and reductions of 2-million tons of CO2 emissions annually. In conclusion, it wouldn't be unlikely to expect production numbers to continually soar throughout ₩ this upcoming year.

## **Brazil's Bike Industry Sees Growth Amid Pandemic**

Text & Photo: Editorial Dept.

Looking back to the past year, it's been filled with new and unfamiliar events. While many learned to adjust to new normalcy, bicycle sales increased significantly. Even in places some would least expect. Wheel Giant interviewed Isapa director, Isacco Douek. Hoping to understand the current bicycle industry and market in Brazil.

## **Bike Sales Increasing Growth Among Brazilians**

Douek states Brazil's bicycle production took a hit from the Coronavirus. Douek believes this number could be bigger if it was not for a stall in many production items and price increases from the demand for bike parts. However, Brazil produced around 5.5 million bikes for both adults and children and saw a growth of over 15% in sales. With an increasing interest in electric bicycles. Though Douek says e-bikes represent only "a small part of the bicycle

market," yet it continues to increase over time.

## Production in a Pandemic

Concerning Covid-19, Brazil has had over 18 million cases and over half a million deaths. However, vaccination numbers among adults are up. Douek assesses that by September, the entire adult population will have at least the first dose. Douek says Isapa

is not the only company affected by the epidemic, stating most of Brazil's businesses are suffering, at least partially, as well.

### **Expected Market Growth**

Although Douek indicates the production, supply, and sales were not affected by the pandemic, the hard-



▲ Isacco Douek, President of Isapa.

est hit was the lack of items, as mentioned above. Douek is optimistic about the future of both the traditional and electric bicycle markets. Douek believes more countries are beginning to embrace bike culture, especially as it is launched internationally.

## Büchel Remarks 2020 As A Great Year For Bike Industry

Text & Photo: Editorial Dept.

ecalling the outbreak of RCOVID-19, the epidemic can be grasped as an intense ride with significant ups and downs. Many have had to learn to adjust their idea of normalcy as many businesses lost money. However, the demand for bicycles grew significantly, generating outstanding results amid a collapsing market. Wheel Giant reached out to Erhard Büchel, the chairman of the Confederation of the European Bicycle Industry to gauge his opinion on the current status of markets and the bicycle industry in Europe.

## Europe Sees Record Numbers In Bike Sales

Though the latest numbers on the European Union's sales and production will not be published until the beginning of July, Büchel says the statistics released on individual markets show that 2020 was a great year for the bike industry. Germany, France, and Spain sold a whopping €9.2 billion in bikes in 2020.



Erhard Büchel / · President of CONEBI, Chairman of WBIA.

Out of the 5 million sold in Germany, e-bikes accounted for almost half of sales. France saw a 33% increase in sales, with 2.7 million units of bicycles sold and e-bikes accounting for 515,000. Spain sold 1.56 million, their highest recorded number yet. Furthermore, the Netherlands reported e-bikes accounting for half of their 1.1 million bicycles sold.

#### **Climate Reforms And Bikes**

Büchel remarks "there is a strong momentum for cycling in Europe and globally as the bicycle has gained visibility at the political level." Noting that the Pan-European Masterplan for Cycling Promotion was amended by 54 countries in April. Büchel believes this will increase cycling, improve and prolong cycling infrastructure, in-

crease safety, and encourage implementation in national cycling policies. Büchel notes the EU is discussing the Sustainable and Smart Mobility Strategy. CONEBI will continue to guarantee that both traditional and e-bikes play a prominent role in ensuring sustainable transportation that is "safe, accessible, inclusive, affordable, smart, resilient and emission-free."

Büchel comments on the EU Recovery and Resilience Facility package worth €672.5 billion. The goal is to help countries lessen the impact of the pandemic. Though member states may choose how to spend the relief money, 37% will be spent on climate investment and reforms. Büchel believes proper cycling investments and corresponding projects would fully contribute to the National Recovery and Resilience Plan. With Belgium and Italy already taking the lead on investing in cycling infrastructure.

## **Demand For Products In Country Of Origin**

Lastly, Büchel states that though there is an unprecedented sale of bikes, there has been a downfall.

Due to COVID-19 resulting in a mandatory halt with production, Büchel believes Europe needs to invest in more local manufacturing of parts and accessories. Although Europe did produce a value of €3 billion in 2020, the generation of products was still lower than usual due to bicycle factories in Asian countries shutting down from the pandemic. However, despite recent downfalls, Büchel states the European Bike Industry is "going through an extraordinary moment." With increased opportunities to continue expanding and innovating.









## Lange Predicts Parallel Numbers For 2021 Bike Sales

Text & Photo: Editorial Dept.

Paul Lange discusses the 2020 bike boom in Europe and chronicles production before Covid-19. Lange also sheds light on the growing

bicycle industry, stating possible reasons explaining the sudden boom. Lange predicts the future of sales will boast similar numbers as recently

seen. Lange also talks about Europe's changing view on creating a greener climate while adjusting to a new postpandemic normal.

Wheel Giant reached out to Bernhard Lange, chairman of Paul Lange. Relying upon him to bestow his valuable opinion and state of the bicycle industry and market in Germany. Also helping us understand the demand for bike growth amid the pandemic, especially in Europe. Which are producing outstanding results amid an otherwise crumbling market.



▲ CEO Bernhard happily poses for a photo with his robot gift.

#### **Bike Sales Skyrocketed in 2020**

According to Germany's Two Wheel Industry Association ZIV, Lange states that bicycle sales rose by 17% in 2020. Meanwhile, production output in Germany amounted to 2.15 million bicycles, an 11% growth compared to the year prior in 2019. Additionally, e-bikes sales rose to 43%, more than double the rate of

stationary bicycles. Although there was already an e-bike growth prior to Covid-19, services and maintaining bicycles will become an important and growing part of the industry. Lange says similar growth in numbers is expected for 2021.

## Paul Lange Foresaw Growth Prior To Pandemic

Lange states that before the pandemic, Paul Lange began extending their program output by increasing distribution capabilities. However, as many know, the bike industry has grown extensively in the past 14 months. Luckily, Lange says his team anticipated this growth and was ready when sales suddenly boomed. Lange's group invested in new IT systems, warehouses, and other logistical means, preparing for increased distribution this coming year.

## The Pandemic's Role In Rising Bike Sales

Lange also notes the reason for bicycles' growing popularity. The first being a desire for social distance. A luxury not afforded on public transportation. Secondly, cycling became an activity that could be enjoyed with few restrictions nor risks. Lastly, many people took to bikes for running their errands, com-



muting to and from work, and safely enjoying leisure activities. Lange notes these reasons for the boom in sales, and also credits the discussion of climate change.

## **Undertaking A Cleaner And Safe Future**

Lange believes the desire to reduce CO2 emissions contributes to the growth and importance of bicycling. Many countries in Europe and Latin America are becoming leaders in their commitment to a cleaner world. Lange comments on cities around the globe using their commitment to "literally pave the way for cycling". For example, London has pledged to increase bike safety and infrastructure 10 times until 2030. Along

with other federal, state, and city levels is an increased budget solely for improving the bicycle lifestyle.

Though Europe is currently experiencing its third wave of COVID-19, the cases are dropping exponentially. Simultaneously, the rate of vaccinated individuals is growing daily. Of course, precautions and safety measures are still taking place, with no exception to the Paul Lange company. Lange states that in July members of the company will have the opportunity to be vaccinated by their company doctor as well. Lange states their team has been blessed with being able to social distance, splitting work teams into warehouses, and having access to hygiene products as well.  $\otimes$ 



Interview with KTM Bike President Carol Chen

## A year of extreme difficulties

Text & Photos: Editorial Dept.



year and a half has passed since Covid-19 began to spread around the world. But while the bicycle industry seems unfazed by the situation, it is actually suffering bitterly. As grimly noted by KTM President Carol Chen, the period from 2020 through the first half of 2021 has been an extremely difficult time for KTM. Europe was hit hard by the virus from late 2020 until March 2021, and many KTM factory employees were among those infected. Nevertheless, European governments did not require factories to stop work. Although the KTM plant tried to maintain normal daily production, the gradual loss of many first-line employees caused manpower shortages for close to two months. As a result, production at the plant was intermittent, and it could not fulfill its production plans. And although the outbreaks in Europe came under control after March, there have been disruptions to international supply chains and a severe shortage of shipping containers. Although its employees have returned, KTM consequently cannot assemble

bicycles as expected for lack of

parts and components.

According to Chen, in spite of an abundance of orders, it is nearly impossible to plan production. She never knows what will happen tomorrow, and production and shipments are running 20% behind the originally planned figures. Because a bicycle cannot be assembled if one essential part is missing, the KTM plant has filled up with parts. KTM's backlog of orders is now set to stretch into the next quarter. All bicycle plants are facing similar difficulties. Despite the boost the pandemic has given to bicycle and e-bike sales, the industry has been facing great hardship and difficulty. This has entailed higher costs and much hard work for the industry. Taking KTM as an example, the company has been relatively fortunate, and has enjoyed better sales than in 2019. However, while company-wide spirit, effort, and hardships have been double those in the past, the results only 10% better than in 2020, which has been very discouraging.

Recent shortages of cargo containers have been extremely severe. Because of the lack of shipments from Asia, the shortage of inventory in Europe has worsened relentlessly. If this situation continues unabated, the impact on the industry will be harsh indeed! From the original three months, product lead times



have stretched out to as long as three years. And while companies have plenty of orders, the future remains murky. Unable to successfully plan production, many factories have accumulated mountains of stock. Supply chains are currently in the midst of a vicious cycle, and the situation is anything but normal.

Furthermore, dealers are currently suffering severe shortages of products. Due to their sales expectations, many bike shops are frantically placing orders. But when the time comes that suppliers can smoothly ship products, these dealers may end up cancelling their orders due to gluts of stock, or may be unable to pay for their orders. On top of that, many assembly plants are placing orders for twice the usual quantity, since they have plentiful orders and cannot predict when

their supplies will arrive. Some are placing parts orders with two suppliers as insurance against contingencies, which may lead to redundant orders. These circumstances bode ill for the future of the parts industry.

After having spent a lifetime in the cycle industry, Carol Chen sighed that this is the first time ever that she has encountered such a state of chaos. So many things cannot be controlled, cannot be predicted, and have no easy solutions. The most important task at hand for Chen is now to perform crisis management, and ensure that she will not be left helpless in the event of any further market upheavals. She foresees that 2023 will be a year of great uncertainty, and hopes that everyone in the industry will be a bit cautious when placing orders.  $\otimes$ 

## Giant All-New Revolt E+ Gravel E-BIKE

Text: Editorial Dept.

new addition to Giant's growing collection of E-bikes, the Revolt E+ features a new Sync-Drive Pro pedal-assist system that's powered by a Shimano EP8 motor. This customized powertrain produces smooth acceleration on paved roads, gravel or dirt. It's also optimized to work with Shimano Di2 electronic shift levers, which allows for a clean cockpit setup that doesn't require an additional handlebar-mounted display.

Compared to SyncDrive Pro systems used on many other Giant E-bikes, the Shimano EP8 motor is tuned to respond less to torque input and more to cadence. This makes it ideal for steady pedaling output, a great option for gravel riding. Weighing just 2.8kg and delivering 85Nm of torque, it's a lightweight and powerful motor system.

The Revolt E+ also features Giant's SmartAssist technology. Six smart sensors precisely measure the power being applied to the pedals, calculating just the right amount of pedaling support required to create a natural, powerful riding experience. The rider can choose to have the support levels adjust automatically while riding. This allows you to forget about changing settings while riding so you can focus on enjoying the ride.



SmartAssist also helps optimize energy efficiency for both the rider and the battery system.

With an eye on longer rides, from single-day adventures to multi-day touring, Revolt E+comes with the all-new EnergyPak Smart Compact 500 battery, cleanly integrated into the downtube of the frameset. This is Giant's most advanced E-bike battery system, offering longer range and quick charging capabilities (up to 80 percent in 2.2 hours). The Revolt E+ also offers the option of the EnergyPak Plus range extender, which provides an additional 250Wh of power.

Located on the top tube of the frameset, the new RideControl Go button allows you to change power modes quickly and easily. Colored LEDs make it easy to view which mode you're in, and they also indicate battery level while riding. For additional controls and customizable data fields, you can use the RideControl App to connect with your smartphone.

Taking cues from the Revolt range of gravel bikes, the Revolt E+ is designed for a smooth, responsive ride quality on mixed riding surfaces. The ALUXX SL frameset and composite fork produce confident handling, and the D-Fuse seatpost helps absorb bumps and vibrations to add compliance and minimize fatigue. In addition, all models are fitted with high-volume tires plus integrated mounts for fenders, racks and other accessories.

The new Revolt E+ series of E-bikes will be available soon in select markets.

## Liv Intrigue X E+ Trail E-Bike

Text: Editorial Dept.

Intrigue X E+ is Liv's first trail E-bike with 29-inch wheels. The Intrigue X E+ also features suspension tuned specifically for women by women, flip chip adjustable frame geometry, and a powerful motor making it the perfect trail E-bike for those who want to go further. The Intrigue X E+ is available in XS, S, M and L sizes. Designed to match riders with just the right wheel size for balance and maneuverability, XS frames come with 27.5-inch wheels, while S-L frames come with 29-inch wheels.

"The Intrigue X E+ is the ultimate E-bike for any off-road adventure," said Cassandra Chou, Liv Cycling E-bike product category manager. "This versatile bike can make fast work of uphills and tackle technical descents with ease. A longer range battery and no compromise build ensure the Intrigue X E+ includes all of the fun factors for trail riding."

The Intrigue X E+ was built using Liv's 3F design philosophy which applies to the frame geometry and suspension tuning. Gathering worldwide female-only dimensional data, Liv designs and engineers frame geometry specifically for women by optimizing weight distribution on the bike. This puts the rider in the best position to maximize power and efficiency, and employ her most pow-



erful muscles. Further, Liv customtuned the Intrigue X E+ suspension for women so it performs optimally for female riders and the bike's intended use, resulting in improved traction, control and confidence.

#### **Powerful Motor and Battery**

The SyncDrive Pro motor on the Intrigue X E+ series provides a natural, yet powerful, E-bike experience. Powered by Yamaha, the SyncDrive Pro motor features assist modes that range from 100 to 360% of a rider's effort. Range variation depends on terrain, elevation, acceleration, weight and other circumstances; however when fully charged, the battery can last up to 190km before recharging.

The new EnergyPak Smart 625wh battery is integrated into the

downtube of the lightweight and durable ALUXX SL-Grade Aluminum frame, and offers a sleek look and easy removal and insertion for charging, replacing and storing. The Intrigue X E+ also comes with a smart charger for longer battery life and fast charging.

The Intrigue X E+ series includes an intuitive handlebar mounted RideControl Ergo that allows the rider to adjust riding modes with two key data indicators – battery level and support level. RideControl Ergo also improves the riding experience by providing Smart Assist Mode and a Walk Assist feature. Smart Assist automatically provides pedal assistance when and where needed, while the Walk Assist feature offers convenient, appropriate power for walking the bike over varied terrain.

## Merida eSILEX, Your Next E-bike Choice

Text: Editorial Dept.



Astylish electric gravel bike with an almost invisible integrated drive system.

#### eDiscover The Path Unknown

If you are often looking for the off-road alternative when you are out on your bike or need a 'supportive' companion for your next biking adventure or bikepacking weekend, or perhaps you simply enjoy exploring the path unknown, then the eSILEX may be the perfect assisted bike



 $\blacktriangle$  eSILEX\_400\_telblk\_MY2021.

for you. The rear-hub MAHLE system, with integrated battery, offers a neutral support level whenever your journey requires some e-motor assistance. eSILEX

comes with gravel/off-road tyres for extra grip. Numerous fixing points on the frame, as well as the fork, turn the eSILEX into an adventure rig without any fuss.

#### **Key Components**

#### Cable Integration

All cables are run internally, to protect them from moisture and dirt. On our new eSILEX we go one step further by letting all cables enter the frame through a specific headset cap, the 'Wire Port', making the cockpit super clean, clutter-free and easy to fit bar bags to your bike. In case you need to maximize your luggage capacity.

#### Battery Integration

The internal battery is perfectly integrated into the downtube and allows for a sleek tube shape. The 250 Wh capacity offers sufficient range in the city and on training rides, with the option of an external range extender adding an additional 208 Wh capacity.

#### iWOC Control Unit

To keep the cockpit as 'clean' as possible, we have placed the iWOC on/off switch



▲iWOC Control unit.



▲ Maximized luggage capacity.

on the top tube. This location makes it perfect for reaching it in every riding condition. MAHLE's iWOC switch is not just an on/off switch, but the rider can also toggle between the different support level by pressing the button. Different colour rings indicate at which level the system is running.

#### **Gravel Bag Collection**

Our eSILEX is loaded with fixing points giving the rider plenty of opportunities to attach whatever equipment is needed for the next big outing. But we don't just have all the fitting points on our e-adventure bike; we also have a huge range of waterproof bags in our range to turn the eSILEX into a proper adventure rig.

#### Mahle Ebikemotion X35+

The sleek design of the top-quality aluminium chassis integrates the Mahle/Ebikemotion X35+ rear hub motor, which pushes up to 40 Nm, perfectly into the bike. The iWOC on/off switch also fits beautifully into the top tube. Even under high load on steep climbs, the motor is remarkably quiet. The successful motor tuning always combines sufficient thrust with a pleasant riding feeling. Even in the downhills, the eSILEX is speed-proof.

Top motorization, agile handling and a perfect mix of smoothness and maneuverability that inspires a bold riding style is convincing from Merida's stylish electric gravel bike eSI-LEX.

## **Product News**



# BMW Joins Electric Transportation Movement

Text & Photos: Editorial Dept.

B MW's latest designs make city living easier than ever. With two new products, the ecargo bike and e-scooter, getting to and from a destination has never looked better. Both products offer unique designs not yet seen by the electric

transportation community. Furthermore, the Dynamic Cargo and Clever Commute are versatile in their uses and are flexible options for traveling throughout cities.

Although this isn't the first BMW presentation on mi-

cro-mobility to the public. The BMW Motorrad, the X2City, and the Personal Mover Concept have all been alternatives for transportation. Taking part in the movement to help provide people individual transportation, Jochen Karg says there

is a force behind safer options. Karg, the Head of Vehicle Concepts in BMW's China division states their "goal was to develop a concept that retains the ability and driving feel of a normal bicycle while adding innovative, safe transport options." Thus creating the first cargo bike that is flexible in its use, offers year-round usage, and is enjoyable to the user.

The Dynamic Cargo e-bike sports three wheels, two in the back and one in the front. It aims to help riders transport children, groceries, or other loads that traditionally cannot be carried on a bike. The Dynamic Cargo is assembled with a powertrain that pushes the rider forward as soon as they begin pedaling. Making the e-bike just as easy to ride as a standard bicycle.

Not only does the Dynamic Cargo e-bikes offer smooth riding, but it is advertised to come with additional attach-



ments. This includes the ability to put a seat behind the rider, where children can sit. The ebike also has year-round stability, whether it is used in the rain or snow. The high agility addition was added so that users don't have to reserve riding their e-bike for strictly warm and sunny days.

As for the Clever Commute e-scooter, this provides an alternate means of transit yet still embodies the engineering feats that the e-bike boasts.

With its foldable footboards at the sides, the e-scooter can accompany you on an escalator, on and off public transportation, and into small vehicles. Additionally, the scooter can be pushed up hills or ramps due to the front wheel's essential motor.

Furthermore, both the Dynamic Cargo and Clever Commute offer safety and insurance. With Dynamic Cargo's three wheels, two in the back and one in the front, which connect to the front mainframe, the rider remains stable when turning corners. Also, the two back wheels are fitted with a rigid and non-pivoting axle. The Clever Commute scooter offers an ergonomic design, which minimizes fatigue, making it ideal for trips. Both have a range of over 20 kilometers and are compatible with a battery pack. So the user can recharge nightly before the next day's adventure.





# Shimano Launches Two Drive Units For E-Cargo Bikes

Text: Editorial Dept.







Shimano recently launched two new drive units designed for hefty hauls. This announcement comes at a time when electric bikes are seeing record numbers throughout the world. The Shimano EP8 and E6100, which are complementary to the Shimano gearing and braking system, can carry up to 250 kilograms. Allowing trips to and from your destination to be a little less straining.

Using Shimano's fundamental system of engineering, the new EP8 and E6100 offers riders an energy-efficient ride. Additionally, EP8 has a max output of 85nM, battery-saving Eco mode, and a built-in smart Walk Assist mode when navigating tricky curbs or ramps. It also has cooling fins on the outer













shell, allowing heat to dissipate evenly while guaranteeing optimal performance internally. Compared with the E6100, the EP8 has a quieter motor and a stronger performance, even when filled up with 250 kg of weight.

As for the E6100, this version gives riders a more moderate increase in acceleration and lower output. It also has many of the same features as the EP8, including walk assistance and smooth pedaling. However, the main difference between the two is the maximum output of the two drive units. The E6100 has maximum output assistance of 60Nm. Both can be combined with a Di2 internal mode hub gear that starts your trip off at your preferred speed.

And although the E6100 drive unit is moderately larger than the EP8, both are compact and lightweight. With three modes: Eco, Normal, and High, traveling continues to be smooth and, not to mention, customizable with Shimano's E-TUBE smartphone app. This advancement allows riders to embark on various trips with their essentials in tow.

# Shimano Releases **Smoother Drivetrain Technology**

Text & Photos: Editorial Dept.

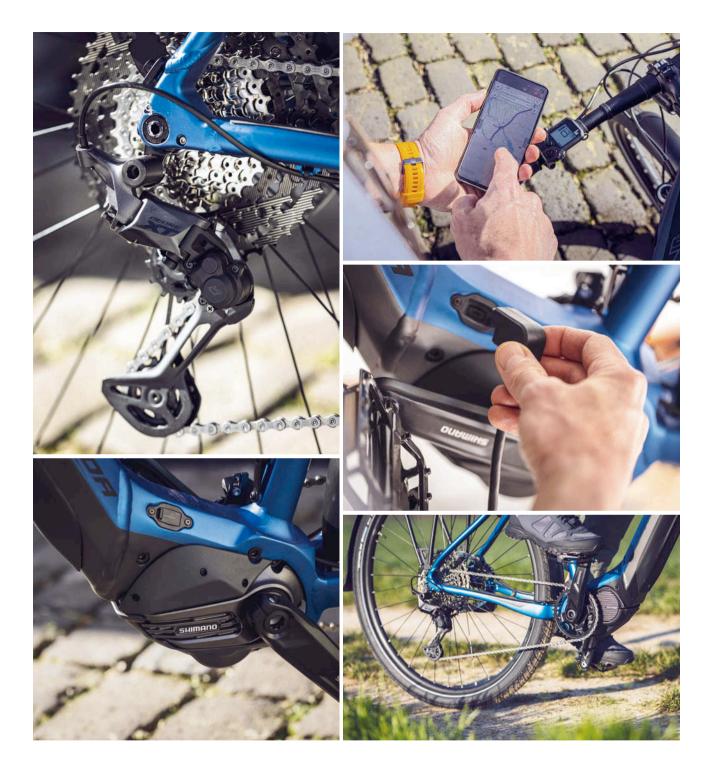


s an increasing number of people become involved in bicycling, the demand for higher quality durability in biking components grows. Drivetrains, the technology that works unanimously to move the bike, becomes eroded over consistent use. To combat drivetrain depletion, Shimano is introducing LINKGLIDE technology. With its purpose to keep riders spending more hours on the road and less time in the shop.

Though it is complemen-

tary for electric trekking and e-MTBs bikes, it offers a wide range of riding styles, too. With two speeds, the DEORE XT and DEORE, the intention is for riders with various terrain preferences. Testing their latest renowned engineering feat in a muddy climate, Shimano concluded that their new LINKGLIDE cassettes are three times more durable than the HYPERGLIDE cassettes. The LINKGLIDE is also three times less likely to experience degradation fatigue, allowing smoother chain movement, high-performance two-way shifting, and a decreased performance loss.

The LINKGLIDE cassette boasts a new shape to reduce wear and have thicker bases. This mechanism allows the chain to move smoothly while reducing pedal or jump shock. The LINK-GLIDE derailleurs offer the same shifting performance as the Shimano Shadow RD+. However, it has a reduced chain slap on the new DEORE XT and DEORE. The shift levers offer a new 2-way



Release and Rapidfire Plus functions, while the new DEORE XT has an Instant Release for faster shifting. This allows the rider the ease of switching gears smoother than ever.

Lastly, the new LINK-GLIDE 11/10 speed chains pro-

vide a less costly option to Shimano's other products while still maintaining an e-bike rated product chain. Filip Scholliers notes that "less experienced cyclists ride in the same gear, sometimes under excessive torque, for long periods, which puts strain on their drivetrain." Therefore, Shimano's LINKGUIDE technology allows riders, who may shift gears under torque, less strain on their bike. Minimizing the chances of performance loss, whether it be amid their daily commute or race day.

# Lasco Launches Advanced Chainrings

Text: Editorial Dept.

#### E-Cargo

Lasco's new EM51-Size-GA38 model is a perfect fit for all e-cargo and e-urban bikes. The chainring's specifications include a crank length of 165, 170, or 175mm and sizes ranging from 38T, 42T, or 44T. With an Alloy cover and CNC highlights, the crank comes with a round and balanced bold design that symbolizes the power delivered in its modern style and is available for up to 12's. It is also compatible





#### 1KEBRGS-38T

The model 1KEBRGS is the newest direct mounting chainring that stands out for its unique design. Lasco's wide teeth design has improved chain retention function and increased durability of chainring teeth after long rides. Compared to standard teeth, the wide teeth design imitates the appearance of an alloy ring without excessive additional costs. It is also suitable for the Bosch Gen3.



#### EM33D-N38-GA38 (1DX4)

Model EM33C-SIZE-GA38-1DX4 is Lasco's advanced chainring set. The chainring and cover are designed and styled with a fused and unified look. Additionally, model EM33C-SIZE-GA38-1DX4 is compatible with Bafang models M420, M500, and M600.



Lasco's new RFR61042GA33 model is ideal for metropolis riders. With its city and urban-style crankset, matte finish, and offset cover, the clean look is available for 42T. Its crank is congruous with SQ or the integrated bottom bracket systems.



Lasco's GV1 is another one of their latest chainrings. Among the integration of bottom brake systems and an option for gravel bikes, the GV1 has a direct mounting crankset. The chainring also comes in sizes of 40T or 42T.

# Bafang Introduces H700 Driver System

Text: Editorial Dept.



Bafang motors, one of the world's leading manufacturers of e-bike parts, has recently introduced a new drive system. Bafang manufactures various motors. For example, front, mid, and rear-drive systems. Bafang's latest model is the H700 and is equipped with a rear-drive system, catering to the Ecity line.

#### Smooth, silent ride

Bafang's team has worked on the internal construction of mechanical and electrical parts to achieve the integration of the derailleur with the motor. Because the ability to adjust gears combines with the drive system, users of the H700 can achieve

a dual-speed automatic transmission. Additionally, the H700 is almost 100% inaudible, allowing the rider to enjoy a smooth ride without the worry of jeopardizing the motor.

#### **Legal and latest technology**

Not only does the H700's 250 watts output meet the legal requirements, but it also guarantees a sound execution. It is compatible with 430 Wh Intube battery plus controller. Plus, it offers a single-button LED light display and features the option of Bluetooth function. The H700 has a safety mechanism of a fine-tuned torque sensor, which carefully monitors the user's exertion and speed. The H700 driver system combines the latest technologies while conforming to the clean bike trend

The outcome means it is suitable for daily commutes to and from work or a relaxing ride around town.

# **Velo Adds New Seats to World Class Collection**

Text & Photos: Editorial Dept.

Velo, the innovative bike saddles' and grips' manufacturer, did not stop their R&D during the pandemic. They recently launched their new products through their Velo Connect platform (https://velo.uweitech.com/#/).

These new additions design ideas were from people's desire for different ways to get outdoors, stay healthy, and adjust to new post-COVID life. Below you will find your guide to Velo's latest gadgets that are guaranteed to accomplish your smooth and satisfying ride.

Among all these saddles, one of the most important characteristics is the hidden I-Carry design under saddles' shells. The I-Carry is specifically designed to allow riders easily transporting their bike up or down and entering or exiting buildings.



#### **E-BIKE GRIPS**

Moreover, as citizens around the globe look to bikes as alternative means of transportation, Velo has also launched a range of new products featuring anti-bacterial bike grips, handlebar tape, and seats. The idea comes when consumers have increased personal hygiene concerns and desires to stay healthy while exercising. And, with thoroughly researched Microtech technology, the goal is to keep riders safe and secure.



Velo's VL-6535 is the saddle for riders who enjoy a wide and comfortable seat while riding relaxingly. The saddle not only uses Velo patented Atmos Shaping technology, it also comes with signature ArcTech suspension structure. The VL-6535 ensures smooth riding by preventing road vibrations and providing absorption of shock. The star cut design beneath the seat bone positions also adds extra comfort to riders while riding in rough road conditions.





#### **VL-3575**

The VL-3575 is designed with a 245mm length which satisfies UCI cycling regulations. The saddle comes with double-sided, anticollision protection which makes sure the saddle cover does not rip off when the bike falls. The seat comfort comes from Velo's Airform support. To ensure riders' security on quick turns, Velo also designed a special shock absorption system inspiring from Velo's signature ArcTech technology. The VL-3575 harmonizes comfort and performance, taking into consideration rider's body weight and road condition, which, in turn, provides outstanding support.



#### **VL-6450**

Last but not least, the VL-6450 with a sleek finish, the structure is akin to a jet machine due to the "Wing Bow" design at its base. The design not only offers support, but also minimizes the amount of discomfort a rider may experience during the trip. Furthermore, it is intuitively designed to create flexibilities for the saddle to match rider's body position during fast turns.





# Spard: The Professional Designer and Manufacturer of Battery & Chargers

stablished in 1992 and with 28 Years of experience, Spard owns over 100 patents of professional and high-quality battery parts and is one of the leading battery manufacturers in China. Spard's passionate engineers are constantly researching and developing new products to improve rechargeable batteries commonly used on electric bikes. The company's motto is "people-oriented, scientific and technological innovation, fine manufacturing, quality and safety, honesty, truth-seeking, customer satisfaction".

Their products all follow their safety guidelines to make, design & produce. Spard integrates the assembly of BMS, charger, and battery pack into production in one factory. Through the automatic assembly line, product quality has been well controlled, and the battery pack 100% passed full charge and discharge testing before shipment. Additionally, 90% of their products are exported.

Due to the worldwide de-



mand for thoroughly functional BMS batteries, they have cooperated with SGS and TUV to test their products to meet the latest European regulations for e-bikes. They got EN ISO13849 certification for hardware type BMS, as well as software (incl. UART, CAN Bus communication protocol) type of BMS which: RTC is supported, the fault of the battery will be recorded, cycle time/ current/voltage/ SOC/ SOH can be read, and various abnormal intelligent LED lights flashing alarms, etc. General models of Spard's batteries are almost all tested and certified by SGS and TUV. There are various types of batteries which include, external hanging type, semi-integrated, and integrated down tube type. Other products include the in-tube, rear carrier, and bottle type batteries.

Spard continues to be the leading battery expert. One of the latest CAN Bus communication protocol battery projects, UL2271, was certified at the end of June 2021. The electric bike with its customized battery is used for last-mile delivery logistics transportation in the United States.

Additionally, products are supplied with a double guarantee to enhance the cooperation. Spard renews product Liability Insurance every year, providing a strong backing for win-win cooperation.



# **New E-Bike Product Gallery**

## A-Pro Tech Co., Ltd.

#### ONCA6.0-CA-S-29er

The ONCA 6.0-CA-S-29er fully is designed for conquering extreme terrain. The slim, muscular look is reminiscent of a leopard. The carbon fiber chassis is manufactured utilizing EPS technology and High Modulus Carbon Fiber. EPS Tech is an unique forming technology which provides superior strength and extreme lightweight. Combined with a #6061 aluminum chain, stay the complete frame is lightweight, stiff



and responsive. The heart of the frame is the power drive, a SHI-MANO EP-800 motor with its new in-tube battery. This frame

can apply two types of sizes, 150mm and 120mm, by arrange in pairs of different linkages to achieve different results.



#### 001-C42CL

Increased physical activity is a global effort and is getting more and more popular. People are aware of the benefits that riding brings, such as increased mental health, and also exploring nature. With more and more demands for electric bicycles, many manufactures are gearing up for positive growth and are investing in product development proactively.

APRO-R001 is created with a new design and under process optimization. In APRO-R001, the rigidity has been advanced by 102% and the impact strength by 19%. With APRO-R001 and a long-endurance battery, riders can enjoy their journey on gravel or on different types of surfaces without any concerns.

The design of Tubeless Ready and Clincher can mitigate the risk of pinch flats and increase the capability of rim bead shelves to hold the tire, which raises the riders' self-confidence significantly. Asymmetric rim design can make both sides of the wire tension nearly equal. With this design, the life span for the wheel sets can be extended, and the stability of cornering can be increased, so that riders can feel safe and comfortable whilst cycling.

+886-4-26821688

www.apro-tek.com/

#### **AVIN**

Waterproof connector and wiring harness solution

In recent years, Avertronics has been transforming aggressively in the direction of ODM/OBM. Building their brand and enhancing their research and development capabilities. Avertronics has successively developed a variety of waterproof connectors due to their unique wiring harnesses. Furthermore, Avertronics has obtained patents in many countries. Most of their waterproof connectors

have been used by lots of industries, especially those who focus on electronic bicycles and motorcycles.

1. From low power to high power (max120A)

2. Autonomous RD and vertical integration abil-



ity from OBM/ODM OEM to private products.

- 3.Small MOQ and variety product orders, are acceptable.
- 4. High integrated ability of power solution.
- +886-4-23581581
- www.avertronics.com

### **Greenway Technology Co., Ltd**



#### **DZ-ZZ042**

Greenway Technology launched their newest lithium battery model for e-bike: DZ-ZZ042 with IP65 waterproof and UL certification, which uses 21700 cells and is suitable for motors ranging from 250W to 1000W. The specifications can be 13S5P (48V 25Ah) or 14S5P (52V25Ah) DZ-ZZ042 and can match different styles of vehicles according to their own needs. However, they are mainly for e-bikes that travel cross-country. Whether it be through the snow, on land, or sandy beach!

With the mission "To empower the world with Green batteries and keep the earth clean." Greenway has been focusing on research and development (R&D), manufacturing, sales, and after-sales service of lithiumion batteries. It forms a complete intelligent manufacturing system by integrating the R&D and production of lithium-ion cells, battery pack structure design, BMS development, SMT, and finished product assembly. Greenway's products include e-bike, electric motorcycles, e-scooters, and other application fields.

+86-769-27282088

W www.greenway-battery.com

## JD Components Co., Ltd. / TranzX



**R16** 

Whatever your drive system needs are, TranzX can offer you a reliable solution to match. The R16, a 250w super lightweight rear hub motor, features a compact size and is designed for optimal power transfer to deliver maximum riding pleasure. This drive unit provides up to 45Nm of torque and remains exceptionally smooth with natural assist characteristics to meet your ideal road & gravel bike riding experience.

+886-4-2251-9325

W www.tranzx.com/

#### **KMC**

#### e-Bike Solution

KMC offers a total e-Bike solution for superior chain and cog tooth which run efficiency with specially designed teeth for an enhanced chain retention.

#### **Chain Mate**

The chaining roller seats between the teeth are perfectly matched to chain rollers for exceptional component engagement. With have higher power transmission efficiency and a longer component lifespan.

#### **KMC Shield Riveting**

Shield Tech is a patented new riveting tech that utilizes a reinforced pin design with 10% greater pin surface area and significantly increased pin power of 25%.

#### **Optimal Tooth Design**

Chain retention is enhanced via an optimized tooth design that holds the rollers in place, preventing chain drop while also reducing the friction associated with traditional narrow or wide design.

+886-6-2019103

W www.kmcchain.com/en/







## Kun Teng industry Co., Ltd / KT

#### **QL-DCTXR**

The Star ratchet hub QL-DCTXR has a straight pull rear hub, with dimensions of 12x148mm and a center lock. The Star ratchet engagement system also has four seal cartridge bearings, compatible with Shimano HG, MS12, Sram XD.

- +886-4-25661311
- Wkttw-hub.com/pro.php?m=d&pid=516&cid=54&f=4



## Mycarr Lighting Technology Co.,Ltd.



Low beam 250 lm Housing: PC K mark DC 6V→12V



Low beam 250 lm Housing: PC K mark DC 6V→12V



Hi / Low beam 550 lm/235 lm Housing: ADC-12 K mark DC 6V→12V



DRL / Hi / Low beam 1200 lm/600 lm Housing: ADC-12 K mark DC 12V

#### **EJ-14**



DRL / Hi / Low beam 1800 lm/900 lm Housing: ADC-12 K mark DC 12V



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+886-4-7621381 #103 \\
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\text{W} www.mycarr.com.tw/
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#### **Pardus**

#### **ROBIN EVO**

ROBIN EVO is designed around two themes: lightweight and high rigidity. It also has a highly integrated DISC-brake road. The whole bike has a full internal routing design, which is clean and pure. Made of Toray T1100, T800, and M40 high-strength and high-modulus carbon fiber, the weight of the M-size frame is 750G. The fork 290G and handlebar in 400MM 295G were manufactured by using the EPS+ emulsion vanishing mold forming technology and precise carbon cloth cutting and stacking.

The application of the wing integrated handlebars comes from the site project of the PARDUS R&D team, which



has been deeply invested for many years.

The industrial design, which is more in line with competition needs, may seem strange but it has extraordinary aerodynamic effects.

+86-534-6807866www.parduscycle.com



### **Shenzhen HL Corp / ZOOM**

#### **879AMS**

The 879 AMS ZOOM allows wheel dimensions of 20" up to 26". The travel is 80 mm with the options of HL/O and a coil spring. The crown comes from Forged Alloy, with a pitch of 179 mm. The stanchions come from a ø32mm steel tube. The steerer has an ST of 1-1/8" ST 1.5" to 1-1/8". The one-piece lower leg is produced from aluminum with ø42.0mm. The brake is a PM 160 rotor with a max rotor(mm) of 180 mm. The axle ranges from 9-135 mm, and the weight varies from 2.4-2.8 kilograms.



#### NR-AL-124BT FOV/EN15194 NR-AL-E124BT FOV/EN15194

The ZOOM handlebar accessories are crafted with forged alloy steel. Additionally, both models have a barbore of ø31.8mm and a width of 600,



620, 640, 660, 680, or 700mm. The back sweep is 38° and rises to 38mm. Both models also

feature a finish of sand blasted anodized black or silver with a height of 40 mm.

#### TDS-D632-8FOV/EN15194

The new ZOOM handlebar stem comes from forged alloy steel. With a 100mm EXT and a barbore of ø31.8mm, the ZOOM comes in a finish of sand blasted anodized black or silver. The height is 40mm with a rise of  $0^{\circ}\sim60^{\circ}$ .

+86-0755 2713 0185

W bike.tw.hlcorp.com/



#### **Stone**



#### **Stone Midmotor**

The mid-mounted auxiliary bicycle power system has dimensions of 204x155x167mm, and a weight of 3.6kg. The position type is a mid-driver, and it has a rated power of 250W with a maximum power of 580W. The rated voltage is 36 Vdc and the max revolutions per minute are 130 rpm. The pedal sensor has 5 components in 1 module, including a torque sensor, motor driver, traction motor, a transmission, and a BB axle. The system has a max torque of 85Nm.

IP code: IP 55

+886-3-4526136

W www.abonmax.com.tw

## **United Engineering Corp. (KHS)**

#### **E-Assist Endure 1000**

Electric assisted or E-Assisted bikes allow you to do more on your bicycle. The ability to see and ride more, while having the option to explore different places or just have fun.

KHS has a full line up of E-Assisted bikes that will suit everybody's needs. From great commuters to killer mountain trail bikes to the good old E-bike for running errands around town. KHS has an electric assisted bike just for you.



#### **MOVO 1.0**

Shouldn't all bikes be comfortable? You would think so. But different types of bikes are designed for different goals. Comfort bikes are designed specifically to be very easy and comfortable to ride. The riding position, which is more upright, puts less strain on the back, hips, shoulders, and arms. These bikes also have luxury saddles, grips, easy shifting gears, and often suspension forks as well.

+886-3-3867981 W khsbicycles.com





## Whole Man Enterprise Co., Ltd. (Prowheel)

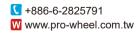
#### 2023 Prowheel E-Bike Design For Shimano EP800



Prowheel E-MTB model is specially designed for a rigorous riding environment and is compatible with Shimano EP800 mid-motor interface. The alloy crankset is made from high strength material with lighter, rigid, and a more powerful energy transmission compared to traditional alloy materials. Easy to assemble with no spacers required, the Model EB11 alloy cranksets are available in three sizes 160, 165 and 170mm.



The chain wheel set is compatible with 11s, 12s. The narrow chaining design avoids chains dropping off and has an alloy chain guard option with various chaining choices. Chaining from  $32T \sim 40T$ , both steel and alloy 7075 have chainlines of 49mm and 53mm.





### Yung Fang Plastic Co., Ltd.

#### Bike Tow Leash (YF-08006-KIT)

The bike tow leash is designed to assist children in climbing up difficult hills. With a very light weight of 294 g and made of Nylon + 30% GF. Total rope length is 2.55m. This accessory makes it easier for parents to guide their children on the road.





#### Mudguard (PM-29)

The mudguard is designed to fit 26°, 29° and 700°C wheels. For use with MTB and downhill rides, the Quick-Release system for the front mudguard is designed to fit Ø30 - 36.5mm fork stems. They are length adjustable, with 30 mm of range, from the rear mudguard.

+886-49-2522259

www.yungfang.com.tw

## Zhe Jiang Baoguilai Vehicle Co., Ltd.



#### ATV08-X

The ATV08-X has a front wheel which lengthens the shock absorbers, and a middle shock absorption system which is used in the upper pipe and the rear fork section. When the front and rear wheels touch uneven road surfaces, they can quickly buffer the rebound force from the ground, and quickly increase the overall comfort. With dual motor drive system on the front and rear wheels, it is more suitable for riding on hilly terrain.

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# Ming Cycle Taiwan Fires up New Plant

Text & Photo: Editorial Dept.

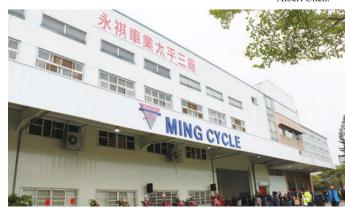
R esponding to to the swelling popularity of a 1.1 larity of e-bikes and urgent bicycle orders, Ming Cycle has established a new assembly line in Taiping, Taichung. The new plant, which was inaugurated on January 12, will give a considerable boost to Ming Cycle's capacity. Apart from thanking customers and vendors for their long-term support, company president, Chang Tai-shan expects the company to set a new output record in 2021.

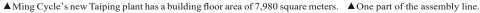
Ming Cycle's new plant has a lot area of 5,280 square meters, and a building floor area of 7,980 square meters; it will employ 120 persons, and chiefly assemble bicycles and e-bikes. Ming Cycle Taiwan produced approximately 120,000 units in 2020, including 36,000 e-bikes, and expects to have capacity of 300,000 units this year. Ming also looks forward to sales growth of 150% in 2021, and has a reasonable shot at achieving 275% sales growth in the e-bike category.





▲ From left: Taiping District Office Chief Secretary, Lee Aiguo; Legislator Ho Hsin-chun's Office Director, Liao; Taichung City Councilor, Lee Tien-sheng; Taichung Customs of Customs Administration, Ministry of Finance, Director Liu Li-Li; Ming Cycle President, Chang Tai-shan; Taichung City Councilor, Lee Li-hua and Ming Cycle General Manager, Albert Chen









# Darfon acquires 51% Share of Astro

Text & Photos: Editorial Dept.

arfon has played a major role in the e-bike industry's development in recent years. After acquiring Kenstone in 2019, Darfon followed up with the purchase TD HiTech Energy in 2020. Recently, Darfon announced on February 1, 2021 that it would cooperate with Astro—Taiwan's leading frame manufacturer—and would use NT\$1.224 billion to purchase a 51% stake in Astro's equity. With this move, Darfon's hopes to increase its high-end bicycle and e-bike orders.

Darfon's core competitiveness is in batteries and electrical control systems, and it has collaborated closely with major international e-bike makers in the development of various ebike solutions. As a result, its own BESV brand e-bikes and OEM business have both been thriving. Darfon hopes that its investment in Astro's equity will accelerate its strategy of developing key e-bike parts and components, and will give Darfon the ability to fill high-end bicycle and e-bike orders with a complete supply system.

According to Astro GM Samuel Hu, Astro has been developing and manufacturing



▲ Darfon Electronics President Andy Su.



▲ Astro Engineering General Manager Samuel Hu.

bicycle frames for 30 years, and its innovative designs and production methods make it the industry leader in the areas of aluminum alloy and carbon fiber frames. Astro embarked on the mass production of ebike frames as early as 2005, and designed and manufactured the world's first e-MTB. It has become a major developer of suspension bikes and e-bikes, and is adept at integrating motor, battery, and mechanical systems in all-inclusive e-bike frame solutions. Astro's customer base

consists of mainstream high-end brands in North America and Europe, and it maintains a strategic division of labor between its plants in Taiwan and Vietnam. This has allowed it to readily meet customers' e-bike and high-end bicycle frame design and innovation needs. We can be sure that the strategic alliance between Darfon and Astro will enable the two parties to achieve a high level of synergy involving their technology, processes, and management, yielding a win-win outcome for both. ₩



# Going Greener with a Circular Economy

Text & Photos: Editorial Dept.



cting in concert with the global "circular economy" development trend, many international brands, including Nike, Microsoft, Mercedes Benz, Apple and Starbucks have publicly announced zero-greenhouse gas emissions and zero-waste discharge environmental protection plans. In addition, Walmart, Tesco and Decathlon have all asked their vendors to disclose greenhouse gas emissions information. Furthermore, the "5 + 2" industrial innovation policy proposed by Taiwan's Ministry of Economic Affairs includes the circular economy concept among its "+2" items, and seeks to support SMEs pursuing energy conservation, carbon emissions reduction and recycling in an effort to create green sustainable supply chains. Since cycling inherently conserves energy and reduces greenhouse gas emissions, the bicycle industry should do its part for the world and the environment by attaching even greater importance to green production. By taking active steps to create green products, a green industry and green supply chains.

The new business model needed to create a circular economy must seek to redefine waste and redesign products and processes. It must use new technologies to ensure that resources, raw materials and waste return to the industry chain in an endless cycle. Only then can the consumption of energy and resources, and the

production of waste, be reduced. Some of the many concepts that can be employed to achieve a circular economy include a reduction in process carbon emissions, recycling and reuse of materials, zero waste, environmentally-friendly packaging, leasing instead of buying, public bicycles (such as YouBike), green buildings, carbon footprint tracking, water footprint tracking, plastic footprint tracking, "plogging" (combination of jogging and picking up litter) and helping employees ride a bike to work.

Responding to calls for environmental protection and sustainability, many international corporations are vigorously striving to establish all-new business



▲ With the support of the government and CHC, Taiwan's bicycle industry has launched circular economy plans.

models in line with the principles of a circular economy. For instance, companies have begun establishing mechanisms for simpler and more convenient recycling of their products. Companies are also thinking about how to remanufacture and reuse products after recycling, or how to gamify the final disposal of their products in order to reduce waste. Because Taiwan lacks natural resources and is highly dependent on imports, its industry faces particularly daunting challenges and risks. Therefore, Taiwan must place an especially great emphasis on the circular economy concept. As far as Taiwan's corporate world is concerned, circular recycling and reuse will be its entry pass to international markets in the future.

#### **Europe's New Green Policy**

The European Commission formally unveiled its "European

Green Deal" on December 11, 2019. This set of policy initiatives calls for climate neutrality by 2050, and a reduction in greenhouse gas emissions by 50%-55% by 2030. The European Union hopes that its emission reduction effort during the next 10 years will enable the EU economy to achieve the goal of climate neutrality before 2050. According to our understanding, the EU also plans to propose a revision of its energy tax directive in 2021 to ensure effective carbon pricing, and will prepare to use its "Carbon Border Adjustment Mechanism" (CBAM) to serve as a carbon emissions pricing defense line. The EU is Taiwan's fourth largest export trading partner, and annual trade with the EU is valued at €50.5 billion. Because of this, when carbon tariffs are added to the EU's CBAM mechanism, this will have a profound impact on the competitive-

ness of Taiwan's exports.

#### Nike~Move to Zero

Many international sporting goods brands have taken steps to protect the Earth. Such asbrands like Nike, Converse and Adidas have introduced all-new environmentally-friendly shoes produced from recycled waste. After the completion of its new European distribution center, which is entirely powered by renewable energy, Nike plans to "move to zero to protect the future of sport" with the announcement of its new "step towards a zero carbon and zero waste future" environmental



## Taiwan Company News



▲ Nike uses recycled materials to create environmentally friendly sports shoes.

protection plan. Nike has pointed out that its "Move to Zero" greenhouse gas emissions campaign reflects its wish to combat the negative impact of climate change on sporting activities. This impact includes the extreme effect of rising global temperatures on athletes' endurance and on winter sports. To fight against climate change, Nike has made major changes to its supply chain and the surroundings of its headquarters. It hopes to reduce the ecological footprint of its products to the greatest possible degree, while benefiting its brand as much as possible. The main goals of Nike's "Move to Zero" environmental protection plan include:

- 1. By 2025, Nike will use 100% renewable energy to power facilities owned and operated by the brand.
- 2. By 2030, Nike will reduce the greenhouse gas emissions of its global supply chain by 30%.
- 3. Nike will recycle 99% of its shoemaking waste, and pre-

- vent it from entering landfills.
- 4. Nike will recover more than 1 billion PET plastic bottles from landfills each year, and use them to manufacture Flyknit insteps and yarn for new sporting clothing.
- 5. The Reuse-A-Shoe and Nike Grind plans will reuse waste in the manufacture of new products, athletic facilities, runways, and ball fields.

Another example of companies fighting against climate change is Decathlon. The company has been promoting its global "Hang-Up" plan. With a goal of "sustainably letting everyone enjoy the thrill and benefit of sports." Decathalon is actively promoting clothes hangers, cardboard boxes, air mattress and electronic wristwatch recycling. Decathlon's actions are aligned with the circular economy ethos, and will give its products a second life. In keeping with its promotion of a "return to green sports," Decathlon is also using innovative technology to produce regenerated polyester fibers from recycled PET plastic

bottles and other waste. The company is using these fibers in the production of rapid-drying, sweatwicking running clothing and over 3,000 environmentally-friendly products. Decathlon emphasizes that it uses 100% regenerated fabrics, which reduces carbon emissions by 67%. It also uses cardboard instead of steel legs, and emphasizes easy disassembly and recycling. By adopting environmentally-friendly processes that are already reducing environmental pollution. Decathlon is helping to create a sustainable, appealing sporting environment. Apart from its processes and products, Decathlon also encourages vendors to strive to pass its "Science-Based Targets" initiative(SBTi) review procedures.

# **Major International Bicycle Producers**

Trek's approach to sustainability takes the form of green facilities, waste reduction/energy conservation, and land restoration, while also striving to reduce the use of plastic in its packaging and ultimately achieving plasticfree packaging. Specialized has redesigned its shipping boxes to achieve a 15% reduction in cardboard consumption. Shimano emphasizes prevention of pollution and promotes appropriate waste management; its "Shimano Green Plan" controls use of chemicals. The Accell Group has pledged to reduce packaging materials by 2-4% each year, and use card-

## Talwan Company News

board or biological packaging instead of foil paper and plastic. The PON Group began a carbon neutrality policy in 2018, and is striving to achieve the goal of

zero greenhouse gas emissions. In spite of the fact that Taiwan's bicycle industry still has far to go in realizing a circular economy compared with these international

firms, some manufacturers have nevertheless been quietly working hard for many years to achieve the goals of environmental protection and emissions reduction.

#### Merida

Merida has achieved exemplary energy conservation and greenhouse gas reduction performance. In 2012, its bicycles received the first Carbon Footprint Label certification obtained by the cycle industry, and it was awarded the EPA's corporate energy conservation and carbon reduction mark in both 2013 and 2015. Merida adopted 1.59 hectares of green area in Park 2, Changhua County Air Quality Purification Area 1 from 2013 to 2018, and actively participated in environmental protection work. As a result, Merida was honored as an "outstanding organization" in Changhua County government's air quality purification area adoption and maintenance assessment activity from 2014 to 2019. In addition, Merida was granted the EPA's "National Air Quality Purification Area Outstanding Adopting Corporation Award" from 2014 to 2017 and in 2019.

According to Merida, in accordance with the Ministry of Economic Affairs' "Regulations on Setting Energy Conservation Objectives and Execution Plans for Energy Users," which calls for an average annual power saving rate exceeding 1%, it has organized an energy audit organization, conducted inventories of its facilities' energy structure, drafted an energy implementation program, and conducted energy conservation measures. These included the improvement of lighting energy use (replacement of lights with LEDs, and use of self-sourced lighting), improvement of air compressor energy use (replacement of old compressors, elimination of piping leaks to reduce energy wastage), improvement of air conditioning energy use (change in use frequency, application of insulating systems to glass), process energy conserva-

tion improvements (use of ECRS methods to improve processes, addition of T4 furnace loading racks to increase processing volume and revamped CNC processing procedures), and establishment of dedicated bicycle parking facilities to encourage employees to ride their bikes to work. Since 2015, Merida's investment in environmental protection has totaled NT\$51.64 million, its power savings have totaled 1,988,299kw, its power saving rate has averaged 16.86%, and its carbon emission reductions have totaled 1,012,045kg.



▲ Merida obtained carbon footprint certification in 2012.



▲ Merida was awarded the EPA's Corporate Energy Conservation and Carbon Reduction award.



▲ Recycling of aluminum scrap has been implemented at Merida's plant.



▲ Merida has set up bicycle parking lots to encourage employees to ride to and from work.

## Taiwan Company News

#### Giant

Giant has been working for many years to establish and manage its YouBike public bicycle program, which is both an innovative business model and a circular economy paradigm. By embracing "leasing instead of buying," Giant's YouBike initiative has enhanced product use rate, energy conservation, and carbon emissions reduction which is fully keeping spirit with the circular economy. According to Giant Secretary, Chen Mei-hui, 8 cities and counties throughout Taiwan have established YouBike systems thus

far. YouBike bicycles have been used more than 400 million times, and their use has reduced carbon dioxide emissions by 60 million kilograms. In addition, Giant's recently-completed headquarters employs a green architectural design, and conserves energy by relying on large numbers of French windows on three sides of the building to provide lighting. Giant's process optimization efforts include the proactive replacement of highly power-consuming machinery. Finally, Giant employs reusable baskets instead of cardboard



▲ Giant PR, Irene Chen.

boxes in the shipment of goods and shipments from its suppliers.



▲ The YouBike system is world-renowned.



▲ Giant's headquarters is designed as a green building.



▲ FSA Saless and Marketing Manager, Ken Chen.

#### **FSA**

Responding to the environmental requirements of its European countries, FSA has striven to reduce the use of plastic, with bubble wrap in particular, in its packaging. As a result, FSA mostly uses recyclable materials such as paper instead of plastic packaging, and its vendors use reusable baskets instead of cardboard boxes when deliver-

ing supplies. Furthermore, FSA's plants have switched to energy-saving LED lighting and power-saving machinery in order to reduce their energy consumption. FSA is also working to boost the strength and sturdiness of its products in order to increase their usable life and reduce waste in the form of scrap.

#### **KMC**

In 2012, KMC became the world's first bicycle chain manufacturer to receive carbon footprint certification, formally beginning its carbon footprint era. KMC has established an internal team whose job is with working with task forces in the R&D, production and marketing departments to perform detailed planning and implementation of carbon emissions reduction plans. While working hard to enhance its green competitiveness, KMC has adopted a green pledge (the KMC Solution) calling for action to protect the environment and save the Earth. Both KMC Taiwan and



▲ In 2020, KMC 11-speed chain X11SL was awarded carbon footprint certification.

KMC is Europe have installed solar panels and are working to halve their waste output (reducing waste from 280 tons to 140 tons), KMC has also instituted greater local purchasing (for instance, KMC's Taiwan plant purchases 85% of its supplies and materials in Taiwan). Furthermore, KMC's Shenzhen plant is recycling metal scrap and particles from grinding and polishing operations by sending these materials to a building materials manufacturer for use in sidewalk tiles. Moreover, KMC sends hot water from heat treatment equipment to a boiler for reheating. The water is then used as washing water in employee dormitories. As for packaging, KMC has greatly simplified its packaging materials which has effectively reduced costs, and uses large amounts of polypropylene (PP). PP is the most recyclable type of plastic, has a higher recycling rate than plastic, and can be almost 100% recycled and reused.



▲KMC Spokesman, Jeter Chen.

Additionally, KMC is promoting cycling internally, and conducts 6-month 5% weight loss activities that promote dieting as a way to reduce carbon emissions. As very persuasive evidence of its environmental protection, KMC reduced its power usage by 6%, its water consumption by 4% and its waste output by 52% from 2018 to 2019. KMC also increased its local purchasing rate by 83% and enjoyed a 6% growth in after-tax net profit during the same period.

#### **Alex**

Bicycle rim producer, Alex, obtained Taiwan's carbon footprint certification label in 2012. Alex's buildings have also installed solar panels to save power. Alex's plants employ power-saving lighting and equipment, and the company recycles 100% of aluminum alloy waste from its own smelting plant. In addition, the company has held cycling activities throughout the last decade, and are vigorous promoter of cycling.



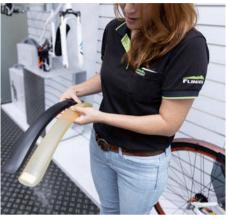
▲ Alex Executive Assistant of President, Morris Wu.

## Taiwan Company News

#### **Sunny Wheel**

Sunny Wheel began researching recyclable materials after an American customer required that Sunny Wheel use consumer-recyclable materials in its mudguards around a decade ago. After gaining a good understanding of the differences

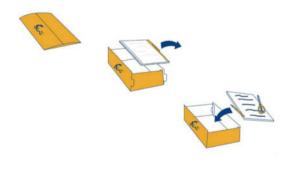




▲►Sunny Wheel Vice General Manager, Vivian Hsu showcases environmentally friendly fenders made from Meng Zong bamboo, and fenders made from 100% waste recycling.



▲ A fender product design that integrates product and packaging into one.



▲ The full 1 kg hardcover product catalog to be given to foreign customers will be changed into loose leaf that for added flexibility. Weighing only 300g to 400g, it helps customers reduce the weight of their luggage.

between consumer-recyclable materials and industrial-recyclable materials, Sunny Wheel ultimately overcame the problem of insufficient strength, and began using 100% consumerrecyclable materials to make its mudguard products. The company's product design and packaging also actively incorporates the environmentally-friendly, carbon emissions reduction, and waste reduction concepts. Apart from introducing 'the product is packaging, packaging is the product' product design thinking, Sunny Wheel has also overcome many difficulties to design bamboo mudguards, and has reduced product transport volume by decreasing the amount of materials and redesigning packaging containment methods. Sunny Wheel's most praiseworthy initiative is to encourage employees to ride bicycles to work by offering them a subsidy of NT\$3.5 per kilometer.

#### **Chien King**

Having introduced environmentally-friendly pedals made from waste rice husks in 2015, Chien King is a worthy model of the circular economy. For this transformation of waste into gold, the company was awarded the Green Award at Germany's Eurobike Awards and the Taipei Cycle Show's d&i Award. This product is still a favorite of European and American customers, and continues to be produced by the company.

Taiwan's bicycle industry possesses an unbroken supply chain extending through the stages of design, manufacturing, branding, and sales. It is also a leader of the international bicycle industry at all of these stages. Developing and promoting circular economy models can help to boost the cycle industry's international competitiveness, and lend it the image of exemplary sustainable development. In addition, the industry should take circular economy content as its product



▲ Environmentally-friendly pedals made from waste rice husks.

development specifications, and should promote the development and value enhancement of new materials on the basis of a circular economy perspective.

# China's Bicycle & E-Bike Statistics for 2020

Text: Editorial Dept.

ccording to statistics from the China Bicycle Association (CBA), China produced a total of 116.5 million bicycles and e-bikes during 2020, which represented a growth of 15.3% compared with 2019. The major bicycle companies had aggregated operating revenue of RMB 150.3 billion (up by 17.6%) and made a profit of RMB 6.12 billion (up by 11.4%). Despite the impact of the Covid-19 pandemic during the early part of the year, which put great downward pressure on sales, the bicycle and ebike industry quickly achieved a V-shaped recovery and has maintained a strong growth trajectory since the second half of the year.

# Double-digit production growth

China produced a total of 75.3 million bicycles during 2020, which represented a growth of 15.8% compared with 2019. China's e-bike output reached 41.3 million units and was up by 14.3% compared with the previous year. Production of both bicycles and e-bikes

quickly surged after the start of the third quarter, and both products enjoyed double-digit growth for the whole year. Major bicycle producers had sales revenue of RMB 57.7 billion for the year (up by 10.0%) and enjoyed a profit of RMB 2.21 billion (up by 17.3%). Major e-bike producers had revenue of RMB 92.6 billion (up by 22.9%) and a profit of RMB 3.91 billion (up by 8.3%) for the year. In particular, the fact that bicycle producers' profits grew faster than their revenue indicates a significant increase in profitability. E-bike producers had a profit rate of 4.2% for the year as a whole, which represented an increase of 0.3% for the period from January to November.

#### **Swiftly rising exports**

China's exports of bicycles, e-bikes, and parts earned the country a total of US\$7.88 billion during 2020, which represented a growth of 23.1% compared with 2019. China's bicycle exports of 60.3 million units were up by 14.8%, and export value (US\$3.65 billion) was

similarly up by 28.1%. Exports to the United States grew by 34.4%, and exports to the Philippines, Malaysia, Korea, Vietnam, and Australia also grew by double digits.

After exports of parts and components reached positive YoY growth in September, the growth rate continued to rise throughout the rest of the year. The value of part and component exports reached US\$3.41 billion for the whole year, which represented a growth of 15.6%. The largest export market for Chinese parts and components was Taiwan, which was followed by Germany, Indonesia, the Netherlands, and Brazil. While parts and component exports to most countries grew in 2020, exports to Indonesia and Cambodia enjoyed notably larger growth.

According to statistics from an industry survey, China exported a total of 2.02 million e-bikes during 2020, and this figure was up by 38.9% compared with 2019. These exported e-bikes had a total value of US\$821 million (up by 36.1%), and both export volume and value grew significantly compared with the previous year.



# Study Shows Growing Popularity in Electric Bike Sharing

Text: Editorial Dept.

s the pandemic reached America, many citizens in cities turned away from public transportation. In New York City alone, subway use dropped by 90%. Many people began looking for alternative means of travel while maintaining a safe social distance. Cities noticed a demand for alternative transport transit and began welcoming electric bike services to their towns. And, as you may have heard, their popularity went through the roof. Now, many people are opting for e-bikes rather than traditional bikes and even older forms of transportation.

# E-Bikes Make Headways in Major U.S.A. Cities

A recent article published in June announced a study done by NBC News that shows the growth of E-bike use in United States cities. The research analysed bike-sharing services such as BCycle and Lyft. It found that their usage increased significantly over the

last year. In May of 2020, e-bikes made up 240,000, or 11% of the bike share rides. Compared to a year later, which was more than three times the previous figure. Which resulted in 1.4 million rides, or 38% for May of 2021.

#### **Varying Degrees of Usage**

Although bike-share programs are not a new phenomenon, the addition of e-bikes are. With speeds that can reach up to 15 mph, or 24 kilometers an hour, riders can go farther and for longer periods with less exertion. However, some cities report more popularity compared to others with electric bike use. Central California's Bay Area saw e-bikes accounting for over 70% of trips in the surveyed months. Second to them is Minneapolis and Columbus, Ohio. Both maior tourist destinations where an estimated half of their users experienced an electric bicycle. Whereas in Philadelphia, they made up for a little more than 25% of ride-share use.

#### **Safety Concerns Arise**

However, the new rise in bicycles doesn't go unnoticed. The U.S. Consumer Product Safety Commission released a report in 2020 stating electric bikes accounted for 9% of transportation. Nevertheless, cities are finding ways to incentivize citizens to become a member of bike-sharing apps. Giving consumers less for rates of use per minute and eliminating other fees. Gia Biagi, the transportation commission for Chicago, says e-bikes offer an alternative for those who may have felt uncomfortable riding in a car. Biagi also predicts the bike-sharing program becoming more popular. Chicago is planning to add more e-bikes within the coming year.

Have electric bicycles made it to your city yet? If the answer is no, don't be surprised if there are some advanced changes to your mode of transportation.



# Pakistan Incorporates E-Bikes To New Climate Policy

Text: Editorial Dept.

In the first month of 2021, the National Climate Data Center announced that January was the seventh warmest month in the past 142 years. Though this number may not seem so grim, according to statistics done by NCEI scientists, 2021 is suspected to be one of the hottest on record. Consequently, many countries across the globe are beginning to make efforts to decrease the growing rise in climate temperature.

Pakistan is one example, among many, of governments committing to decreasing their carbon footprint. This news comes only a month after the NCDC announced that in June, Asia tied with their second-highest temperature since 2010. Imran Khan, the country's Prime Minister, hopes that the launch of the electric bike will set the country on an "eco-friendly" roadmap for future generations dealing with accelerating global temperatures. Especially with a growing population in major cities such as Peshawar, with almost 2 million residents.

Khan has launched a fiveyear Pakistan Electric Vehicles Policy, intending to target the growing electric vehicle market. Providing incentives to



▲ Pakistan Prime Minister Imran Khan.

manufacturers to participate in the new policy, the current government hopes this changes transportation. In addition to offering citizens the best of this new, enduring machinery, numerous models of the Jolta e-bikes have varying speeds. The Jolta can travel between 60 to 100 kilometers with a full charge. Khan notes that the new launch is the first step to devising "devise long-term policies on environmental protection to materialize the vision of a clean and green Pakistan, and pass on a liveable place to the coming generations."  $\otimes$ 





# EBFEC Broadens Production Across Continental Europe

Text & Photos: Editorial Dept.

EBFEC was founded in 2008 with its headquarters in Shenzhen, China. Their brands include EBFEC and PUREBIKE, which launched their electric bicycles in 2020. Furthermore, EBFEC opened their European factory last year too. Located on the Ode River in Wroclaw, Poland, the manufacturing site covers roughly 10,000 square meters. It also owns two professional lithium battery e-bike lines. EBFEC re-

ported an annual output of over 120,000 units.

EBFEC's success did not occur overnight. Merely six years ago, in 2015, EBFEC designed and developed their hidden and built-in e-bike battery. A year later the product design was adjusted, in hopes of solving a battery disassembly problem. In 2017, EBFEC celebrated with their success in obtaining European and domestic patent designs. That same



year, EBFEC also developed 2 generation products to help solve the problem of difficult assembly and maintenance. Further feats were achieved in 2018 and 2019. After solving their assembly and maintenance issue, in 2019 EBFEC designed









and developed their third-generation products. Simultaneously that year, EBFEC applied for a patent on their third-generation products and patented their products in Taiwan. Then, in 2020 EBFEC launched its factory in Poland.

In 2021 amid the growing demand for e-bikes and the rapid increase in orders, EB-FEC has decided to establish a joint venture with a local Parisian company. EBFEC hopes that with establishing a second location, production and quality will expand while working with their sister company in southwestern Poland, better serving

the European market.

With now two production factories in Europe, EBFEC is eagerly seeking a joint partnership with Original Equipment Manufacturers and Original Design Manufacturers. In hopes of quickly and effectively permeating the European market, EBFEC has established a sales-

wide network to carry out efficient branding operations. However, with the cooperation of ODM and OEM brand owners, EBFEC hopes to provide companies with one-stop services while guaranteeing high-quality production.





▲ ► Assembly lines.



▲ Measuring & QC.



▲ Rim building.



▲ Warehouse.



# Giant Group's E-Bike Squad Challenges Wuling

Text & Photos: Editorial Dept.

In recent years, challenging Wuling—the highest point on a paved road in Taiwan—on a bicycle has become a popular trend. While Wuling can also be approached from the east and west, the climb from the north is longest and most difficult. The northern approach takes Yilan as a starting point, and traverses the Xueshan and Hehuanshan ranges to Wuling, which is 3,275 meters in elevation. The total length of the northern route is



▲ 72-year-dd Giant President, Bonnie Tu.

cumulative climbing exceeds 6,000 meters.

In order to stimulate Taiwan's economy following the economic downturn caused by the COVID-19 pandemic, and to encourage people to ride bikes for recreation and travel, Giant Group President Bonnie Tu and CEO Young Liu lead a group of 15 Giant chief officers on a three-day two-night "Ebike Challenge of Wuling on the Northern Route." Having already completed the Wuling challenge once, Bonnie noted that her first trip up Wuling from the west on a road bike was an unforgettable if arduous experience. Apart from checking out the performance and



▲ Giant CEO, Young Liu.

advantages of Giant's e-bikes, in her eyes, the purpose the recent trip is to personally get out and do some domestic travel in hopes of inducing others to do so. In addition to doing her part to stimulate Taiwan's economy, she also hopes to publicize the benefits of healthy bicycle exercise and travel, and encourage



▲ Lishan Hotel.

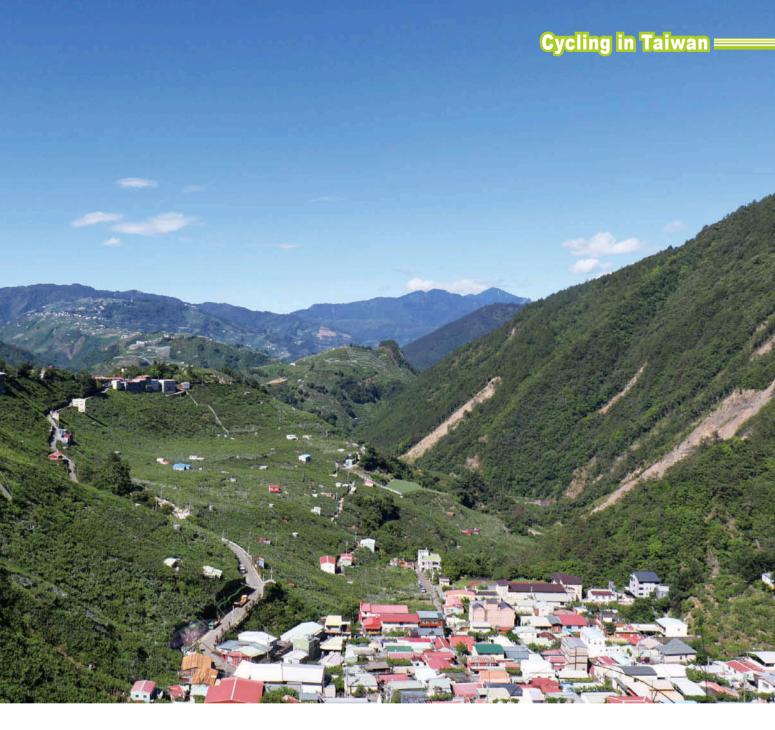






everyone to get outdoors on a bike, while also boosting their consumer spending.

According to CEO Young Liu, who led one-half of the group on this trip up Wuling, his sharing of the "Wuling eBike Challenge" with his wife and first-level managers at Giant interested everyone, enhanced team spirit, and gave the company a better understanding



of their product's performance. Young noted he hoped the event showed the public what e-bikes are capable of, as illustrated by the fact that every single participant, including men and women, young and old, successfully made it to the summit of Wuling. Riding a bicycle is great, and riding an e-bike is great fun, Young emphasized. Giant Taiwan GM Alice Chen

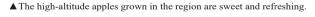
Said about the Wuling challenge, "The mountain seemed flat on an e-bike! Wuling is totally flat!"

The final 10 kilometers before the 10,744-foot summit at Wuling is a 15% gradient. It is tiring even for cars, let alone on a bike, and is nick-named "the road to heaven." Mounted on e-bikes, the members of the Giant team were able to enjoy

the celestial mountain scenery at their leisure on the way up. The e-bikes did so much of the work that many of the cyclists complained, "How come we arrived here so early?" Evidently they didn't get in enough active cycling nor any chance to show their cycling power! According to Bonnie, "Although I had bragged on the day before that I would ride up Wuling with the



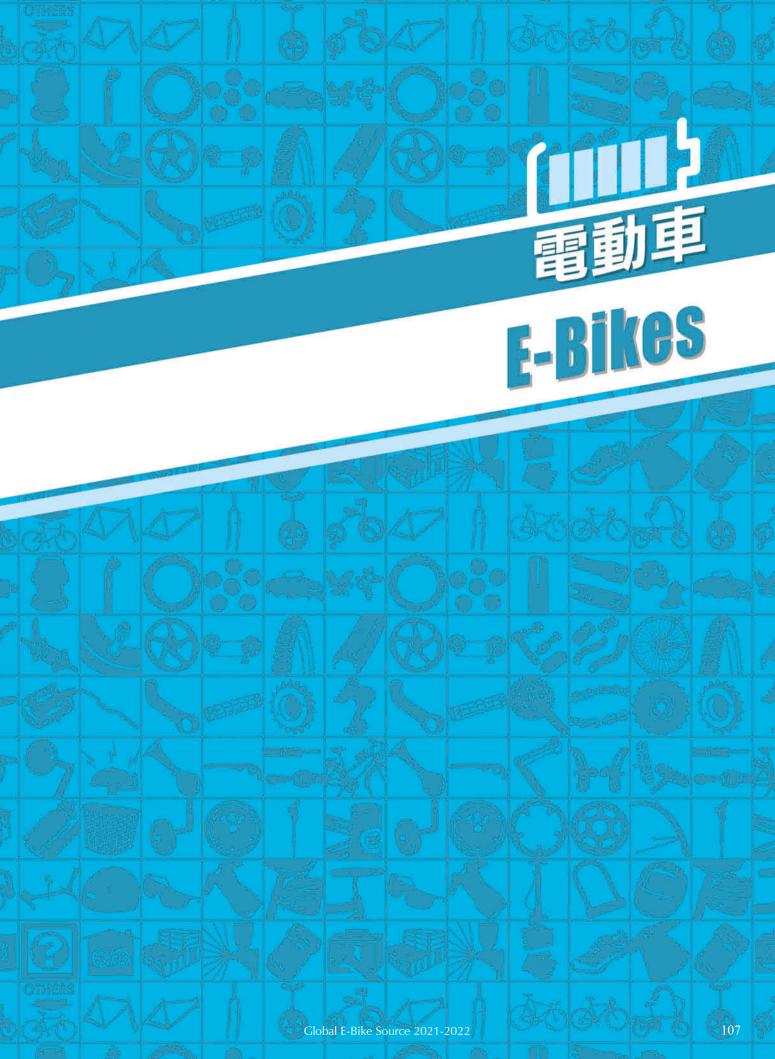






▲At a height of 3275m, riding to the Wuling mountain pass is spectacular but tough for most people; it's much easier on an e-bike.

greatest of grace and ease, I was still a tiny bit anxious about the magnitude of our undertaking. But on an e-bike, I discovered that I wasn't in the least winded. I just rode with a constant cadence, and it surprised me how soon we arrived. Everyone's strength is different, and someone might certainly choose to challenge Wuling purely under their own power. Wuling has some of the Taiwan's most spectacular scenery, and is practically a place of pilgrimage for cyclists who want to tackle the toughest challenge. But if a 72-year-old like me can make it up without any problem, I'm sure that anyone can!"





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見誠自行車(太倉)有限公司-CHINA

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E-mail : kenwu@acebike.com.cn jenny@acebike.com.cn ACETRIKES INDUSTRIAL CO.,LTD 見誠工業股份有限公司-TAIWAN

TEL: 886-4-8858121 FAX: 886-4-8851345

E-mail: albertyang@acebike.com.tw joanwu@acebike.com.tw



**E-SUS MTB 29"** 

Frame : ALLOY 29"

Fork: ROCKSHOX15MM THROUGH AXLE 29"

Motor : SHIMANO EP8 SERIES Battery : DARFON 504Wh Display : SC-EM800

Rear Derailleur : SRAM NX EAGLE Brakes : HYDRAULIC DISC BRAKE

#### FAT BIKE >>>

Frame : ALLOY 20"
Fork : 20" RIGID FORK

Motor: RM.G060.250D 36V250W

Battery: 36V\*10.4AH

Display : D15 LED . 36V . EN15194-2017 STD

Rear Derailleur : ARDFT35AD Brakes : DISC BRAKE



Frame : Alloy 26"

Fork: RENEGADE-COIL 26" THROUGH AXLE 15MM

Motor : SHIMANO EP8 SERIES

Battery: SHIMANO KBTE8036E 630Wh

Display : KSCE6100SH

Rear Derailleur : KRDM6000SGS Brakes : HYDRAULIC DISC BRAKE

#### CITY CONNECT >>>

Frame : 700C ALLOY Fork : SUS FORK Motor : KDUE5000 36V

Battery: BT-E8010, FOR STEPS, 504Wh

Display : SC-E6100 LCD

Rear Derailleur : NEXUS,7-SPEED

Brakes : HD-T285





#### EBFEC GROUP

FREE MOVEMENTS

WWW.EBFEC.EU

OEM service available









#### EBFEC GROUP Sp. Z o.o.

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# micro-mobility LASIMILE MADEEASY



www.fairlybike.com

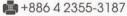




#### MANUFACTURE IMPORT EXPORT

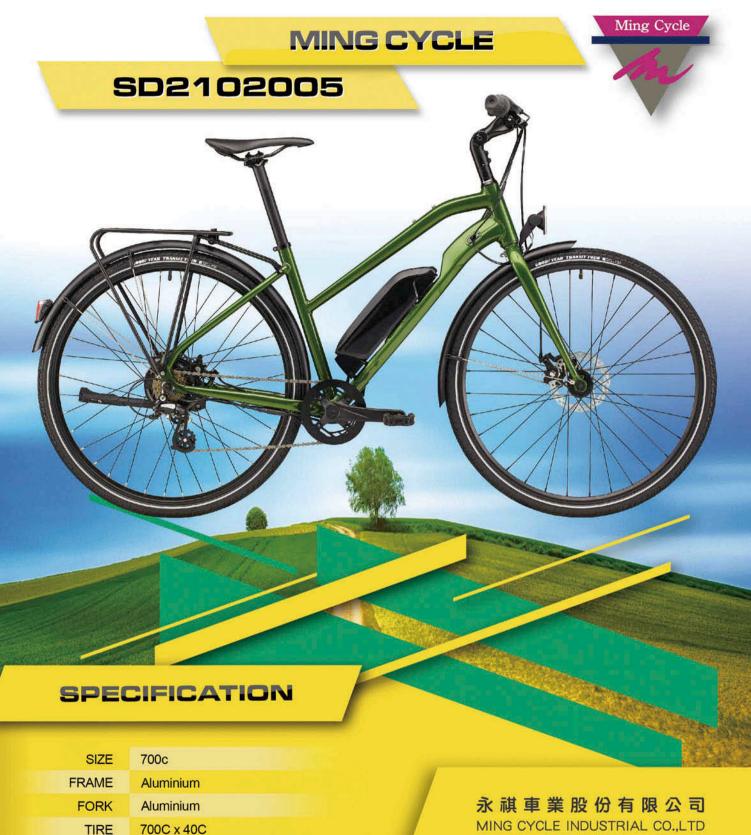






穎灃企業有限公司





CASSETTE

BRAKE

**MOTOR** 

BATTERY

WEIGHT

14-28T, 7-Speed

21.42kg

Tektro Mechanical Disc Brake

36V/374Wh Down tube type

MPS Energy RHMH2 36V 250W

台中市太平區光興路462巷50號

No.50, Ln. 462, Guangxing Rd., Taiping Dist.,

Taichung City 411, Taiwan

Tel +886-4-2271-3395 / Fax +886-4-2271-3398

E-mail: mingbike@ms9.hinet.net

www.mingcycle.bike



MOUNTAIN BIKE



12 speeds 48V 250W



9 speeds 48V 500W

#### **URBAN BIKE**



8 speeds 48V 500W



8 speeds 48V 500W



7 SPEEDS 36V 250W



## YOTA ASSEMBLER IN TAIWAN













#### E-Bikes Manufacturing Plants with Design, Development & Exceptional Products

YOTA, with locations in both Taiwan and China, is a 100% Taiwanese owned private company. It was established as a Taichung-based rubber electronic components company in 1991, branching out into a new E-bike manufacturer in 2020 with 30 years' management experience. ISO 9001, TS 16949, GMP certified, and working towards AS 9100 certification in 2021.

#### YOTA CYCLES CO., LTD



minchou@yotacycles.com

⊕www.yotacycles.com

嘉大企業股份有限公司 Yota Cycles Co., Ltd. 地址:台灣南投縣草屯鎮新豐路96巷96-2號 No. 96-2, Ln. 96, Xinfeng Rd., Caotun Township, Nantou County 542, Taiwan 金佑新材料科技 (海安) 有限公司 Yota Cycles Co., Ltd. 地址:中国南通海安市雅周鎮工業集中區 Centralized Industrial Development Zone, Yazhou Township, Haian City, Nantong City, China





#### The First China company who won the EU bicycle anti-dumping case.



**ATVO8-D** 

The rear triangle adopts X type cross reinforcement, the load is increased, Dual rear upper forks with dual shock absorbers make the bike more comfortable on rough terrain; There are also front suspension, middle suspension and other extended models of the version. And hydraulic disc brake has become the safety standard of this car.

#### ATVO6-X

The combination and optimization of the rear shock absorption system make this car an elegant full shock absorbance electric bicycle. In addition to the function of storage, the integrated aluminum alloy multi-functional storage box can also be used to place spare batteries and intelligent electronic control accessories, which can be used to lengthen the use and hiding of cycling mileage or space.





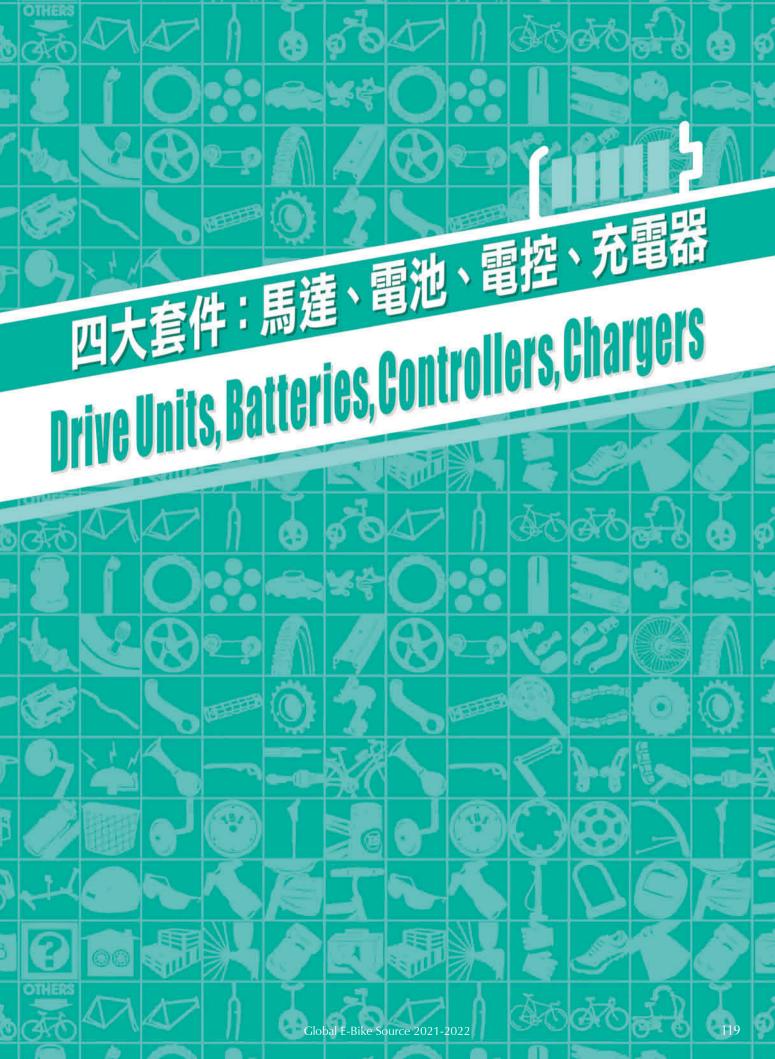
#### ZHEJIANG BAOGUILAI VEHICLE CO.,LTD

No. 2768 , South Erhuan West Road , Wucheng District , Jinhua city, Zhejiang Province, China , 321000











#### **NEW GENERATION BATTERIES**

- Complete 21700 Cell Compatible Batteries For Shimano New Generation System
- Range Extender Available







Gen. 626Wh



NEW 540Wh

Voltage Nominal Capacity Position

Dimension Weight

Communication Interface Compatible Motor

Range Extender Support

36V 23.2Ah Integration

410 x 90.4 x 72 mm

3.8kg

CANBus/ Uart

Shimano EP801, EP600

Yes

36V 17.4Ah Integration

410 x 78.2 x 63.8 mm

3kg

CANBus/ Uart

Shimano EP801, EP600

Yes

36V 15Ah

Integration

410 x 78.2 x 63.8 mm

3kg

CANBus/ Uart

Shimano EP801, EP600

Yes







Gen. 360Wh

E2C08



NEW 360Wh

Range Extender, E2C06

Voltage Nominal Capacity Position

Dimension Weight

Communication Interface Compatible Motor

Range Extender Support

36V 10Ah

Integration 365 x 68 x 64 mm

2kg

CANBus/ Uart

Shimano EP801, EP600

Yes

36V 10Ah

In Tube

391 x 58 x 52 mm

1.9kg

CANBus/ Uart

Shimano EP801, EP600

Yes

36V 10Ah

On Tube

303 x 100 x 79 mm

2kg

CANBus/ Uart

Shimano EP801, EP600

Yes

Customized Accessories
 Mount, Button, USB charger, Smart Functions

Global Service

#### YOUR TRUSTED BATTERY PARTNER



#### E6C06

Voltage **Nominal Capacity** Position Dimension Weight

**Communication Interface** Compatible Motor

Range Extender Support

756Wh

36V 21Ah Integration

493 x 78.2 x 63.8 mm

3.9kg

CANBus/ Uart

Shimano EP8, E7000, E6000

No



#### 720Wh E4C0G

36V 20Ah Integration

397.6 x 88.4 x 72 mm

3.8kg

CANBus/ Uart

Shimano EP8, E7000, E6000



#### 630Wh E5C05

36V 17.5Ah Integration

426 x 78.2 x 63.8 mm

3.3kg

CANBus/ Uart

Shimano EP8, E7000, E6000



#### 504Wh / 418Wh Fast Charger



Max. Output Watt 168W Output Max. Voltage 41.8V~42V 4A ~ 5.6A **Output Current** 



#### **USB Charger** Type C

Output 5V 1A USB Type-C Type Waterproof IPX7

Compatible Bosch / Shimano

Dimension Weight **Communication Interface** 

**Nominal Capacity** 

Voltage

Position

Compatible Motor

Range Extender Support

36V

14Ah / 11.4Ah Integration

358.7 x 78.2 x 63.8 mm

2.8kg

CANBus/ Uart

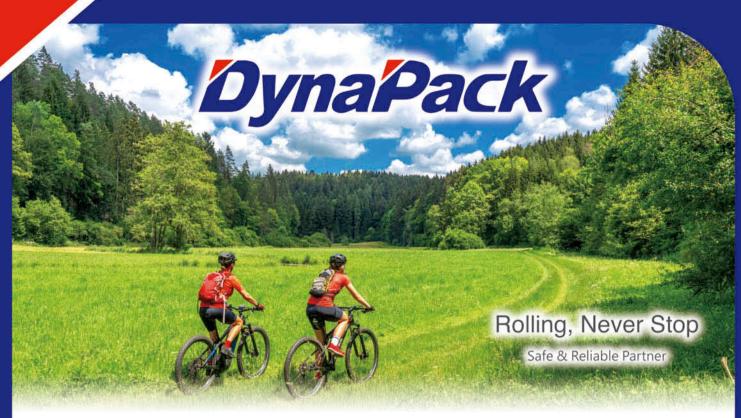
Shimano EP8, E7000, E6000

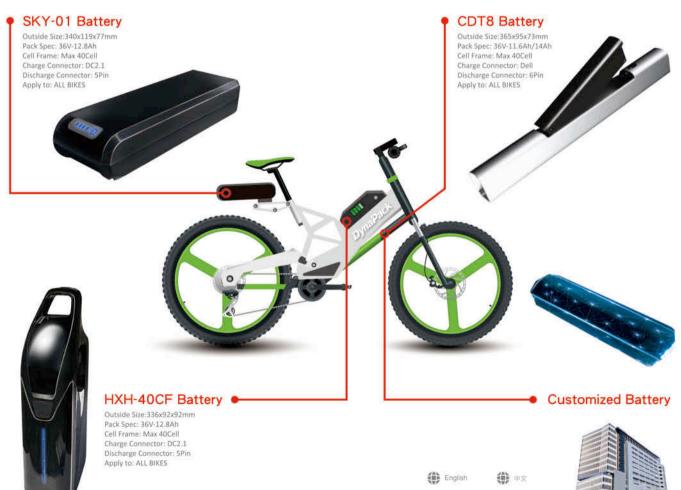
Yes / No

達方電子 Darfon Electronics Corp. Web: www.darfon.com

TEL: +886(3)250-8800 E-mail:Sales-1@darfon.com.tw







DynaPack International Technology Corporation

No. 188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan

📞 +886 396 3399 🗓 Contact : Sales@dynapack.com.tw

電話: 03-396-3399

DynaPack

Search A





#### ZZ420



Configuration: 10S5P / 13S4P Voltage: 36V / 48V

Capacity: Max 17.5 Ah Dimension: 387\*71\*91.5mm



#### ZZ625



Configuration: 10S3P / 10S4P

Voltage: 36V

Capacity: Max 15 Ah

Dimension: 360\*92\*90mm



#### DZ001



Configuration: 10S4P

Voltage: 36V

Capacity: Max 20 Ah

Dimension: 372\*97\*92mm



#### YJ201



Configuration: 10S3P

Voltage: 36V

Capacity: Max 15 Ah

Dimension: 426\*162\*60mm



#### NZ722



Configuration: 10S2P

Voltage: 36V

Capacity: Max 7 Ah

O.L.D100 \*P.C.D162\*Ф174mm



#### SH59



Configuration: 10S2P

Voltage: 36V

Capacity: Max 7 Ah

Dimension:  $\phi73.8*252.8$ mm







#### Greenway Technology Co., LTD.

Address: Tongsha Industry Park, Dongcheng District, Dongguan, China Tel: (+86) 769 27282088 Fax: (+86) 769 22290098

Email:info@greenway-battery.com Web:www.greenway-battery.com





## E-BIKE Smart Battery&Charger Solution and Manufacturer

**POWER YOUR LIFE** 



- With CANBUS/I2C/UART communication Protocols: cycle time, current, voltage, SOC, SOH can be read
- With LED power display
- Balancing charge function
- Over charge protection and overdicharge protection
- Intelligent dormancy and storage self discharge protection
- · Various abnormal intelligent LED lights flashing alarm mode
- Over-temperature protection (OTP), under-temperature protection (UTP)
- Short circuit protection
- Transient voltage surge protection
- RTC is supported, fault of the battery will be recorded





ISO13849 RoHS 1 € 5 (€ 18 18 DEC62133

YUNTONG POWER CO., LTD

Add: South China Modern Chinese Park, Nanlang Town, ZhongShan, GuangDong, China Tel: 86-0760-23699095

Fax: 86-0760-23699066

E-mail: info@spardbattery.com
Web: www.spardbattery.com





#### TARNG YU ENTERPRISE

- Connector Design and Manufacturing Company
- Manufacturing facilities in Taiwan and China
- LEVs Cable Solution





Tarng Yu Enterprise Co., Ltd No.43, Wuquan 6<sup>th</sup> Rd., Wugu Dist., New Taipei City 24889, Taiwan Email: harry@tyu.com.tw
Web: www.tyu.com.tw









Keep your e-bike talking to one another with multi-function waterproof cabling and connector from specialists Avertronics 30+ years experience



#### A1 waterproof connector

Terminal: 4 Pwr. pin & 8 Sig. pin (Customization available) IP rating: IP68 Current withstand: Pwr. Terminal 30A(Instantaneous peak current 40A) Sig. Terminal 2A Material of housing: PBT+GF15% UL94 V0

Material of gasket: Silicone rubber



#### **A3 Waterproof Connector**

Termial: 2 Pwr. pin & 4 Sig. pin IP rating: IP66 Current withstand: Pwr. Terminal 25A (Instantaneous peak current 30A) Sig. Terminal 10A Material of housing: PBT+GF15% UL94 V0 Material of gasket: Silicone rubber



#### **A7 Waterproof Connector**

Termial: 2 Pwr. pin & 4 Sig. pin IP rating: IP66 Current withstand: Pwr. Terminal 30A (Instantaneous peak current 40A) Sig. Terminal 10A Material of housing: PA66+GF15% UL94 V0 Material of gasket: Silicone rubber



#### **C2 Waterproof Connector**

Termial: 2 Pwr. pin & 8 Sig. pin IP rating: IP68 Current withstand: Pwr. Terminal 30A (Instantaneous peak current 40A) Sig. Terminal 2A Material of housing: PA66+GF15% UL94 V0 Material of gasket: Silicone rubber



#### D1 Waterproof Connector

Termial: 2 Pwr. pin & 6 Sig. pin IP rating: IP68 Current withstand : Pwr. Terminal 80A (Instantaneous peak current 90A) Sig. Terminal 2A Material of housing: PA66+GF15% UL94 V0 Material of gasket: Silicone rubber



#### D2 Waterproof Connector

Termial: 2 Pwr. pin & 8 Sig. pin IP rating: IP68 Current withstand: 100A(4AWG)120A(2AWG) (Instantaneous peak current 130A) Sig. Terminal 2A Material of housing: PA66+GF15% UL94 V0 Material of gasket: Silicone rubber



#### AVERTRONICS INC.

sales@avertronics.com

-Taiwan- Taichung Headquarter

Tel: +886 4 2358 1581 Fax: +886 4 2358 1828

No.10, Gongyequ 19th Rd., Nantun Dist., Taichung City 40850, Taiwan





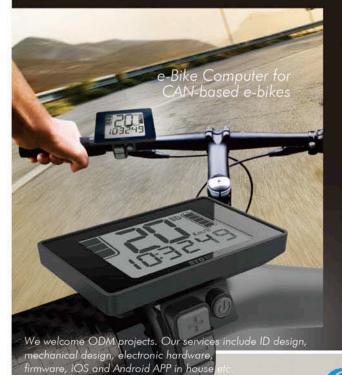
- Support ANT+ LEV profile
- Support ANT+ Power profile
- Support ANT+ C&S profile
- Support ANT+ Speed profile
- · Support Komoot App, Turn-by-Turn navigation
- · Use the swivel bracket, easy for installation
- Use CR2032 battery
- With EL backlight, support auto turn on the backlight 4 seconds after keypress or backlight always off
- · Clock only displayed when LEV100 was ON
- Waterproof: IPX7
- Battery Life: 7 months ( Used 1 hour per day ) (and during this 1 hour, backlight turn on 40 times<each time=4 seconds>)
- Battery Life: 9 months (Used 1 hour per day, when user make backlight always OFF)

8 Bluetooth



Komoot Turn-by-Turn Navigation

(Not Include Sensor)



#### **STD** 100

e-Bike Computer for CAN-based e-bikes

- · Designed for e-bikes that use CAN Bus communication protocol -- CAN 2.0A or 2.0B
- A simple but efficient design --

Featuring easy-to-read display, and easy-to-use buttons

- The LCD display shows four indicators that you use most commonly, including speed, bar-graph power assist level, bar-graph battery capacity, and one of the other functions.
  - \* You can select one of the following functions for the display.
- \* The other functions include battery remaining mileage, trip meter, odometer, riding time, average speed, maximum speed, clock and error code etc. The functions are optional and can be set by a setting box.
- · The ergonomic design of 4 buttons below the display lets you easily operate the computer with one thumb during riding or walking!
- The 4 buttons include: Up/down buttons for power assist level, push-walk button and Power on/off (or Mode) button. Backlight or headlight switch (on/off) is optional.
- · Built-in EL lamp backlight
- Waterproof grade: IPX7

ECHOWELL



#### Bofeili e-Bike System

#### 高性能中驱电机

#### **MID-DRIVE MOTOR SYSTEM**

- Patented central drive motor w/combined one axle & dual-direction ratchet
- Patented balancing torque sensor system integrated in B.B.
- High torque in low speed, less battery power required
- Keep your best frame design & Geometry
- Easy assembly and maintenance
- Multi Front Chain-rings allowed
- Flexible for custom designed battery & display

#### 力矩传感器

**BB TORQUE SENSOR** 





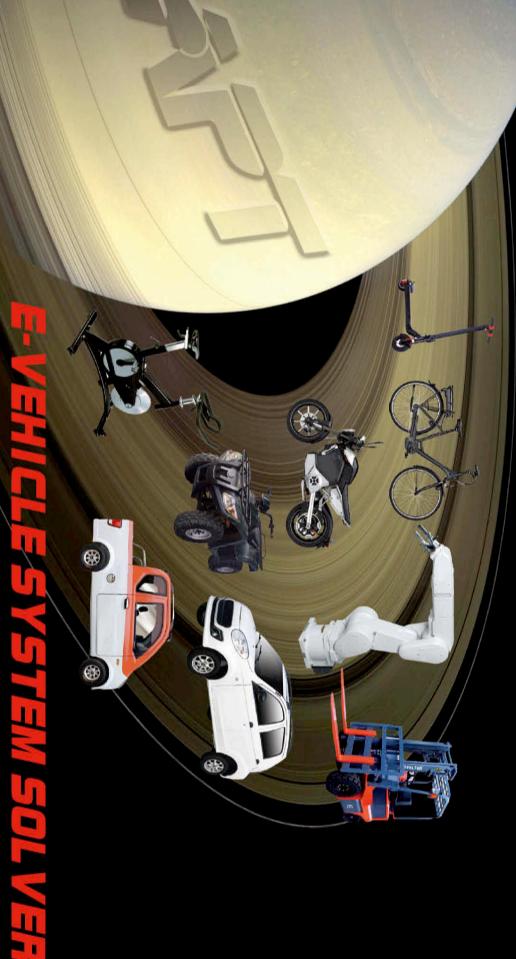


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安沛動力科技股份有限公司 Advanced Power Technology

# MOTOR DRIVE FORCE



#### China

上海市閔行區紫月路1000號123A室

Tel: +130-202-43743 +86-21-60526010

E-mail:ray@advpower.cn

#### Taiwan

35045苗栗縣竹南鎮建國路288巷80號

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#### EMPOVERING

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Rear Hub Motor FEATHERWEIGHT, COMPACT, YET POWERFUL 36V 250W (25~32km/h)

Size: Ø119mm Torque: 45Nm Weight: 2.0kg





DP30 display w/ RC30 remote

Bluetooth 4.0 Felxibility/ Ergonomic/ Intuitive Multi-mounting bracket





Responsive Double side BB

torque sensor

36 poles cadence sensor

Width: 68MM/ 73MM



**BL26** 

In-Tube Battery 10.4Ah/ 14Ah 374Wh/ 504Wh

JD Components Co., Ltd.
Tel: +886-4-2251 9325
Email: ebike@jdco.com.tw





### MES



#### www.necoparts.com



#### H322MP(NECO 2)

全隱藏式內走線碗組 Integrated Cable Routing Threadless Headset



#### H323MP(NECO 2-1)

半隱藏式內走線碗組 Semi-Integrated Cable routing Threadless Headset



Assembly Display



#### H299-2(NECO 7)

半隱藏一體式無牙頭碗 Semi-integrated Threadless One-piece Headsets



#### H51SR(NECO 8)

全隱藏一體式無牙頭碗 Integrated Threadless One-piece Headsets PAT.China M565669



#### Manual Pedals(NECO 5)

免工具拆裝腳踏 / Tool Free Product Features:

1.Decrease volume of storing bike 2.Decrease the risk of bike stolen PAT . Taiwan: 105211964

PAT . Taiwan:105211964 PAT . China:20162084817.X



Lock Headset (NECO 10)

車頭鎖碗組



Intelligent Protable Charger (NECO 3)

行動電源智能碗組













**MM18** Mid Motor 250/350/500W 3.6Kg



**MM28** Mid Motor 250/350/500W 3.6Kg





Hub Motor(Rear) /Disc Brake 180/250W 25~32Km/H;2Kg



#### M58CD

Hub Motor(Rear) /Disc Brake 350/500/750W 25~45Km/H;4Kg



#### M58RD-X

Hub Motor(Rear) /Disc Brake 350/500/750W 25~45Km/H;3.8Kg



Neco Technology Industry Co., LTD No. 190 Zhongzheng Road, Wufeng District, Taichung City 41362, Taiwan.

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A + 886 - 4 - 2332 2866

□ neco@necoparts.com 133



#### **DP MOTORS CO.,LTD**

No136 Jingguo Road, Dajia District, Taichung city Tel:+886 4-2676-0330 Fax:+886 4-2676-0332 E-mail:info@dpmotors.tw







Efficiency

(%)

80

Power (w)

200

Torque

(Nm)

>60

Speed

(kph)

≥25

Weight

(kg)

< 2.6

Front / Rear / Fat Bike Motor 250W~750W 36V/48V

EN15194 ISO13849







**M080MD** 



Power

(w)

250/350





≥80





Speed (kph) 25~32

Weight (kg) < 3.5

DP is proud to introduce its new generation mid motor for road bike.







Color screen panel

-LCD control panel

Controller 36V/48V

## YOUR LIFE

High-Torque Silence **Torque Sensor inside IP 65** 



Efficient traction motors: IP 65 2kW(Max 4.8kW), 48V, 16.5Nm / 4kW(Max 8kW), 48V, 27Nm / 3.8kW(Max 7.6kW), 72V, 27Nm

Weight: 3.6kg 250W; 580W(Max); 36Volt Max. RPM 130rpm;

#### **AbonMax**

銘旺科技股份有限公司 AbonMax Co.,LTD

No. 9, Ziqiang 4th Rd., Zhongli Dist., Taoyuan City 320023, Taiwan

#### ISO - 9001 /14001 /13485



Contact: Jeff Hsieh +886-928-546738 jeff\_hsieh@abonmax.com.tw

Max. Torqre 85Nm



Contact: Klaus Chen +886-938-009327 klaus\_chen@abonmax.com.tw



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 3F-6 No.304, Sec2, Liming Rd., Nautun District,
 Taichung Clty 408, Taiwan

#### E-BK01 (e-Bike)

RATED VOLTAGE: 24V/36V/48V RATED POWER: 250W/350W/500W SPEED (km/h): 25-35 BRAKE TYPE: V / BAND BRAKE NOISE (db): < 55 WATER PROOF: IP 54 CERTIFICATION: CE ROHS FOR FRONT/ REAR WHEEL



#### E-MT01 (MOTOR CYCLE)

RATED VOLTAGE: 48V~72V
RATED POWER: 800W-- 5500W
SPEED (km/h): 50-120
GRADEABILITY: 15° ~20°
BRAKE TYPE: DISK BRAKE
WHEEL AXLE (WIDTH):195 -200 MM
TIRE:13 "

#### E-BK03 (e-Bike)

RATED VOLTAGE: 24V/36V/48V
RATED POWER: 250W/350W/500W/650W
SPEED (km/h):25-35
BRAKE TYPE: V / BAND BRAKE
NOISE (db): < 55
WATER PROOF: IP 54
CERTIFICATION: CE ROHS
ONLY REAR WHEEL



#### E-MT04(MOTOR CYCLE)

RATED VOLTAGE: 48V~72V RATED POWER: 800W-- 3500W SPEED (km/h):40-70 GRADEABILITY: 15° ~20° BRAKE TYPE:DISK BRAKE WHEEL AXLE (WIDTH): 195-200 MM TIRE:12 "



#### E-BK05 (e-Bike)

RATED VOLTAGE: 36V/48V RATED POWER: 350W-- 1500W SPEED (km/h): 20-45 GRADEABILITY: 8° ~12° BRAKE TYPE: DISK BRAKE WATER PROOF: IP 54 FOR FRONT/ REAR WHEEL



#### E-SC02 (e-Scooter)

RATED VOLTAGE: 36V/48V/60V RATED POWER:500W/800W/1000W SPEED (km/h): 20-45 BRAKE TYPE: DISK BRAKE TIRE:12 " \*OPTION: 10" TIRE: 24/36/48V, 200/250/350W,25~35(km/h) 8" TIRE: 24/36/48V, 200/250/350W,25~35(km/h) 6" TIRE: 24/36/48V,

200/250/350W,25~35(km/h)



#### E-SC08 (14")

High Torque type Gear Ratio:(1:6.8) / (1:8.6) RATED VOLTAGE: 24V/36V/48V RATED POWER: 200 ~350 W MAX Torque(M.n): 40(M.n) BRAKE TYPE: DISK BRAKE Axle width: F/100mm , R/135mm



#### Accessory



## DISCOVER OUR WORLD OF CYCLING













Europe's No.1 Bicycle Magazines.

# 車架零件 Frames & Frame Parts





MODEL: KSFM46

E-BIKE 27.5 Plus & 29er compatible Type:

Size:

FSA HS ACR/int.NO.55R 1.5" / ACR / STD+TH-894-1 Headset:

Weave: **UDM Carbon Weave** O.L.D: 148\*12mm E-thru system Motor: SHIMANO EP800+E8036

Tire: 27.5 Plus\*2.8"(MAX) & 29"\*2.25"(MAX)

180mm\*180mm/180mm\*160mm/160mm(29")\*160mm Travel:

Seat Post: 30.9mm



MODEL: KSFM38

E-BIKE 27.5 Plus & 29er compatible Type:

Size: 16"/18"/20"

1 1/8"-1 1/2"(FSA NO.57) Headset: Weave: **UDM Carbon Weave** O.L.D: 148\*12mm E-thru system Motor: **FAZUA AVIATION** 

Tire: 27.5 Plus\*2.8"(MAX) & 29"\*2.25"(MAX)

Seat Post: 30.9mm



MODEL: KSFM35

E-BIKE Aero Road & Gravel compatible Type:

Size: 53/56/58cm

FSA HS ACR/int.NO.55R 1.5" / ACR / STD+TH-894-1 Headset:

Weave: **UDM Carbon Weave** O.L.D: 142\*12mm E-thru system Motor: **FAZUA AVIATION** 

700C\*38C(MAX) Tire: Seat Post: KSSP13(AERO) Optional==>KSFO34 Fork:



MODEL: KSFM34

E-BIKE Road & Gravel compatible Type:

Size: 49/52/58cm FSA NO 42/ACB Headset: Weave: **UDM Carbon Weave** O.L.D: 142\*12mm E-thru system Motor: **FAZUA AVIATION** 

700C\*38C(MAX) Tire: Seat Post: KSSP13(27.2mm) Optional==>KSFO33 Fork:

HUIZHOU KANG SHENG COMPOSITES TECHNOLOGY CO., LTD. Contact person:Mr.Zeng / Mr.Shen / Ms.Jessy E-mail: zeng@ksctec.com / shen@ksctec.com / ksc-jessy@ksctec.com Tel: 86-752-6865566 / 86-752-6865599 / Fax: 86-752-6865577 Add: No.26 South Boyi Road, Yihe Luoyang Town, Boluo Country, Huizhou City, Guangdong Province

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As E-BIKES get more sophisticated, So do hydroformed parts from A-FORGE

FIT 310-550mm Battery Length

Mono DT with **Excellent Stiffness For** Step Through Bike

> PATENT Seat tube

> > **European Patent** 3521152 China Patent ZL 2018 2 0210697.9

Designed For Modular **Charging Port** Installation To Help Rapid Assembly

**China Patent** ZL 2018 2 021238



**Down Opening** MTB & Trekking DT Available

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Innovation is Our Main Power

For Continuous Breakthrough.

#### SPECIAL MACHINES BUIT FOR **EBIKES & POWER TUBES.**

- .7-Axis 3 Stations Laser Cutting Machine
- Diameter ≤150mm Butted Machine
- Diameter ≤150mm Concave Hwad Machine
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- High-speeed CNC Machine Center For Mould

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DU-E8000 motor with Darfon

630Wh battery.

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with Darfon 630Wh battery.

# 第 豹 运 动 自 行 车

FB-35 E MTB Hardtail



Weight (15") Wheel Size Headset 1250±40g 650b x 2.4" Max 1-1/2",1-1/2"

Moto system Battery Yadea F3 36v/400w 36v/14Ah/504wh

FB-56 E MTB Suspension



Wheel Size

Wheel Tire

29 & 27.5" 29 x 2.6" and 27.5 x 2.8"

Headset Moto system internal cable routing

Moto syst Battery Travel Bosch Gen5 CX Bosch PT 750WH 150mm front & rear

Dropper Post Disc rotor

Boost

31.6mm 203mm

203mm 12×148m

FB-47A Endurance Road Disc Thru Axle

FB-48 Aero Road Disc Thru Axle

FB-30 All-Round RoadDiscThru Axle



Frame 1070±40g Fork 388±10g

700c x 32c

TOKEN(UP 1-1/2"+DOWN 1-1/2")

Bottom Bracket 1.37×24T×68 (BSA)

1

Weight (L) Frame 900±40g Fork 330±10g
Wheel Size 700 X 32c

Headset TOKEN(UP 1-1/2"+DOWN 1-1/2") Bottom Bracket BB86.5 X 41mm

Weight (L) Frame 790±40g Fork 330±10g
Wheel Size 700 X 32c

Headset TOKEN(UP 1-1/2"+DOWN 1-1/2")

Bottom Bracket BB86.5 X 41mm

## 山东省乐陵市高新技术开发区(四号路西侧)

High&New Technology Deve lopment Zone(West of No.4Road)Laoling City .Shandong CHina

Weight (M)

Wheel Size

Headset

## 东泰山瑞豹复合材料有 限公 Shandong TaishanRuibao Composite Material Co.Ltd







Weight Wheel Size 1250±40g 650b x 2.4"Max

1-1/2" Headset

92 x41mm/BSA **Bottom Bracket** Vinka S20 Motor system

Weight (M) Wheel Size

Headset

Motor system

Frame 1650g Fork450g

700c x35c up 1-1/2"-Down,1-1/2"

**FAZUA** 

1235 ± 40g +Fork 390 ± 15g Weight (54cm)

Wheel Size 700c x32c Headset 1/2",1-1/2"

**Bottom Bracket** BB86.5 x41mm Motor system

Mahle ebikemotion X35

FB-54-MTB 29" Hardtail Thru Axle



**FB-55 Tourist Gravel** with flat bar



FB-60A Time Trial



Weight(M) Wheel Size SL 950±40g EL 1250±40g

29 x 2.4" Max Headset 1-1/8"1-1/2"

Bottom Bracket BSA 1.37x 24Tx 73Lmm

Boost 12×148 Weight (M") Wheel Size

1200±40g 650b x 2.0" Max 1-1/2"1-1/2"

Headset

**Bottom Bracket** BSA 1.37x 24Tx 68Lmm Weight (54cm) 1380±40g + Fork 680±15g

700c x 28c Max Wheel Size Headset 1-1/8", 1-1/8" Bottom Bracket PF30x 68mm

Professional aluminum alloy frame design and manufacturing, customized, modular Vehicle types cover the front, middle and rear motor configuration,
Mountain bike, road bike, folding bike and tricycle
Stand No. HALL 3 B3-204



#### **ZHEJIANG XIANGYI VEHICLE CO., LTD**



# E-BIKE THE CATALOGUE











## E-Cargo

#### OS-D63W82

#### Steerer tube

1 1/8 (Alloy)

1 1/8"-1 1/2"(Alloy)

1 1/8"(Cr-MO)

1 1/8"(Steel)

Wheel size

700C Option

Pos Mount Flat Mount

Pivot Roller

## E-bike

## OS-D63W100

### Steerer tube

1 1/8 (Alloy) 1 1/8"-1 1/2"(Alloy)

1 1/8"(Cr-MO)

1 1/8"(Steel)

Wheel size

700C Option

Pos Mount Flat Mount



E-bike

OS-D60W86 Steerer tube

1 1/8 (Alloy)

1 1/8"(Cr-MO)

1 1/8"(Steel) Wheel size

Pos Mount

Flat Mount

700C

Option

1 1/8"-1 1/2"(Alloy)

## E-bike

## OS-D62W87

#### Steerer tube

1 1/8 (Allov)

1 1/8"-1 1/2"(Alloy) 1 1/8"(Cr-MO)

1 1/8"(Steel)

Wheel size 700C

Option

Pos Mount Flat Mount



### OS-D57W57

Steerer tube

1 1/8 (Alloy)

1 1/8"-1 1/2"(Alloy)

1 1/8"(Cr-MO)

1 1/8"(Steel)

Wheel size

700C

Option

Pos Mount

Flat Mount



## H30S-E580

Steerer tube 1 1/8"(Alloy) Ø 55 Steel Blade

Wheel size 26"

Droput Forged

Travel

30mm

Seat Post

Diameter

Weight

**Body Meterial** 

Quick Release Hand bar





Public-bike





Travel Length

**Sharf Meterial** Surface treatment

30.9mm 507g AL6061 AL6069

120mm

405.5mm

Anodized.

Hard Anodized

良豐機械股份有限公司 LIANG FENG MACHINE CO. LJD.

地址:43770台中市大甲區東一街3號 No.3, E. 1st St., Dajia Dist., Taichung City 437, Taiwan

Liang Feng



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## **BLADE110-15**

CATEGORY E-MTB / 29" & 27.5"+ **CROWN PITCH** 140 mm **STANCHION** 34mm Steel QPQ Black Aluminum 15x110 mm CASTING Bolt-Axle Hydraulic Lock-out, **FEATURE** Coil Spring

120,130,140,150 mm



Magnesium 15x110mm

Bolt-Axle Hydraulic Lock-Out **FEATURE** Air Spring 100, 120, 130, 140 mm TRAVEL(mm)



PORTER				
CATEGORY	GARGO / 20"			
CROWN PITCH	125 mm			
STANCHION	30mm Steel CP Finish			
CASTING	Magnesium 15mm Bolt-Axle / 9mm Open Dropout			
FEATURE	N/A			
TRAVEL(mm)	40, 60, 80 mm			



TRAVEL(mm)



PU	NF2E SA		
CATEGORY	E-TREKKING / 29"		
CROWN PITCH	130 mm		
STANCHION	30mm Steel QPQ Blac		
CASTING	Aluminum 9mm		

Open Dropout Hydraulic Lock-out, **FEATURE** Air Spring TRAVEL(mm) 50, 60 mm



CASTING



VIVAIR E-15					
CATEGORY CROWN PITCH	E-TREKKING / 700C 130mm				
STANCHION	30mm Steel QPQ Black				
CASTING	Aluminum 15mm Bolt-Axle / 9mm Open Dropout				
FEATURE	Hydraulic Lock-out, Air Spring				
TRAVEL(mm)	50, 60, 80 mm				





AVALON				
CATEGORY	E-TREKKING / 26"			
CROWN PITCH	130 mm			
STANCHION	30mm Steel CP Finish			
CASTING	Aluminum 15mm Bolt-Axle /			
	9mm Open Dropout			
FEATURE	Hydraulic Lock-Out			
TRAVEL(mm)	50, 60, 80 mm			

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## NR-AL-196BT FOV/EN15194



**TDS-D642-8 FOV** /EN15194







SPD-802/ CH-188DS AMS ISO-C /EN15194



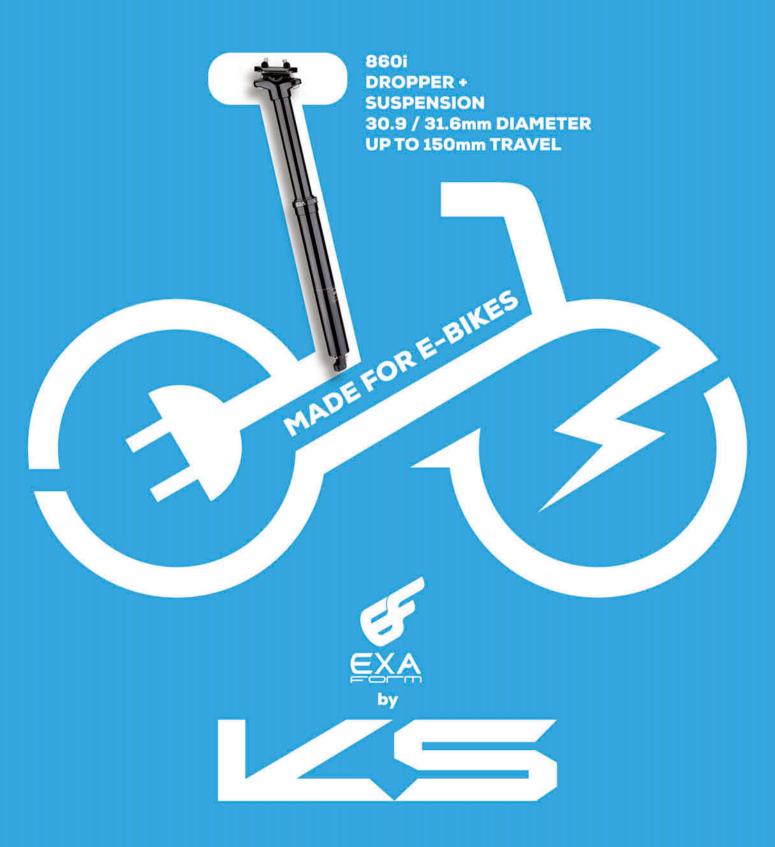
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**E-BIKE TIRE** 

# REVOLUTION

## E-MTB



REGOLITH

29x2.60 27.5x2.60 29x2.40 29x2.20

K1214E

27.5x2.40 27.5x2.20

K1211E

29x2.60 27.5x2.60 **NEVEGAL 2** 29x2,40 27.5x2.40 27.5x2.20 29x2.20

27.5x2.80

K1201E

HELLKAT

29x2.60 27.5x2.60 29x2.40 27.5x2.40 27.5x2.80

IIHELLKATERO (SILSO)

K1184/K1184A 27.5x3.00

27.5x2.80

HAVOK

27.5x2.80 27.5x2.60

K1150 27.5x2.35

**NEVEGAL X** 

K1127B 27.5x2.40

**HONEY BADGER DH** 

## E-50



**KWICK DRUMLIN** 

K1216 700x50C 27.5x2.20 700x45C 27.5x2.00 27.5x1.75 700x42C 700x40C 26x2.20

700x38C 26x2.00 700x35C 26x1.75

**KWICK JOURNEY** 

K1129 700x50C 700x32C 26x1.35 700x45C 27.5x1.75 24x1.75 700x42C 27.5x1.50 20x1.75 700x40C 26x1.95 700x38C 26x1.75 700x35C 26x1.50 20x1.35

**KWICK NINE/SEVEN.5** 

**KWICK TWO/FOUR** 

**KWICK SIX** 

K1052E 29x2.40 27.5x2.40 29x2.20 27.5x2.20 29x2.00 27.5x2.00 27.5x2.60 27.5x1.75 20x1.75 24x1.75 26x1.75

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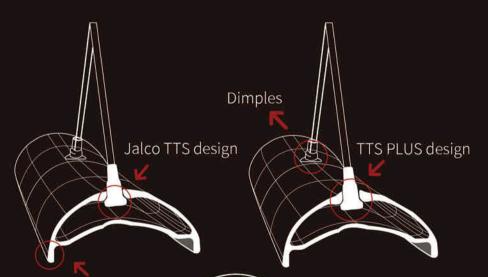


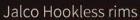
## ► Hookless rims & TTS design

Jalco TTS ( USA and Germany patents )
TTS = Tension-Torsion Stability system

Jalco TTS Plus

TTS Plus = Tension-Torsion Stability system + Dimples







Jalco TTS design

USA patent : US 2013/0169029 A1 Germany patent : DE 20 2012 105 076 U1







展輪工業股份有限公司 TEL: 04-7870767

peter@jalcorim.com price@jalcorim.com



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電話:04-25606996 傳真:04-25606886

信箱:bearpawls@bearpawls.com.tw

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Taichung City 42872, Taiwan TEL:+886-4-25606996

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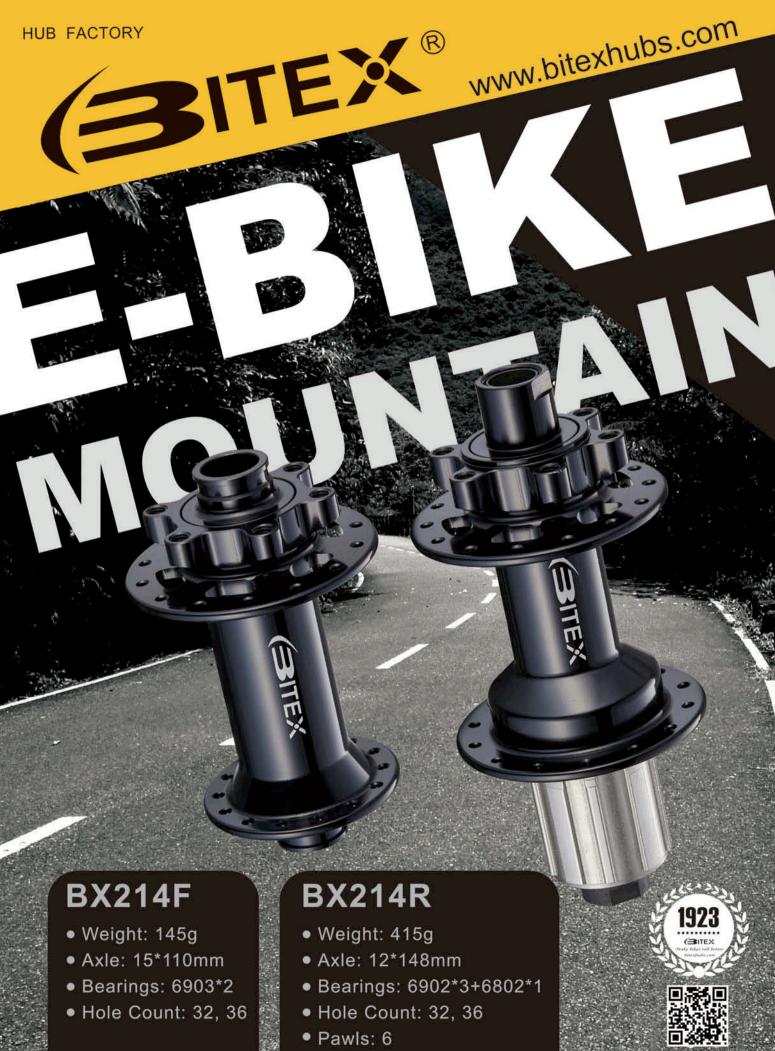






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#### SAZbike

Mr. Eric Wollenberg Tel.: ++49-731-88005-8612 wollenberg@saz.de www.sazbike.de





## MTB DISC HUBS



MT-009F Body Material: AL6061 Axle Material: AL7075 O.L.D: 100mm

Spoke: 14g\*24/28/32/36H Weight: 154g Bearing: Sealed Bearings x2

MT-009R AL6061 AL7075 135/142mm

14g\*24/28/32/36H 271g Sealed Bearings x4



MT-009FCB

Body Material: AL6061+CARBON Axle Material: AL7075 O.L.D: 100mm Spoke: 14g\*24/28/32/36H Weight: 153g Bearing: Sealed Bearings x2 AL6061+CARBON AL7075 135/142mm 14g\*24/28/32/36H 263g Sealed Bearings x4



MT-039F

Body Material: AL6061 Axle Material: AL7075 O.L.D: 100mm Spoke: 14g\*24/28/32/36H Weight: 159g Bearing: Sealed Bearings x2 MT-039R

AL6061 AL7075 135/142mm 14g\*24/28/32/36H 298g Sealed Bearings x4

## **ROAD DISC HUBS**



MT-018FA

Body Material: AL6061 Axle Material: AL7075 O.L.D: 100mm Spoke: 14g\*24/28H Weight: 136g Bearing: Sealed Bearings x2 MT-018RA

AL6061 AL7075 135/142mm 14g\*24/28H 247g Sealed Bearings x4



MT-031FA

Body Material: AL6061 Axle Material: AL7075 O.L.D: 100mm Spoke: 14g\*20/24/28H Weight: 115g Bearing: Sealed Bearings x2 MT-031RA

AL6061 AL7075 135/142mm 14g\*20/24/28H 225g Sealed Bearings x4



MT-032FB

Body Material: AL6061 Axle Material: AL7075 O.L.D: 100mm Spoke: 14g\*20/24/28H Weight: 108g Bearing: Sealed Bearings x2

NEW

MT-032RB AL6061 AL7075 135/142mm 14g\*20/24/28H 225g Sealed Bearings x4

## **ROAD HUBS**



RT-010F

Body Material: AL6061 Axle Material: AL7075 O.L.D: 100mm Spoke: 14g\*18/20/24H

Weight: 80g Bearing: Sealed Bearings x2

RT-002R

AL6061 AL7075 130mm 14g\*24/28/32H 190g Sealed Bearings x4



Body Material: AL6061 Axle Material: AL7075 O.L.D: 100mm Spoke: 18/20H Weight: 95g Bearing: Sealed Bearings x2 RT-030R

AL6061 AL7075 130mm 20/21/24H(2: 1)



RT-035RCB AL6061+CARBON AL7075

Weight: 109g 218g Sealed Bearings x4 Bearing: Sealed Bearings x2

130mm 21/24H(2: 1)

祥躍運動器材太倉有限公司

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**BMX HUBS** 



## **FIXED GEAR HUBS**



GT-002F Body Material: AL6061 Axie Material: CR-MO O.L.D: 100mm Spoke: 14g\*24/28/32/36H Weight: 236g Bearing: Sealed Bearings x2 GT-002R AL6061 CR-MO 120mm 14g\*24/28/32/36H

GT-010F Body Material: AL6061 Axle Material: CR-MO O.L.D: 100mm Spoke: 14g\*20/24H

Weight: 225g Bearing: Sealed B

**FOLDING BIKE HUBS** 

**GT-010R** 

AL6061 CR-MO 120mm 14g\*20/24H 285g Sealed Bearings x2

GT-017F Body Material: AL6061 Axle Material: CR-MO O.L.D: 100mm

AL6061 CR-MO 110mm 14g\*32/36H Spoke: 14g\*32/36H Weight: 300g Bearing: Sealed Bearings x2 523g Sealed Bearings x4

GT-017R

## **FAT BIKE HUBS**



MT-047F Body Material: AL6061 Axle Material: CR-MO O.L.D: 135mm

Spoke: 14g\*32/36H Weight: 338g Bearing: Sealed Bear

MT-047R

AL6061 CR-MO 175/190r 175/190888 14g\*32/36H 542g Sealed Bearings x2 FT-003F

Body Material: AL6061 Axle Material: AL7075 O.L.D: 74mm Spoke: 14g\*20/24H Weight: 59g Bearing: Sealed Bearings x2 FT-003R

AL6061 AL7075 130mm 14g\*24/28H 192g Sealed Bearings x2





FT-020R

Body Material: AL6061 Axle Material: AL7075 O.L.D: 85mm Spoke: 14g\*20/24H Weight: 195g Bearing: Sealed Bear

FT-020RA AL6061 AL7075 85mm 14g\*20/24H 175g Sealed Bearings x4

## Freehub body



MT-001F

Body Material: AL6061 Axle Material: CR-MO O.L.D: 100mm Spoke: 14g\*24/28/32/36H Weight: 245g Bearing: Sealed Bearings x2 MT-001R AL6061 CR-MO 135mm 14g\*24/28/32/36H 453g Sealed Bearings x2



RT-039F

Body Material: AL6061 Axle Material: CR-MO O.L.D: 100mm Spoke: 14g\*20/24/28/32H Weight: 165g Bearing: Sealed Bearings x2 RT-039R AL6061 CR-MO 130mm 14g\*24/28/32/36H 395g Sealed Bearings x2 TC-019 AL7075 74g M44X57T shimano 12S



TC-007 AL7075 72g M44X57T shimano



TC-007 AL7075 65g M44X36T XDR

祥躍運動器材太倉有限公司

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郵箱: ARC\_bike@126.com 網站: www.arc-china.com

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E-mail: ARC\_bike@126.com Web: www.arc-china.com

騏鵬國際有限公司 编號:56602497 電話: +886-4-7681768 Qi Peng International Co., Ltd. Tax ID : 56602497 Tel : +886-4-7681768

## RAKAC



RAKAC = "WARRIOR" in Taiwanese oriental people's language. Having strong reputation for our hub, this is how YU-HUB named it. RAKAC brings the fast and accurate position while engaging by each perfect teeth on the drive system. RAKAC comes less than two degree for one engagement, and every movement is sensed gently. For whole series, there are MTB, BMX and Dirt specification for choosing.



**Develop X Design X Produce** www.yuhub.com.tw RAKAC BOOST-MTB-SH RAKAC BOOST-MTB-XD **RAKAC BOOST-MTB-MS** 





**RAKAC MTB-01** 

REF NO.	Holes	SPEC	NOTE	S.B	Weight
· FT-13510	32H	M10*135W	10T	5PCS	397g

## RAKAC BOOST-MTB-SH/XD/MS

REF NO.	Holes	SPEC	NOTE	S.B	Weight
FT-14812	32H	M12*148W	SHIMANO, XD, MICRO SPLINE12S	5PCS	394g

## **E-Bike Front Transmission Parts**

Design front transmission parts compatible with Bosch/Shimano/Yamaha/Brose/Bafang....etc.



BAFANG M800/M600/M500 M420/M400/M300



BOSCH GEN4 BHV04



BOSCH GEN3 BHV03

EC33



COMP VK180



FAZUA FZV01



SHIMANO E8000/7000/6100/5000 SHE80/SHE70/SHE/61/SHE50



YAMAHA PW-ST(V1)/PW-X(V2) YAV01/YAV02

Bosch Gen2, Continental, Nidec, DAPU, Ananda are Campatible







ET39-BFG



EC38









crankarm E7

E-Bike Carbon

E-Bike Carbon crankarm F7-S1

• M8x0.75

(L. 7.5/8.5/10/14/16mm)

E-Bike Carbon crankarm E7-S2

Noted: Crankarmoffset Option: F0, F2, F5, F9, F10, F13, F17, F20, F25, F30 Interface Option: JIS, ISIS, BNI, SML, BFG (Bafang M800)

E-Series	Model #	Teeth Combination	BCD	Chainline
	23101CS	36/22	104/64	49 or 52
	23901CS	36/26	104/64	49 or 52
	23001CS	38/24	104/64	49 or 52
MTB	24201CS	38/28	104/64	49 or 52
	21701CS	40/28	104/64	49 or 52
	24001CS	44/32	104	49 or 52
	24501CS	42/28	104/64	49
Trekking	24601CS	44/30	104/64	49
	24101CS	48/36	104	49
	20801CS	53/39	110	44
	23301CS	52/36	110	44
	22001CS	50/34	110	44
Dood	22701CS	48/36	110	44
Road	23201CS	48/32	104/64	44
	21901CS	46/34	110	44
	25501CS	46/30	104/64	44
	25601CS	44/28	104/64	44

9	Mark Control (	BCD104	BCD130	
	E-Series	Teeth number	Teeth number	
	1/8" 3/32" 11/128"		40-53	
	Narrow Wide Teeth	32-48		
		July .		
	Photo	100		
		<b>10</b>	V	
	Chainguard Option	32-48	40-53	
	Photo			
	NOTE : NWseries Chainn	ingis only Available for Ever	Teeth	

	JIS Spindle Bolt	ISIS Spindle Bolt	Spindle Bolt For Br	VI .
9	04	0 3	<b>0</b>	1
	BL-S01	BL-S02	BL-S03	
	Spindle Bolt For S	Shimano	Self-extracing spindle bolt	
			00	
	BL-A06		BL-S04-A(RH) BL-S04-B(LH)	
	Spindle Bolt for Baf	ang M800	Chainring Bolt & Nut	
	9		had	

BL-A10(RH) Double Chainring Option: Specs: Larger Alloy Ring/ Smaller Steel Ring **CARBON CRANK ARMS** DIRECT MOUNT ONE-PIECE CHAINRINGS

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## EBIKE Parts: Cranks / Spider





**EB05** 

















H8	rd Spindle	- Puritamen	
ПО	пто	H15	
JIS	BNI	ISIS	



BAFANG Torque sensor M300/M400/M420 M500/M600



BOSCH Gen 3 / Gen 4



LDS Torque sensor



BROSE EM05



SHIMANO E5000/E6100/E7000 E8000/EP8



DP M065 M080



SHENGYI EM26B



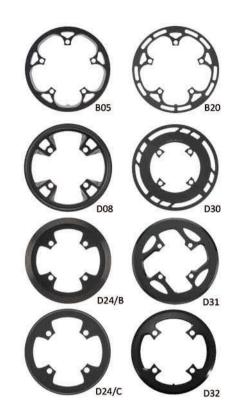
FAZUA EM14A



YAMAHA PW-ST/TE/PTW-X

- \* For more other e-system, please enquire.
- \* Spiders offer different Chainline/offset, please enquire for accurate model number.
- \* Needs for custom spider are welcome.

	Model	Material	For ring size
BCD130mm	B05	Alloy or Steel	42T/44T/46T 48T/50T/52T
	B20	Alloy or Steel	46T/48T
	Model		For ring size
	D08	Alloy	38T/42T/44T
	D24/B	Alloy	42T/44T
	D24/C	Alloy	38T
DCD101	D30	Alloy	46T/48T
BCD104mm	D31	Alloy	46T/48T
	D32	Alloy	38T/42T/44T
	D36	Alloy or Steel	38T
	D38	Alloy	38T/42T/44T



		Chain	ring (	Option	S		
	Narrow w	ide for 9 / 10/	11 / 12 speed	are workable	with KMC/SHIMAN	O/SRAM chain	
	Standard teeth(R) Wide Teeth(W) Steel Steel		Narrow Wide(N) Steel or Alloy				
Teeth style	-				<b>***</b>		
Teeth size	For 7	/8/9's	For 9	′10/11's	11's /12's are	re different	
	BCD130	BCD104	BCD130	BCD104	BCD130	BCD104	
32T	v	v				٧	
34T	V	v				٧	
36T	v	V				V	
38T	V	v		v		٧	
40T	v	v				V	
42T	V	V		v		٧	
44T	V	v		v		V	
46T	v	v			V	V	
48T	v	v		v	V	v	
50T	V	V			V	V	
52T	v	٧			v	٧	
56T	v	V			v		
58T					v		





TAIWAN 輪離股份有限公司 No 36 / 20th Industrial Rd Taiping Citry Taichung

Taichung Tel +886-4-22712969 Fax +886-4-22712979 Email lunge@lasco.com.tw 無錫萊斯克精密機件有限公司 No.9 Fu-Rong Rd Dong Bei Tang Town Xishan Park Wuxi Jiangsu Tel +86-5108377-9078 Email funchi@lasco.com.tw

## **JUNIOR**



#### WESTY

BCD | DIRECT MOUNTING SYSTEM RING | ALLOY NARROW WIDE SIZE | 32T, 34T CRANK | FORGED ALLOY LENGTH | 115 ~ 155MM/EVERY 5MM



#### FM2532GA0

BCD | 104MM RING | 1/8" OR 3/32" STEEL OR ALLOY SIZE | 32T, 34T, 36T, 38T COVER | GAO ALLOY / GSO STEEL CRANK | FORGED ALLOY LENGTH | 115 ~155MM/EVERY 5MM



#### FM26E30X

BCD | 96MM RING | ALLOY NARROW WIDE SIZE | 30T, 32T (1EX1) CRANK | FORGED ALLOY LENGTH | 115 ~ 155MM/EVERY 5MM



#### FM26E30S

BCD | 96MM RING | 3/32" STEEL SIZE | 30T, 32T (1ET1) CRANK | FORGED ALLOY LENGTH | 115 ~ 155MM/EVERY 5MM



#### FM26E30DPF6

BCD | 96MM RING | 3/32" STEEL SIZE | 30T, 32T (1ET2) CRANK | FORGED ALLOY LENGTH | 115 ~ 155MM/EVERY 5MM



#### FM2632X

BCD | 104MM RING | STEEL NARROW WIDE SIZE | 32T (1DX2) CRANK | FORGED ALLOY LENGTH | 115 ~ 155MM/EVERY 5MM



#### RCF2630DPF06

RIVETED SET RING | 1/8" OR 3/32" STEEL SIZE | 30T, 32T (1K410A) CRANK | FORGED ALLOY LENGTH | 80 ~ 155MM/EVERY 5MM



#### RCF2632DPC01

RIVETED SET
RING | 1/8" OR 3/32" STEEL
SIZE | 32T, 34T (1K110B)
CRANK | FORGED ALLOY
LENGTH | 80 ~ 155MM/EVERY 5MM



#### RCF2628DP10

RIVETED SET
RING | 3/32" STEEL
SIZE | 28T (1K110C)
CRANK | FORGED ALLOY
LENGTH | 80 ~ 155MM/EVERY 5MM



#### RCF2625S

RIVETED SET RING | 3/32" STEEL SIZE | 25T (1K100A) CRANK | FORGED ALLOY LENGTH | 80 ~ 155MM/EVERY 5MM





#### R650A

BCD | 110MM RING | ALLOY W/CNC HIGHLIGHTED SIZE | 50T/34T ALLOY CRANK | FORGED ALLOY LENGTH | 165/170/175MM



#### R650S

BCD | 110MM RING | STEEL SIZE | 50T/34T STEEL CRANK | FORGED ALLOY LENGTH | 165/170/175MM



## **MTB**

#### FM68243A-GOX

BCD | 104/64MM RING | ALLOY W/CNC HIGHLIGHTED SIZE | 42T/32T/22T CRANK | FORGED ALLOY LENGTH | 165/170/175MM INTEGRATED B.B SYSTEM



#### FR3722A

BCD | 110MM RING | ALLOY W/CNC HIGHLIGHTED SIZE | 46T/34T CRANK | FORGED ALLOY "LENGTH | 130 ~ 155MM 165/170/175MM"



#### FR650-42X GOX

BCD | 110MM RING | ALLOY NARROW WIDE SIZE | 42T CRANK | FORGED ALLOY LENGTH | 165/170/175MM



#### FM25-32X-GOX

BCD | 104MM RING | ALLOY NARROW WIDE SIZE | 32T CRANK | FORGED ALLOY LENGTH | 160/165/170/175MM INTEGRATED B.B SYSTEM

## **CITY/TREKKING**



FM2548D31A

BCD | 104MM

RING | 3/32" STEEL

SIZE | 46T, 48T

CRANK | FORGED ALLOY

COVER | ALLOY CNC HIGHLIGHTED

LENGTH | 165/170/175MM



FM2538D32A
BCD | 104MM
RING | 3/32" STEEL
SIZE | 38T
CRANK | FORGED ALLOY
COVER | ALLOY CNC HIGHLIGHTED
LENGTH | 165/170/175MM



RFM2142GA24/B
BCD | 104MM
RING | 3/32" STEEL
SIZE | 42T, 44T
CRANK | FORGED ALLOY
COVER | ALLOY CNC HIGHLIGHTED
LENGTH | 165/170/175MM



RCF3542GS3
RIVETED SET
RING | 3/32" STEEL
SIZE | 42T
COVER | STEEL COVER
CRANK | FORGED ALLOY
LENGTH | 170MM



RCF3548P03
RIVETED SET
RING | 3/32" STEEL
SIZE | 46T, 48T
COVER | DOUBLE PVC COVER
CRANK | FORGED ALLOY
LENGTH | 152/170MM



RCF3538F18
RIVETED SET
RING | 3/32" STEEL
SIZE | 36T, 38T, 40T
COVER | 96MM DISC COVER
CRANK | FORGED ALLOY
LENGTH | 152/170MM



FI-AF46I4
BCD | 104MM
RING | 1/8" OR 3/32" ALLOY
SIZE | 42T, 44T, 46T, 48T
CRANK | FORGED ALLOY
LENGTH | 165/170/175MM



FG-CLASSIC-AT13
BCD | 104MM
RING | STEEL CP
SIZE | 44T
CRANK | FORGED ALLOY
LENGTH | 165/170/175MM



FR1146GA5
BCD | 130MM
RING | 3/32" STEEL
SIZE | 42T, 44T, 46T, 48T
CRANK | FORGED ALLOY
COVER | ALLOY OR STEEL AVAILABLE
LENGTH | 165/170/175MM



FR1146GA20
BCD | 130MM
RING | 1/8" OR 3/32" ALLOY
SIZE | 46T, 48T, 50T, 52T
COVER | ALLOY OR STEEL AVAILABL
CRANK | FORGED ALLOY
LENGTH | 165/170/175MM



RCF0344DGA5
BCD | 130MM
RING | 1/8" OR 3/32" ALLOY
SIZE | 42T, 44T
COVER | ALLOY OR STEEL AVAILABL
CRANK | FORGED ALLOY
LENGTH | 152/165/170/175MM



RCF1242SP1
BCD | 130MM
RING | 1/8" OR 3/32" ALLOY
SIZE | 46T, 48T
COVER | ALLOY OR STEEL AVAILABL
CRANK | FORGED ALLOY
LENGTH | 165/170/175MM

## **BELT DRIVE COMPATIBLE**



FM35-BELT BCD | 104/64MM CRANK | FORGED ALLOY LENGTH | 152~175MM W/Bolt Sets



FR610-BELT BCD | 130MM CRANK | FORGED ALLOY LENGTH | 165/170/175MM W/Bolt Sets







EC-02 Compatible with: Bosch system



EC-03 Compatible with:



SS-EC-06B Compatible with: BAFANG M315



Compatible with: Brose, Bosch Gen4/Shimano E8000 and Fazua





E-100-3 Crank Length: 165,170,172.5,175 Interface:ISIS/JIS/BNI Offset 38mm



MTBG-1 Alloy/Steel guard



MTBG-2 Alloy/Steel guard



MTBG-5 Alloy guard



EC-04 Compatible with: Bosch Gen 3



Crank Length: 165, 170, 175mm Interface: JIS







WHOLE MAN ENTERPRISE CO.,LTD. TEL: 886-6-2825791/92 FAX: 886-6-2825746 E-MAIL: PROWHEEL@MS13.HINET.NET SALES-TW@PRO-WHEEL.COM WWW.PRO-WHEEL.COM.TW

## 2023 PROWHEEL E-BIKE DESIGN FOR



## **BOSCH** GEN 4

#### SPIDER SPECS TABLE

Photo	Model	Mounting Interface	BCD (mm)	Chain Line	Model Number W/CG	Model Number W/O CG
<b>2</b>				47.5mm	S13-47.5G	S13-47.5
	S13	28T	104mm	49mm	S13-49G	S13-49
				52mm	S13-52G	S13-52

#### CHAINRING SPECS TABLE

Photo	Model	BCD (mm)	Material	Model Number Teeth
			Steel	NWS40T
				NWS38T
July.				NWS36T
A CAL	Narrow Wide Teeth	104mm		NWS34T
C/ Yak				NWS32T
			7075	NWA48T
				NWA46T
11.0000000000				NWA44T
3	Narrow Wide Teeth			NWA40T
	Narrow Wide Teeth			NWA38T
W W				NWA36T
بالمقدر	11/128"		Steel	PRO44T
30				PRO42T
				PRO38T
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				PRO44T
	3/32"			PRO42T
r				PRO38T
well.	WW 0000 POWERS 122 PD 150 P			EC01S34T
AX	Narrow Wide Teeth	116mm	Steel	EC01S38T

#### CHAINGUARD SPECS TABLE

Photo	Model Number	BCD (mm)	For Model Number Teeth
	AG64-48T		NWA48T
	AG64-46T		NWA46T
P B	AG64-40T		NWS40T
	AG64-38T		NWS38T
A 1/4	AG64-36T		NWS36T
	AG64-34T	104mm	NWS34T
	AG64-32T		NWS32T
	AG62-44T		NWA44T
	AG62-40T		NWA40T
<b>*</b>	AG62-38T		NWA38T
	AG62-36T		NWA36T
00	AG62-44T		PRO44T
	AG62-42T		PRO42T
	AG62-38T		PRO38T
100	AG74-34T		EC01S34T
R S	AG74-38T	116mm	EC01S38T

#### **CRANK SPECS TABLE**

Photo	Model	L/R	Crank Length	Crank Interface	Q-Factor (mm)	Offset (mm)
EB13-L EB13-R		EB13-L	160,165		186.5	27
	EB13	EB13-R	170,175	ISIS		

### SPINDLE BOLT

Photo



ISIS Bolts (M15\*1.0\*23.5L)

## BOSCH GENA DISC / CHAINRING SETS

CL mm)	Chainring	Chainring Model Number	Model Number	Model Number W/CG	Model Number	Model Number W/O CG
50	EC01S34T	Steel Narrow Wide Teeth	EC01S34A-53	AVA	EC01S34T-53	
174	EC01S38T		EC01S38A-53	<b>L</b> 93	EC01S38T-53	WY ?



# Link to Power



## e-Bike chain: Built to overcome any obstacle

- ➤ **Shield Tech:** e-riveting technology combined with oversized pin design, enhances strength by 25% versus standard chain.
- **\*\***
- KMC e-Bike Solutions: e-Bike chain and chainring adjusted to the specifications of mid-motor drivetrains.
- Unparalleled rigidity and exceptional chain life
- COMPATIBLE WITH
  BOSCH
  e-BIKE SYSTEMS





**EUROBIKE Booth: A5-101** 



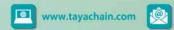
HIGH TORQUE & IMPACT RESISTANCE

More and more people are now using E-Bikes whether it be for commuting, trekking or even taking bulky items around in an E-Cargo bike particularly in Europe and North America.

Having observed the current existing safety standards, TAYA has developed the impact resistance of the E-Bike chains through the range from the 12-speed chain through to the IGH system. In the field test the chains offered flawless compatibility with Bosch series (350W, 75Nm), and the Yamaha series (500W, 80Nm).

With TAYA-DHT (Diamond Hard Treatment), TAYA bike chain parts will be up to HK 2,000 hardness, which can against the instant high torque output from mid-drive drivetrain. Thus, TAYA E-bike chains have been approved on 1000W and 160Nm torque mid-drive system, and highly recommended for sporty pedelecs.











# E-BIKE SERIES



#### e TOLV-121

Sigma\* connector included

GST-500

SILVER/SILVER

5.000km







SUPER LENGTH INNER CHAMFER

SUB PUNCHED PIN DEVELOPED FOR E-BIKE



OUTER CHAMFERED OUTER PLATES



MINCLINED BRIDGE

e OCTO-DH

Sigma<sup>+</sup> or Sigma Pro

connector included

e NOVE-91

GST-500

5.000km



SILVER/SILVER

Sigma\* connector included

SILVER/SILVER

DEVELOPED FOR E-BIKE



INNER CHAMFERED PLATE

DHT TREATMENT

## e ONZE-111

Siama\* connector included

GST-500 SILVER/SILVER



e DECA-101

Sigma\* connector included

SILVER/SILVER



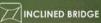












SUPER LENGTH INNER CHAMFER



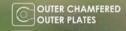


PUNCHED PIN

5.000km









GST-500



DEVELOPED FOR E-BIKE



INNER CHAMFERED PLATE

e TB-910-DH (1/8") e TB-980-DH (3/32")

Sigma Pro connector included

SILVER/SILVER

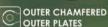






DHT TREATMENT









DEVELOPED

5.000km

HIGH TENSION STRENGTH



CHAMFERED PLATE **OUTER PLATES** 



OUTER PLATES









DHT TREATMENT





## ANTI-RUST & ECO-FRIENDLY.

RIDE IN EXTREME CONDITIONS WITH GST CHAINS.





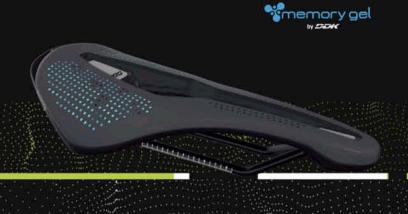




presents



### ENHANCED COMFORT

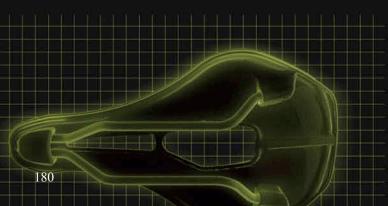




### PERFECT FOR E-BIKES







ddk@ddk-group.com www.ddk-group.com



### **HF-808**

- · Compliments both fashion bikes and city riders.
- · With a non-slip sand grip and reflectors on either side
- · Weighing only 333 g/pr and 110x86 mm
- · Latest transformation for Trekking and E-Bikes.







# Ready for the future!





SP-890 SBL Black



SP-827 SBL Black



SP-827 SBL



SP-828 Black SBL



SP-828 SBL Black



SP-821



SP-160



MARWI Taiwan Industrial Co., Ltd.

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No. 56, Chongyi 3rd RD., Dajia Dist, Taichung City, Taiwan(R.O.C)















Liège 3564



Zurigo 3562



SD-5501



**Emboss** 



Mosel 3200



Taunus 3143



**UN-4200E** √√√ K 1598 IA €1 024913



# PEDALS for E-BIKE

# **C336DU**

WEIGHT BODY SPINDLE BEARING SIZE 399g Aluminum Boron Polymer bearing 115 x 82 x 26 mm

# **C337DU**

WEIGHT BODY SPINDLE BEARING SIZE 428g Aluminum / Kraton Boron Polymer bearing 115 x 82 x 30 mm













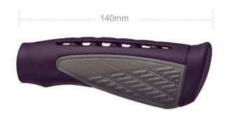




### SW-GC-135

Bicycle Grip

· Material: TPR



### SW-GC-159A/B

Bicycle Grip Patented

138mm · Material: TPR / PP



· Material: TPR



### SW-GC-171A/B

Bicycle Grip Patented



· Material: TPR



### SW-GC-177A/C

Bicycle Grip

A · Material: SILICONE C · Material: SILICONE FOAM



### SW-GC-177B

Bicycle Grip

Material: SILICONE



### SW-GC-177D

Bicycle Grip

Material: SILICONE FOAM



### SW-GC-151

Bicycle Grip

· Material: TPR



### FL-GC-137

Bicycle Grip Patented

· Material: TPR Grip / Aluminum Bar-end



### FL-GC-139

Bicycle Grip Patented · Material: TPR Grip / Aluminum Clamp









## LEADTEC CO., LTD.

27, Fukon Rd., Fushing Ind. Zone, Changhua County, 506, Taiwan

TEL: +886-4-7691125 FAX: +886-4-7697206

leadtec-sales@umail.hinet.net



### LCS-7152 E-TREKKING

Material	Alloy 6061 T6
Process	3D Forged
Extension	90/110 mm
Steerer	28.6 mm
Barbore	31.8 mm
Angle	20° / 35°



### LCSP-32 MTB

Material	3D Forged AL7050
Outer Diameter	30.9 / 31.6 mm
Length	386 / 435 mm
Travel	386 / 125 mm 435 / 150 mm
Insert Length	386 / 210 mm 435 / 235 mm
THE RESERVE THE PERSONS	THE RESIDENCE OF THE PROPERTY OF THE PERSON NAMED IN



Material	Alloy 6061 T6
Process	3D Forged
Extension	40 mm
Steerer	28.6 mm
Barbore	31.8/35.0 mm
Angle	0°

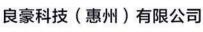




### LCS-7150 E-TREKKING

A THE RESIDENCE OF THE PARTY OF	TO A PROSESS OF THE OWNER OF THE PARTY OF TH
Material	Alloy 6061 T6
Process	3D Forged
Extension	80/100 mm
Steerer	28.6 mm
Barbore -	31.8 mm
Angle	0° ~ 90°





LINHAO TECHNOLOGY (HUIZHOU) CO., LTD.

Cel: +86 13670165115





### **E-BIKE SOLUTION**

### HD - T740

### AURIGA+

- · 4 Piston caliper
- · 4 finger ball-end lever blade, two-piece clamp
- · 2.3mm thickness rotor
- · 5mm thick brake pad



### HD - T737

### AURIGA+

- · 4 Piston caliper
- · 3 finger lever blade, two-piece clamp
- · 2.3mm thickness rotor
- · 5mm thick brake pad



### HD - T535



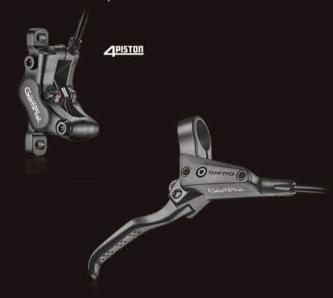
- · New forged 4 piston caliper
- · One piece clamp, 3 finger lever
- · With dimples on lever blade
- · New universal oil route
- · 2.3mm thickness rotor
- · 5mm thick brake pad



### HD - M535



- · New forged 4 piston caliper
- · One piece clamp, 2 finger lever
- · With dimples on lever blade
- · New universal oil route
- · 2.3mm thickness rotor
- · 5mm thick brake pad

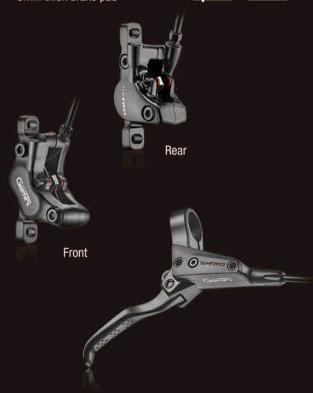


### HD - M530



- · New forged aluminum 4x2 caliper
- · One piece clamp, 2 finger lever
- · With dimples on lever blade
- · New universal oil route
- · 2.3mm thickness rotor
- · 5mm thick brake pad

∠PISTON x ≥PISTON







### HD - E745

AURIGA TVVIN+

New developing cargo bike solution brake system. Ready to handle the loads which have been growing to over 200kg.

- · Dual 4P caliper (Drive side / non-Drive side)
- · 4 finger ball-end lever blade, two pieces bracket
- · With parking lock
- · With power cut-off sensor
- · 2.3mm thickness rotor
- · 5mm thick brake pad

Option: HD-T745

Without power cut-off sensor





### HD - E740

### AURIGA+

### For two wheels cargo bike

- · 4 Piston caliper
- · 4 finger ball-end lever blade, two pieces bracket
- · With power cut-off sensor
- · 2.3mm thickness rotor
- . 5mm thick brake pad

Option: HD-T740

Without power cut-off sensor



### HD - E741

AURIGA+

- · Two pieces bracket, 3 finger lever blade
- · Integrated horn switch
- · 2 piston caliper
- · 2.3mm thickness rotor
- · 5mm thick pad





### TR180-17 TR203-17

- · T: 2.3mm
- · 6 bolt mount



TR160-45 TR180-45 TR203-45

- · T: 2.3mm
- · Center Lock



TR160-47 TR180-47

- T : 1.8mm
- · 5 bolt mount



### **Q13RS**

- · For 4 piston caliper
- · 5mm thickness
- · Overall balance resin pad



### P21.11

- · For 2 pistion caliper
- 5mm thickness
- · Overall balance resin pad







http://www.zeitbike.com.tv SKYPE zeit josie@seed.net tw SKYPE zeit.bicycle TEL 886-4-7882956 FAX 888-4-7880847 No. 9, Alley 350 Jhanghua Rd., Huatan Township Changhua County 503 Tarwan

# BRAKE & DISK PADS ZEIT BICYCLE INDUSTRIAL CO., LTD.



Excellent braking performand in high speed & temperature
 Long lasting pad wear





















DK-15 MAGURA MARTA MARTA SL









DK-18 MAGURA MT 5























DK-27 SHIMANO FLAT MOUNT























DK-36 HOPE MONO MINI























HOPE MONO TRAIL



























































































DK-88





SMEED 19

# E-BIKE LED LAMP

MYCARR LIGHTING TAIWAN





**Micro Control Unit** 



PCBA Inspection



Waterproof Validation



Goniophotometer



Automatic Production Line



MYCARR LIGHTING TECHNOLOGY CO., LTD.

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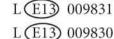






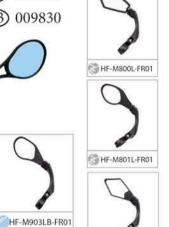












@ HF-M802L-FR01

















### FR<sub>0</sub>2























HF-M903LS-FR01

HF-M803L-FR01













HF-M903LB-FR04

MF-M854-FR04

HF-M903LS-FR04



HF-M951B-FR04

MF-M851-FR04

HF-M951S-FR04







HF-M952B-FR04

MF-M852-FR04

HF-M952S-FR04

HF-M953B-FR04

MF-M853-FR04

HF-M953S-FR04











HF-M951B-FR05

HF-M951S-FR05

HF-M900LB-FR05

HF-M900LS-FR05





HF-M952S-FR05





@HF-M802-FR05













# QUALITY

## **PROFESSIONAL**



CC#601-8

(HC

For fit under 38T Material : Alloy (1.5mm)

## CREATIVITY



For fit under 46T -48T Material : Alloy CC# 761

For fit under 48T -50T Material : Alloy



CC# 757

BB bracket suitable for SHIMANO-3



BB bracket suitable for BAFANG MOTORS



CC# 759

For fit under 46T -48T Material : Alloy

CHIC

→ +8 8 6 - 4 -8 8 5 2 4 2 9
→ +8 8 6 - 4 -8 8 5 5 4 1 9

□ ching.chern@msa.hinet.net

www.chingchern.com.tw



CC#067-110

Tire: 100~105 Size: 20"~28"

Material : Alloy (0.8mm) Steel (0.7mm)





CC#9928

Tire: 130~135 Size: 20"~28"

Material : Alloy (1.5mm)





CC#991

Tire: 1.5~1.75 700x35C,700x40C

Material : Alloy For E-Bike





STAY-T

Alloy, Steel Tube 8mm, 10mm/Outside



STAY-S

Alloy, Steel Tube 8mm-10mm/Inside



### STAY-U

Alloy, Steel Tube 10mm/Outside



CC#995

Tire: 2.02.125 700x45C Material : Alloy





### CC#973

Tire: 700x23C,700x25C 700x28C,700x32C

Material : Alloy

Tire: 1.5~1.75,700x35C 700x38C,700x40C

Material : Alloy

Tire: 1.75,1.95,2.0 700x40C,700x45C

Material : Alloy

Tire: 1.75,1.95,2.0 700x40C,700x45C

Material : Alloy



700x45C Material : Alloy













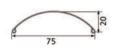
INDUSTRIAL CORP



CC#935

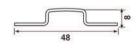
Tire: 2.125~2.5 Size: 12"~28"

Material : Alloy For E-Bike



CC#978-1

CABLE TUNNEL





CC#978



T i r e : 1.5~1.75,700x35C 700x38C,700x40C

Material : Alloy



CC#939-55

Tire: 1.75x2.125, 700x40C

Size:12"~28" Material: Alloy

Compatible with fender tail 803E 50521T



J +886-4-8852429

🖶 +886-4-8855419

☑ ching.chern@msa.hinet.net

www.chingchern.com.tw





### BRACKET SYNOPSIS

🏓 E	🗲 E-BIKE (SHIMANO)			🗲 E-BIKE (BAFANG)			🗲 E-BIKE (BOSCH)		
Туре	Chain Case	Bracket	Туре	Chain Case	Bracket	Туре	Chain Case	Bracket	
DU-E5000 DU-E6100	SW-CG-173A	71K6		SW-CG-173A		Active Line Active Line Plus (Gen3)	SW-CG-173A	71J0	
	SW-CG-117	71K7			7110		SW-CG-173B	71J1	
SW-CG-17 SW-CG-13 DU-E6001 SW-CG-11 DU-E6010 SW-780 DU-E6050 SW-7422	SW-CG-173A	71K2		SW-CG-173B	7111		SW-CG-113	71J2	
	014 00 4700	AUTHOR.					SW-7802	71J3	
	SW-CG-173B	71K4					SW-7422	71J3	
	SW-CG-139	71H0-03		SW-CG-113	7112		SW-CG-117	71J4	
	SW-CG-113	71H0-01	MM G360.250				014 00 4704	74114 04	
	SW-780	71H0-02		SW-7802	7113		SW-CG-173A	71H1-01	
	SW-7422	71H0-02					SW-CG-173B	71H1-02	
	SW-CG-117	71K0			SW-7422	7113		SW-CG-139	71H1-05
DU-E7000 DU-E8000	SW-CG-173A	71K3				Performance Line speed (Gen4)			
	BY A PRIL SACT STATE A STEELE	TO TO HAVE		SW-CG-117	7114		SW-CG-113	71H1-03	
	SW-CG-173B	71K5			7.114			EPA ESPA VA VA	
	SW-CG-117	71K1	MM G330.250	A HAMP RESIDENCE	D00000000 180047			SW-7802	71H1-04
EP8	SW-CG-173A	71K3-1		SW-CG-117	7114-1		SW-7422	71H1-04	

### SW-CG-173A

### Chainguard

- Material: PC
   Finish: Gloss





### SW-CG-173B

### Chainguard

- Material: PC
   Finish: Gloss





















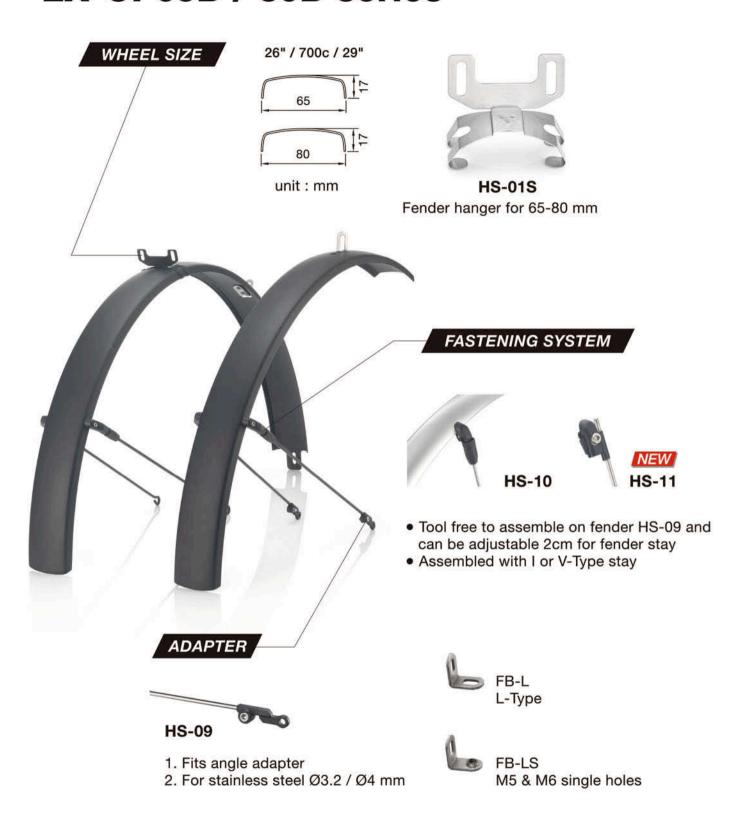








### EX-CP65B / 80B series





### YUNG FANG PLASTIC CO., LTD

Add: No.306, Sec.4, Changnan Rd., Fengyuan Hsiang, Changhua Hsien 50241, Taiwan.

Tel: +886-49-2522259 (Rep.)
E-mail: yungfang@yungfang.com.tw

Fax: +886-49-2524553 http://www.yungfang.com.tw

### MICROLITE www.microlite.com.tw

世界各國都在推行立法交通法規:增加要求 "<mark>夜間行人必須配件戴有反光材料</mark>" (光源反射作用)

加強避免因爲駕駛者未注意到行人,而引發的交通事故。

針對所有的戶外產品, 反光材料不應該是可有可無的配件! 所以, 我們還在等什麼?

除了環保條件資源回收需求,還有更重要的社會責任項目需要重視->那就是:避免交通事故、維護人身安全! MICROLITE深耕46年.

專注在:輪胎、成衣、鞋材、袋材、建築與所有戶外產品上, 一起合作開發創造更多萬有可能的安全產品。 歡迎一起開發合作、創造「安全」

MICROLITE 24HR 為您服務. 期待您的來信

Countries all over the world are implementing legislative traffic laws and regulations: Increase the requirement that "night pedestrians must have reflective materials for accessories" (light source reflection)

Strengthen to avoid traffic accidents caused by drivers not paying attention to pedestrians.

For all outdoor products, reflective materials should not be an optional accessory! So, what are we waiting for?

In addition to the need for environmental protection and resource recovery, there are more important social responsibility projects that need to be paid attention to —> That is: avoid traffic accidents and maintain personal safety!

MICROLITE has cultivated the ground for 46 years,

Focus on: tires, garments, shoe materials, bag materials, construction and all outdoor products, and work together to develop and create more safe products with all possibilities.

Welcome to develop cooperation and create "safety" together.

looking forward your message MICROLITE 24HR is at your service.



可完全客製化在任何輪胎規格上使用不同的寬度、黏度、顏色等... 純 橡 膠 的反光帶與1090標誌 It can be fully customized to use different width, viscosity, color, etc. on any tire specification... Pure rubber reflective tape and logo



















ACT lab ISO/IEC 17025 Third-party laboratory test report

歐美各大組車廠指定規範優先取得,動態測試與靜態反光測試亮度高達450cd

European and American major car manufacturers specify specifications to obtain dynamic test and static reflection test is brightness up to 450cd

此報告不便刊登至官網,以免有效業者塗改盜用,擾亂視聽與客戶品質。

This report is inconvenient to publish on the official website, so as to prevent effective operators from altering and embezzing. disrupting audiovisual and customer quality.

親愛的客戶,如需最新測試報告請沿專屬客服專員





- . :0800-861-588 . +886-3-478-8731 四 +886-3-485-4695
- No. 301, Gaoshi Rd., Yangmei Dist., Taoyuan City 326.
- microlite-tw@hotmail.com

THAILAND- OFFICE

CHINA - OFFICE

otmail.com

E-mail: service@sunnywheel.com.tw

### FENDER STAY MOUNTING



### **SELECTIVE STAY THICKNESS**

All fender stay are avaliable in ø3.2mm and ø4.0mm thickness to meet different needs.

Material: • 204 / 304 Stainless Steel: ø3.2 and ø4.0mm Steel (ED Black): ø4.0mm







ø8mm +0.3



ø10mm +0.3



#### MSA

UPPER-MOUNTED FENDER STAY

Fender stay mounted to the exterior of fenders with choice of stainless/chromed steel upper bracket.



#### MSV

V-STAY + MOUNTED BRACKET

V-style fender stay mounted to both sides of fenders with stainless steel under bracket.

\*Recommendable for FRONT & REAR fenders.



UNDER-MOUNTED FENDER STAY

Fender stay mounted to the interior of fenders with bolt and screw only.



#### POV

V-STAY + SAFETY QR FASTENER

For both front and rear fender installation. Stay accompanies selective QR fastener: (POPOFF / POPOFF 1 / POPOFF 3)

#### FENDER STAY HARDWARE Patented

SAFETY POP-OFF (For Ø3.2 / Ø4 mm FENDER-STAY)





MSI / MSV





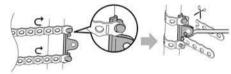


MSI / MSV



### SP-011 One-piece-made Quick release stay bracket

· Easy installation with elastic rubber strap. Double strap to fit tapered / straight fork.





**FPOP** 

MSI / MSV



FV-515

MSI / MSV

(For ø3.2 / ø4 mm FENDER-STAY)

FENDER STAY SAFETY POP-OFF

Applicable to MSA / MSB / MSI / MSV fender-stays to pop-off when jammed.



FV-517

(For ø5 mm FENDER-STAY)

Adjustable Fender Stay

· Length: 150mm.

Applicable to MSA / MSB fender-stays to adjust the length.



FV-113A/B

Material: Aluminum / 304 Stainless

FS-113A: Adjustable stay eyelet; Strut snap on system. FS-113B: Fixed stay eyelet ;Strut snap on system



FS-113B



FV-115

Material: (POM+PA6) / 304 Stainless

POP-OFF SAFETY OR FASTENER

Fixed stay eyelet Strut snap on system







For clearance 2mm~ 5mm.

· Fix between fender and carrier for noise reduction purpose.



#### SW-804F01 PAD

· Material: PP

Adapt with SW-804F ,for clearance ≥ 5mm.













### 🚨 SUNNYWHEEL



### CABLE STORAGE TECH Patented



SW-801E SINGLE Cable Tunnel

- Fit Cable within ø3.5mm
- · Slide-in



SW-801E1 Cable Tunnel

· Fit Cable within ø3mm



SW-801E2 Cable Tunnel

Fit Cable within ø3mm & ø5mm

SW-801E3 Cable Tunnel · Fit Cable within ø5mm & ø5mm

### CABLE STORAGE ACCESSORY



SW-801C **Cable Tunnel Tool** 

- · Fit Cable within ø4.5mm
- · Fit ø3.9mm fender stay



SW-809-02 Cable Tunnel Tool

Material: Alloy

- · Finish: ED black
- Fit Cable within ø 3.5mm · Single or double cables.



SW-809-01 Cable Tunnel Tool

- · Material: Alloy
- · Finish: ED black
- Fit Cable within ø 5mm
- · Single or double cables.



SW-807B

#### Cable Tunnel Tool

- Slide-able and easy Snap-in
   Fit Cable within ø10mm
- Stable
- · Single or multiple cables.



SW-808 Cable Tunnel Tool

Fit Cable within ø25mm.









### © SUNNYWHEEL

### SW-BM-117

- · Material: PP / PA6 / POM / Glass
- Fit ø14.5~ ø19.5mm handlebar-end.
- · Multi-angle adjustable.
- · Convex mirror.
- · Avaliable in single item (BM-117R / BM-117L) or a set.
- Suitable for 45 km/hr E-bike.









60° Bracket Suitable Angle



360° Multi-angle Adjustable



Convex Mirror

### SW-BM-111A

- Material: ABS+Coating / PA / Glass
   Fit ø14.5 ~ ø19.5mm handlebar-end
- Multi-angle adjustable.
- Convex mirror.
- Avaliable in single item (BM-111R / BM-111L) or a set.







- Material: ABS+Coating / PA / Glass
   Fit ø14.5 ~ ø19.5mm handlebar-end.
- · Avaliable in single item (BM-113R / BM-)(68b set.











Adjustable



Convex Mirror



Angle-adjustable

360° Multi-angle

Adjustable



Convex Mirror

### SW-BM-115B

- · Material: PA6 / Glass
- Fit ø18~ ø20mm Inner Diameter bar-end.
- · Multi-angle adjustable.
- · Convex mirror.
- · Color:







Mirror Size

Reducing aerodynamic drag



360° Multi-angle Adjustable





















### SW-QA-111 series

- · Material: Aluminum / PA6
- Fit ø22.2 ~ 31.8mm handlebars
- · Color Choice: Sandblasted Silver / Sandblasted Black
- QA-111E : L 135 x W 54 x H 75 mm / Weight: 290g
- · For E-bike

QA-111E1: W 75 mm QA-111E2: W 95 mm QA-111E3: W 120 mm





### SW-QA-113 series

- Material: Aluminum / PA6
- Fit ø22.2 ~ 31.8mm handlebars
- · Color Choice: Sandblasted Silver / Sandblasted Black
- QA-113E: L 169 x W 54 x H 90 mm / Weight: 310g
- For E-bike

QA-113E1: W 75 mm QA-113E2: W 95 mm QA-113E3: W 120 mm





### SW-QA-113A

- · Material: PA6
- Fit ø22.2 ~ 31.8mm handlebars · Color Choice: Sandblasted Black
- QA-113A : L 145 x W100 x H 70 mm / Weight: 260 g
- · For E-bike







### SW-CH-117

- · Material: PA6
- · Fix on handlebar to hold bottle cage.
- · Angle adjustable.
- Fit ø22.2~ø35mm handlebars.
- \* Bottle cage not included.

### SW-CH-117A

- · Material: PA6
- Fit ø22.2~ø35mm handlebars.

### SW-CH-117B

- · Material: PA6
- Fit ø22.2~ø35mm handlebars.



























# Wireless Bike Alarm

Bicycle Guard to watch bicyle Working W/ Smartphone

**iBT-02** 



### **Features**

- 2.4 GHz Wireless Technology working with Smartphone via APP (Bike Alarm) on APPLE/Google Play App store.
- Compact tube Size can be mounted beside Bottle Cage and on the rear of Bike Seat.
- Built in G-Sensor/Buzzer/LED light/Battery to be Bicycle Guard.
- Once Bicycle is moved & touched, it will send signal to smartphone.
- Multi-functions APP can set up Message/Vibration/Warning Voice to notify on smartphone side when Bike triggered; on bike side, Loud Buzzer/ LED flashing are able to make alarm.
- . High power BLE technology to make effective range: 80 meters (open sight)
- · Power Saved function, three AAA battery (changeable) can keep up to one week (stand-by mode).
- · There are three main function modes
  - (1) Anti-theft: bicycle and smartphone both sides will make efficient alarm then bike moved
  - (2) Warning LED light: three LED different flashings to choose for a warning light
- (3) Bike Finder: use APP to find bicycle when forgetting where is bike parked
- Link with Google Map when Our of Range or Pin the location when leaving.
- APP will show the status, Mode/Link/Out of Range/Power Low.
- The sensitivity of G-sensor and Buzzer volume can be set up on APP

















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No. 28-3, Aly. 118, Ln. 332, Sec. 8, Huanzhong Rd., Wuri Dist., Taichung City 414, Taiwan TEL: 886-4-2335-9906 FAX: 886-4-2335-2591 E-mail: jerry@chepark.com Skype: jerry\_8934



### **BICYCLE TOOLS**

### E-Bike Tool Selection



### **BIKE HAND**

### 昱州與黨股份有限公司

**YE CHOU INDUSTRY CO., LTD.**No. 44, Lane 8, Sec. 1, Chang Mei Rd.,
Changhua City 500, Taiwan.
Tel: 886-4-7282177 Fax: 886-4-722576 Fax: 886-4-7225763 E-mail: yechou@ms29.hinet.net http://www.bikehand.com



Model YC-617-2S 1/4" Torque Wrench Set, 2-24 NM Sockets: 3/4/5/6/8/10MM and T20 / T25/ T30, 5mm-L



Model YC-29BB-5A Bottom Bracket Tool Light aluminum tool for install and remove Shimano Hollowtech II external BB bearing.
E-bike lock ring tool for Bafang
BBs axle second ring.



Model YC-34BB Counter-ring opener for Bosch classic line



Model YC-42BB-ST Counter-ring tool For Bosch Active Plus system



Model YC-33BB

Counter-ring opener

for Bosch active and performace line

Model YC-29BB Bottom Bracket Tool For install and remove Shimano Hollowtech II external BB bearing.
E-bike lock ring tool for
Bafang BBs axle second ring.



YC-35BB Chainring Tool For Shimano® E8000, E6100, E7000



YC-36BB Chainring Tool For Shimano® E6000



Model YC-126-6AM Cassette lockring wrench For removing and installing cassette lockring from the thru axle hubs. The 12mm aluminum guide pin can attached on the regular guide pin.



Model YC-42BB For Bosch system, 2 in 1 wrench for Active/Performance line and Active Plus



Model YC-38BB Counter-ring opener for Bosch classic and active line 2 in 1wrench, for both Bosch system





Model YC-335CO Multipurpose Master Link Tool Advanced tool for both open and close the master link. For 8,9,10,11 and 12



Model YC-100-1J Handlebar Holder To prevent the handlebars and front wheel from rotating when a bike is mounted on the repair



Model YC-502A Freewheel turner. The pivot section provides a secure fit for all lock rings. Handle with vinyl coated 15/16mm spanner. Length: 230mm.



Model YC-637+Bits Essential torque wrench kit 1/4" driver, range: 2-12NM Bits: 2/2.5/3/4/5/6/8mm/PH2/T10/T25



### List of Suppliers Manufacturers by Classification

### **A07 Electric Bikes**

### ACETRIKES IND. CO., LTD. 見誠工業股份有限公司

146, Ln. 439, Sec. 4, Changshui Rd., Sihu Township, Changhua County 514, Taiwan

Tel: 886-4-8825925-6 Fax: 886-4-8851345 President: King Wu / 巫堯明

See ads on page 108

### DARFON ELECTRONICS CORP. 達方電子股份有限公司

No. 167, Shanying Rd., Guishan Dist., Taoyuan City 333, Taiwan

Tel: 886-3-2508800 Fax: 886-3-2507169 President:

See ads on page 120-121

#### EBFEC GROUP SP. Z O.O.

Graniczna 8c, Prologis II 57-61, 54-610 Wroclaw, Poland

Tel: 86-512-337221

See ads on page 109

### FAIRLY BIKE MFG. CO., LTD. 菲力工業股份有限公司

4, Shengli St., Tucheng Ind. Park, Tucheng Dist., New Taipei City 236, Taiwan Tel: 886-2-22687166

Fax: 886-2-22681839

President: C. H. Chien / 簡正雄

See ads on page 110

### GIANT (CHINA) CO., LTD. 捷安特(中國)有限公司

No. 1 Shun Fan Rd., Kunshan City, Jiangsu China Tel: 86-512-57709888

Fax: 86-512-57709688 President: Liu Xiao Yu / 劉曉雨

See ads on page 111

### METALLICA INTERNATIONALL CO., LTD. 穎澧企業有限公司

No. 20 Jingke Central 1st Rd Nantun Dist., Taichung City 408, Taiwan Tel: 886-4-23553186

Fax: 886-4-23553187

President: Scott Chang / 張建業

See ads on page 112

### MING CYCLE IND. CO., LTD. 永祺車業股份有限公司

No. 50, Lane 462, Guang Shing Road, Taiping Dist, Taichung City, 411 Taiwan

Tel: 886-4-22713395 Fax: 886-4-22713398

President: Tai Shan Chang / 張泰山

See ads on page 113

### NANJING DAXIN NEW ENERGY VEHICLE CO., LTD.

### 南京大鑫新能源車業有限公司

No. 86-6 Duigao Road, Economic Development Zone, Gaochun District, Nanjing Tel: 86-22-28219199

See ads on page 18

### UNITED ENGINEERING CORP. 聯程工業股份有限公司

No. 48 Gongxue Rd., Dayuan Dist., Taoyuan City

337, Taiwan Tel: 886-3-3867981

Fax: 886-3-3867983 President: Jack Hsieh / 謝正寬

esident: Jack Hsieh / 謝正寬

See ads on page 114

### XRIDER INDUSTRIAL CO., LTD. 瑞德機械工業股份有限公司

No. 5-9, Jiushe Rd., Houli Dist., Taichung City 42148, Taiwan

42148, Talwan Tel: 886-4-25588947

Fax: 886-4-25588037

President: Mr. Nick Chin / 秦宏銘

See ads on page 115

### YOTA CYCLES CO., LTD.

#### 嘉大企業股份有限公司

No. 96-2, Ln. 96, Xinfeng Rd., Caotun Township, Nantou County 542, Taiwan Tel: 886-49-2310011 Fax: 886-49-2310077

Fax: 886-49-2310077 President: Walter Chou / 周水來

See ads on page 116

### ZENITH (SANEGLE) SPORTS CO., LTD. 傑爾斯(三鷹)運動自行車有限公司

No. 3 Hengsan Rd,Heshun Xiaxi Industrial Park A,Foshan City,Guangdong,China

Tel: 86-757-86324962 Fax: 86-757-86239588

President: Kunhua Zhou / 周昆華

See ads on page 9

### ZHEJIANG BAOGUILAI VEHICLE CO., LTD.

### 浙江寶歸來車業有限公司

No. 2768, South Erhuan West Road, Wucheng District, Jinhua City, Zhejiang Province, China, 321000

Tel: 86-579-82799268 Fax: 86-579-82799260

President: Yang,Qunbao / 楊群寶

See ads on page 117

### GIANT ELECTRIC VEHICLE(KUNSHAN) CO. · LTD.

#### 捷安特電動車(昆山)有限公司

No.1,Yue-He South Rode,Kunshan Economic&Technical Develop Tel:86-521-57725888

Fax:86-521-57725388

President: 施宏揚/STEVEN SHI

See ads on page 12-13

### GIANT GROUP HEADQAURTERS 巨大集團全球營運總部

No. 999, Sec. 1, Dongda Rd., Xitun Dist., Taichung City 407, Taiwan

Tel: 886-4-24609099 Fax: 886-4-24627558 President: Bonnie Tu / 杜綉珍

See ads on page Inside Back Cover

### MERIDA INDUSTRY CO., LTD. 美利達工業股份有限公司

116, Meikang Rd., Meikang Vil., Dacun Township, Changhua County 515, Taiwan

Tel: 886-4-8526171 Fax: 886-4-8527881-2

President: Michael Tseng / 曾崧柱

See ads on page 1

### SHENZHEN DAHON TECHNOLOGY, LTD.

#### 深圳市美大行科技有限公司

8th Floor, Brilliance Plaza, Yizhan 4th road, Shapu Community, Songgang Sub-district, Baoan District, Shenzhen, China

Tel: 86-755-36869788 Fax: 86-755-36869210

President: Dr. David T. H / 韓德瑋

See ads on page 6-7

### TIANJIN GOLDEN WHEEL BICYCLE (GROUP) CO., LTD.

#### 天津金輪自行車集團有限公司

Building C19, Entrepreneurial Headquarters Base, Wuqing District, Tianjin, China

Tel: 22-59698877 Fax: 86-22-59698833

President: Yufeng Yang / 楊玉峰

See ads on page 3

### A08 Battery Unit

### DARFON ELECTRONICS CORP. 達方電子股份有限公司

No. 167, Shanying Rd., Guishan Dist., Taoyuan City 333, Taiwan

Tel: 886-3-2508800 Fax: 886-3-2507169

See ads on page 120-121

### DYNAPACK INTERNATIONAL TECHNOLOGY CORPORATION.

#### 順達科技股份有限公司

13F., No. 188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan Tel: 886-3-3963399

Tel: 886-3-3963399 Fax: 886-3-3960008 President: Tm Chung / 鍾聰明

See ads on page 122

### GREENWAY BATTERY CO., LTD. 東莞博力威電池有限公司

Tonghui Road, Dongcheng Science Park, Dongguan, China Tel: 86-796-27282088

Fax: 86-769-22290098 President: Roger Ho / 何啟明

See ads on page 123

### J.D COMPONENTS CO., LTD. 久鼎金屬實業股份有限公司

80, Nan Dee Lane, Shan Hsi Village, Shou Shui Hsiang, 504 Chang Hua Hsien, Taiwan Tel: 886-4-7681756

Fax: 886-4-7680575 President: Tina / 林碧玉

See ads on page 131

### YUNTONG POWER CO., LTD. 世豹新能源有限公司

South China Modern Chinese Park, Nanlang Town 528454, Zhongshan, Guangdong, China

Tel: 86-760-23699095 Contactperson: Milla Chen / 陳曉明

### Manufacturers by Classification List of Suppliers

### TARNG YU ENTERPRISE CO., LTD. 唐虞企業股份有限公司

New Taipei City, Wugu Dist., Wuquan 6th Rd., No. 43., Taiwan

Tel: 886-2-89903338 Fax: 886-2-89903330

President: Chin Wen Teng / 鄧景文

See ads on page 125

### SUZHOU BAFANG ELECTRIC MOTOR SCIENCE-TECHNOLOGY CO., LTD

#### 八方電氣(蘇州)股份有限公司

No. 9 Heshun Road, Loufeng Town, Suzhou Industy Park, Suzhou, Jiangsu, China Tel: 86-512-65974188 Fax: 86-512-87171277

President: Wang Qing Hua / 王清華

See ads on page 126, Back Cover

#### PAUL LANGE & CO. OHG (Shimano)

Hofener Strase 114 D-70372 Stuttgart Germany Tel: 49-711-2588320

Fax: 49-711-258827320 President: Bernhard Lange

See ads on page 8

#### **A09 Controllers**

### AVERTRONICS INC

### 映興電子公司

No. 10 Gongyegu 19th Rd, Nantun Dist, Taichung, Taiwan

Tel: 886-4-23581581 Fax: 886-4-23581828 President: Austin Lai / 賴柄源

See ads on page 127

### ECHOWELL ELECTRONIC CO., LTD. 名世電子企業股份有限公司

7F-8, 8, Sec. 1, Zhongxing Rd., Wugu Dist., New Taipei City 248, Taiwan Tel: 886-2-89769726

Fax: 886-2-89769727

President: George Lee / 李敏雄

See ads on page 128

### SUZHOU BAFANG ELECTRIC MOTOR SCIENCE-TECHNOLOGY CO., LTD

### 八方電氣(蘇州)股份有限公司

No. 9 Heshun Road, Loufeng Town, Suzhou Industy Park, Suzhou, Jiangsu, China Tel: 86-512-65974188

Fax: 86-512-659/4188

President: Wang Qing Hua / 王清華

See ads on page 126, Back Cover

#### PAUL LANGE & CO. OHG (Shimano)

Hofener Strase 114 D-70372 Stuttgart Germany Tel: 49-711-2588320 Fax: 49-711-258827320

President: Bernhard Lange

See ads on page 8

### YUEBO ELECTRIC TECHNOLOGY CO.,LTD(BOFEILI E-BIKE SYSTEM)

太倉悅博電動科技有限公司

No. 38, Qingdao West Road, Taicang, 215400, Jiangsu, China

Tel: 86-512-53584007 Fax: 86-512-53990550 President: Sarah Gao / 高曉榮

See ads on page 129

### ADVANCED POWER TECHNOLOGY CO., LTD.

#### 安沛動力科技股份有限公司

No. 80, Ln. 288, Jianguo Rd., Zhunan Township, Miaoli County 35049, Taiwan

Tel: 886-3-7630212 Fax: 886-3-7630213 President: 郭崑生

See ads on page 130See ads on page 121

#### A10 Motors

### ABONMAX CO., LTD. 銘旺科技股份有限公司

No. 9, Ziqiang 4th Rd., Zhongli Dist., Taoyuan City 320023, Taiwan

TEL: 886-3-4526136 FAX: 886-3-4526139

President: Jeff Hsieh / 周維昆

See ads on page 136

#### DP MOTORS CO., LTD.

#### 帝普電機有限公司

No. 136, Jingguo Road, Dajia District Taichung City, Taiwan

Tel: 886-4-26760330 Fax: 886-4-26760332 President: 榑林文雄

See ads on page 134-135

### J.D COMPONENTS CO., LTD.

#### 久鼎金屬實業股份有限公司

80, Nan Dee Lane, Shan Hsi Village, Shou Shui Hsiang, 504 Chang Hua Hsien, Taiwan

Tel: 886-4-7681756 Fax: 886-4-7680575 President: Tina / 林碧玉

See ads on page 131

### NECO TECHNOLOGY INDUSTRY CO., LTD.

#### 誌慶工業股份有限公司

No. 190, Zhongzheng Rd., Wufeng Dist., Taichung City 41362, Taiwan

Tel: 886-4-23323966 Fax: 886-4-23322866

President: Neco Wang / 王進源

See ads on page 132-133

### OTC TEC INT'L CO., LTD. 國泰鑫國際有限公司

20F.-9, No. 282, Shizheng N. 2nd Rd., Xitun Dist., Taichung City 407, Taiwan

Tel: 886-4-22513436 Fax: 886-4-22519753 President: Alan Lu / 呂忠洋

See ads on page 137

### SUZHOU BAFANG ELECTRIC MOTOR SCIENCE-TECHNOLOGY CO., LTD

#### 八方電氣(蘇州)股份有限公司

No. 9 Heshun Road, Loufeng Town, Suzhou Industy Park, Suzhou, Jiangsu, China Tel: 86-512-65974188

Fax: 86-512-87171277

President: Wang Qing Hua / 王清華

See ads on page 126, Back Cover

#### PAUL LANGE & CO. OHG (Shimano)

Hofener Strase 114 D-70372 Stuttgart Germany Tel: 49-711-2588320

Fax: 49-711-258827320 President: Bernhard Lange

See ads on page 8

#### **B01 Frames**

### A-FORGE ENT. CO., LTD.

#### 九川實業股份有限公司

193-1, Sec. 1, Shenlin Rd., Daya Dist., Taichung City 428, Taiwan

Tel: 886-4-25676851 Fax: 886-4-25682995

President: George Chang / 張德成

See ads on page 141

### ADK TECHNOLOGY LIMITED.

#### 環捷科技有限公司

792, Sec. 2, Taiwan Blvd., Taichung City 40756,

Tel: 886-4-36069630 Fax: 886-4-36069633

President: Kenneth Yen / 嚴國榮

See ads on page 140

### A-PRO TECH CO., LTD. 野寶科技股份有限公司

16, You 9th Rd., Dajia Dist., Taichung City 437,

Taiwan Tel: 886-4-26821688 Fax: 886-4-26821699 President: Boris Lin / 林柏維

See ads on page 142

### HUANG WEI TECHOLOGY ENTERPRISE CO., LTD.

### 皇瑋科技企業有限公司

Taichung City 439, Taiwan Tel: 886-4-26882543 Fax: 886-4-26889002

President: Huang Kuo Miu / 黃國謀

See ads on page 143

## SHANDONG TAISHAN RUIBAO COMPOSITE MATERIAL CO., LTD. 山東泰山瑞豹複合材料有限公司

High & New Technology Development Zone (West Of No.4 Road), Laoling City, Shandong, China

Tel: 86-534-6807865 Fax: 86-534-6667789

President: Terry Wang / 王春青

See ads on page 144-145

### ZHEJIANG XIANGYI VEHICLE CO., LTD.

#### 浙江祥益車業有限公司

No. 2768, South Erhuan West Road, Wucheng District, Jinhua City, Zhejiang Province, China, 321001

Tel: 86-579-82799268 Fax: 86-579-82799260

President: Yang,Qunbao / 楊群寶

See ads on page 146

### **B02 Front Forks**

### ACECAST INDUSTRIAL CO., LTD. 克佳興業股份有限公司

215, Zhongping 9th St., Taiping Dist., Taichung City 411, Taiwan

Tel: 886-4-22706191 Fax: 886-4-22708734 President: 白燿順

### List of Suppliers Manufacturers by Classification

### **HL CORP (SHENZHEN)**

### 深圳信隆健康產業發展股份有限公司

The 3rd Ind. Park, Bitou Vil., Song Gang Town, Baoan Dist., Shenzhen 518105, China Tel: 86-755-27130184 Fax: 86-755-27130095 President: H. J. Liao / 廖學金

See ads on page 152, 16-17

### LIANG FENG MACHINE CO., LTD. 良豐機械股份有限公司

3, Dong 1st St., Youth Ind. Park, Dajia Dist., Taichung City 437, Taiwan Tel: 886-4-26820629 Fax: 886-4-26820609 President: N. F. Chen / 陳年豐

See ads on page 148

### MOZO (SHENZHEN) TECHNOLOGY CO., LTD.

#### 深圳市摩大科技有限公司

#121 Minsheng Industrial City, Gongming Town, Guangming New Dis.,Shen Zhen. Tel: 86-755-23193129

Fax: 86-755-29694455 President: Eva Liu / 劉群華

See ads on page 14-15

### MOZO (TIANJIN) TECHNOLOGY CO., LTD.

### 天津市摩大金屬製品有限公司

#6Hongguang road,Shuangkou town,Beaches Dis,Tianjin

Tel:86-22-26956055 Fax:86-22-26955128 President: Eva Liu / 劉群華

See ads on page 14-15

### RST GREENERGY TECH. CO., LTD. 金毅達實業股份有限公司

No. 9, Ln. 371, Huacheng Rd., Xinzhuang Dist., New Taipei City 242, Taiwan Tel: 886-2-85212351 Fax: 886-2-85216159

President: 蔡明達

See ads on page 149

### SR SUNTOUR INC. 榮輪科技股份有限公司

7, Xingyeh Rd., Fuhsing Ind. Park, Fusing Township, Changhua County 506, Taiwan Tel: 886-4-7695115

Fax: 886-4-7694028

President: Daisuke Kobayashi / 小林大裕

See ads on page 150

#### **B04 Tubes/Tubing**

### SHUZ TUNG MACHINERY IND. CO., LTD.

#### 旭東機械工業股份有限公司

#17-1, Houliao Rd., Datong Vil., Waipu Dist., Taichung City 438, Taiwan Tel: 886-4-26831886 Fax: 886-4-26836158

President: Taylor Chuang / 莊添財

See ads on page 151

#### **B11 Seat Posts/Clamps**

### HL CORP (SHENZHEN) 深圳信隆健康產業發展股份有限公司

The 3rd Ind. Park, Bitou Vil., Song Gang Town, Baoan Dist., Shenzhen 518105, China

Tel: 86-755-27130184 Fax: 86-755-27130095 President: H. J. Liao / 廖學金

See ads on page 152, 16-17

### KIND SHOCK HI-TECH CO., LTD. 凱薩克科技股份有限公司

298, Anxin 2nd Rd., Annan Dist., Tainan City 70947, Taiwan

Tel: 886-6-2568575 Fax: 886-6-2567293

President: Martin Hsu / 許榮裕

See ads on page 153

### B14 Bolts, Nuts & Quick Releases / Pegs

### **FUL CHEE ENT CO., LTD**

#### 富錡企業股份有限公司

No. 26, Fong-Ming Rd., Da-Ya Dist., Taichung City, 42872, Taiwan

Tel: 886-4-25605818 Fax: 886-4-25605806 President: Jerry Liu / 劉武奇

See ads on page 155

### LINHAO TECHNOLOGY (HUIZHOU) CO., LTD.

#### 良豪科技(惠州)有限公司

2F, Building C, No. 28, Dongmeng Road, Puziduzhu Village, Lilin Town, Zhongkaigaoxin District, Huizhou City, China Tel: 86-752-3326001 Fax: 86-752-3326006

See ads on page 154

### SHUN XIN CO., LTD. 舜新金屬有限公司

President: Lin / 林彥宏

No. 30, Ln. 530, Guangxing Rd., Taiping Dist., Taichung City 411, Taiwan

Tel: 886-4-22711688 Fax: 886-4-22711677

President: Jin-Chao Jhang / 張錦超

See ads on page 156

### C01 Tires/Inner Tubes

### KENDA RUBBER IND. CO., LTD. 建大工業股份有限公司

146, Sec. 1, Chung Shan., Yuanlin City, Changhua County 51037, Taiwan

Tel: 886-4-8345171 Fax: 886-4-8331865

President: Jimmy Yang / 楊啟仁

See ads on page 2, 158

### C02 Rims / Pins

### JALCO INDUSTRY CO., LTD. 展輪工業股份有限公司

22, Sec. 1, Changyuan Rd., Changchun Vil., Huatan Township, Changhua County 503, Taiwan Tel: 886-4-7870767

Fax: 886-4-7870788

President: Lai Chien Chen / 陳來建

See ads on page 159

#### C04 Hubs

### ALEX GLOBAL TECHNOLOGY INC.

### 亞獵士科技股份有限公司

21-2, Beishizhou, Minghe Vil., Shanshang Dist., Tainan City 743, Taiwan Tel: 886-6-5782151

Fax: 886-6-5782394

President: Alex Chen / 陳威瑾

See ads on page 160

### BITEX INDUSTRIAL CO., LTD. 旺輪工業股份有限公司

No. 140-1,Lanmei Ln., Hesheng St., Shigang Dist., Taichung City 42254, Taiwan

Tel: 886-4-24527696

Fax: 886-4-24527096

President: David Hsieh / 謝德耀

See ads on page 161

### CHOSEN CO., LTD. 喬紳股份有限公司

No.151, Ln325, Kanding Rd., Xianxi Township, Changhua County, Taiwan,

Tel: 886-4-7588889 Fax: 886-4-7588727

President: Ching Shu Chen / 陳青樹

See ads on page 162

### KUN TENG INDUSTRY CO., LTD.

#### 崑藤工業股份有限公司

269, Sec. 3, Minsheng Rd., Shanfong Vil., Daya Dist., Taichung City 428, Taiwan Tel: 886-4-25661311

Fax: 886-4-25667555

President: Hubert Chen / 陳浚欽

See ads on page 240

### TAICANG XIANGYUE SPORTS EQUIPMENT CO., LTD.

#### 太倉市祥躍運動器材有限公司

No. 88, Zhenjiang Road, Banqiao Town, Taicang City, Jiangsu, China Tel: 86-13915780569

Fax: 86-512-53455715

President:

See ads on page 164-165

### YU HUB INDUSTRIAL CO., LTD. 昱泓工業有限公司

17-17, Luntzijiao Rd., Sihu Township, Changhua County 514, Taiwan

Tel: 886-4-8811738 Fax: 886-4-8812386

President: Wan-Tun Huang / 黃萬盾

### Manufacturers by Classification List of Suppliers

### D01 Chainwheels/Cranks

### CHUAN WEI IND. CO., LTD. 全維工業股份有限公司

No. 245, Ln. 589, Sec. 2, Shanjiao Rd., Yuanlin City, Changhua County 510, Taiwan

Tel: 886-4-8314959 Fax: 886-4-8311428

President: Wei Yu Cheng / 鄭維裕

See ads on page 167

### LUNGE INDUSTRY CO., LTD.

#### 輪耀股份有限公司

36, Gongyegu 20th Rd., Dali Ind. Park, Taiping Dist., Taichung City 411, Taiwan

Tel: 886-4-22712969 Fax: 886-4-22712979 President: Jack Lai / 賴沂松

See ads on page 168-172

### SHUN SHING BICYCLE CO., LTD 舜興工業股份有限公司

53, Site S. Rd., Wufong Dist., Taichung City 413, Taiwan

Tel: 886-4-23332756 Fax: 886-4-23322766

President: S. H. Hung / 洪舜喜

See ads on page 173

### WHOLE MAN ENTERPRISE CO., LTD. 浩盟企業股份有限公司

47, Beicheng Rd., North Dist., Tainan City 704,

Taiwan Tel: 886-6-2825791-2

Fax: 886-6-2825746 President: Tim Kao / 高丁男

See ads on page 174

### **D02 Chains**

### KMC (KUEI MENG) INTERNATIONAL INC. 桂盟國際股份有限公司

8F-1, No. 425, Jhonghua Rd., Yongkang Dist., Tainan City 710, Taiwan

Tel: 886-6-2019103 Fax: 886-6-2019107

President: Robert Wu / 吳盈進

See ads on page 175

### TAYA CHAIN CO., LTD. 大亞鏈條股份有限公司

30, Zhongshan Rd., Rende Dist., Tainan City

71752, Taiwan Tel: 886-6-2703166 #224 Fax: 886-6-2703176

President: Hua-Tien Wu / 吳華田

See ads on page 176-177

### **E01 Saddles**

### CIONLLI IND. CO., LTD. 祥力金屬工業股份有限公司

323, Zhonghua Rd., Nankang Ind. Park, Nantou City, Nantou County 540, Taiwan

Tel: 886-49-2254526-8 Fax: 886-49-2254529

President: Ching Song Lee / 李清松

See ads on page 238

### FOMING BICYCLE PARTS CO., LTD. 鋒明興業股份有限公司

183, Sec. 1, Yuanlu Rd., Tongan Vil., Fusing Township, Changhua County 506, Taiwan

Tel: 886-4-7775931 Fax: 886-4-7783156

President: Richard Tsai / 蔡文瑞

See ads on page 180

### MARWI TAIWAN INDUSTRIAL CO.,

#### 台萬工業股份有限公司

56, Chungyi 3rd Rd., Dajia Dist., Taichung City 437, Taiwan

Tel: 886-4-26881234 Fax: 886-4-26882141

President: Patrick Pai / 白政忠

See ads on page 182

### VELO ENT. CO., LTD. 維樂工業股份有限公司

No. 1012, Sec. 1, Zhongshan Rd., Dajia Dist., Taichung City 437, Taiwan Tel: 886-4-26864546-9

Fax: 886-4-26868636

President: Stella Yu / 余彩雲

See ads on page 4-5

#### E02 Pedals

### CIXI HENGFENG VEHICLE CO., LTD.

恒豐車業有限公司

No. 168 Bullding, North Industrial zone, Fuhai Town, Cixi City, Ningbo, China

Tel: 86-574-63569242 Fax: 86-574-63564820

President: Han Bai Jun / 韓佰軍

See ads on page 181

### MARWI TAIWAN INDUSTRIAL CO., ITD

#### 台萬工業股份有限公司

56, Chungyi 3rd Rd., Dajia Dist., Taichung City 437. Taiwan

Tel: 886-4-26881234 Fax: 886-4-26882141 President: Patrick Pai / 白政忠

See ads on page 183

### WELLGO PEDAL'S CORP. 維格工業股份有限公司

3, Gong 7th Rd., Youth Ind. Park, Dajia Dist., Taichung City 437, Taiwan

Tel: 886-4-26816991-5 Fax: 886-4-26816988 President: Shirley Yu / 余秋香

See ads on page 184

#### E03 Handlebar

### **HL CORP (SHENZHEN)** 深圳信隆健康產業發展股份有限公司

The 3rd Ind. Park, Bitou Vil., Song Gang Town, Baoan Dist., Shenzhen 518105, China Tel: 86-755-27130184

Fax: 86-755-27130095

President: H. J. Liao / 廖學金

See ads on page 152, 16-17

### LEADTEC CO., LTD. 利慶工業股份有限公司

27, Fukong Rd., Fusing Township, Changhua

County 506, Taiwan Tel: 886-4-7691125-9 Fax: 886-4-7697206

President: Kenny Lee / 李金隆

See ads on page 186

### **E05** Grips/Tapes

### SUNNY WHEEL IND. CO., LTD. 瑞振工業股份有限公司

No. 61, San Yi St, Yihsing Tsun, Hsiushui Hsiang, Changhua County 504, Taiwan Tel: 886-4-7616189

Fax: 886-4-7612008

President: Tony Hsu / 許國忠

See ads on page 185

### VELO ENT. CO., LTD. 維樂工業股份有限公司

No. 1012, Sec. 1, Zhongshan Rd., Dajia Dist., Taichung City 437, Taiwan Tel: 886-4-26864546-9

Fax: 886-4-26868636 President: Stella Yu / 余彩雲

See ads on page 4-5

### E06 Stems

### HL CORP (SHENZHEN) 深圳信隆健康產業發展股份有限公司

The 3rd Ind. Park, Bitou Vil., Song Gang Town, Baoan Dist., Shenzhen 518105, China Tel: 86-755-27130184

Fax: 86-755-27130095 President: H. J. Liao / 廖學金

See ads on page 152, 16-17

### LEADTEC CO., LTD. 利慶工業股份有限公司

27, Fukong Rd., Fusing Township, Changhua County 506, Taiwan Tel: 886-4-7691125-9

Fax: 886-4-7697206

President: Kenny Lee / 李金隆

See ads on page 186

#### **E07 Brakes**

### LINHAO TECHNOLOGY (HUIZHOU) CO., LTD.

### 良豪科技(惠州)有限公司

2F, Building C, No. 28, Dongmeng Road, Puziduzhu Village, Lilin Town, Zhongkaigaoxin District, Huizhou City, China Tel: 86-752-3326001 Fax: 86-752-3326006 President: Lin / 林彥宏

See ads on page 187

### TEKTRO TECHNOLOGY CORP. **彦豪金屬工業股份有限公司**

138, Minjhu St., Heming Vil., Sioushuei Township, Changhua County 504, Taiwan

Tel: 886-4-7683999 Fax: 886-4-7699633 President:

See ads on page 188-189

### List of Suppliers Manufacturers by Classification

### E08 Brake Shoes/Fitting

### ZEIT BICYCLE INDUSTRIAL CO., LTD. 柴特工業有限公司

9, Ln. 350, Chhanghua Rd., Huatan Township, Changhua County 503, Taiwan

Tel: 886-4-7882956 Fax: 886-4-7880847

President: Ruei Fu Tseng / 曾瑞富

See ads on page 190

### F01 Lighting Sets/Dynamos

### MYCARR LIGHTING TECHNOLOGY CO., LTD.

#### 新傑燈光科技有限公司

1, Lane 174, Jung Young Road, Chang Hua 500, Taiwan Tel: 886-4-7621381

Fax: 886-4-7612263 President: Jack Shih / 施仁傑

See ads on page 192

### **F02 Reflectors**

### MICROLITE IND. CO., LTD.

#### 台灣微粒有限公司

No. 301, Gaoshi Rd., Yangmei Dist., Taoyuan City 326103, Taiwan

Tel: 886-3-4788731 Fax: 886-3-4854695

President: Eddy Hsiao / 蕭源豐

See ads on page 199

#### **F03 Mirrors**

### HAFNY CO., LTD. 黑芙尼有限公司

296, Nanbei 4th Rd., Dehua Vil., Dajia Dist., Taichung City 437, Taiwan

Tel: 886-4-26883285 Fax: 886-4-26887149 President:

See ads on page 193

### **F06 Chain Covers**

### CHING CHERN INDUSTRIAL. CORP. 欽成工業股份有限公司

147, Sec. 4, Zhangshui Rd., Xihu Township, Changhua County 51414, Taiwan

Tel: 886-4-8852429 Fax: 886-4-8855419

President: Huei Lin Hsu / 徐惠玲

See ads on page 194-196

### SUNNY WHEEL IND. CO., LTD. 瑞振工業股份有限公司

No. 61, San Yi St, Yihsing Tsun, Hsiushui Hsiang, Changhua County 504, Taiwan Tel: 886-4-7616189

Fax: 886-4-7612008 President: Tony Hsu / 許國忠

See ads on page 197

### YUNG FANG PLASTIC CO., LTD. 永芳塑膠有限公司

306, Sec. 4, Changnan Rd., Fenyuan Township, Changhua County 502, Taiwan

Tel: 886-49-2522259 Fax: 886-49-2524553

President: Chien-Kuo Chen / 陳見國

See ads on page 198

#### F09 Mudguards/Fenders

### CHING CHERN INDUSTRIAL. CORP. 欽成工業股份有限公司

147, Sec. 4, Zhangshui Rd., Xihu Township, Changhua County 51414, Taiwan Tel: 886-4-8852429

Fax: 886-4-8855419

President: Huei Lin Hsu / 徐惠玲

See ads on page 194-196

### SUNNY WHEEL IND. CO., LTD.

#### 瑞振工業股份有限公司

#.61, Ln. Sanyi, Yixing Vil., Sioushuei Township, Changhua County 504, Taiwan Tel: 886-4-7616189

Fax: 886-4-7612008

President: Tony Hsu / 許國忠

See ads on page 200-201

### F14 Water Bottles/Cages

### SUNNY WHEEL IND. CO., LTD.

#### 瑞振工業股份有限公司

#.61, Ln. Sanvi, Yixing Vil., Sioushuei Township, Changhua County 504, Taiwan

Tel: 886-4-7616189 Fax: 886-4-7612008 President: Tony Hsu / 許國忠

See ads on page 202

### F15 Baskets

### SUNNY WHEEL IND. CO., LTD. 瑞振工業股份有限公司

#.61, Ln. Sanyi, Yixing Vil., Sioushuei Township, Changhua County 504, Taiwan

Tel: 886-4-7616189 Fax: 886-4-7612008

President: Tony Hsu / 許國忠

See ads on page 203

#### F19 Locks

### ABELTECH CO., LTD. 楷伸科技有限公司

203, Chengkong 6th St., Chupei City, Hsinchu County 302, Taiwan

Tel: 886-3-6583147 Fax: 886-3-6585674 President: Joe Yang

See ads on page 204

### F33 Tools / Tool Kits

### CHEPARK ENTERPRISE CO., LTD. 鶴立達股份有限公司

No. 28-3, Alv. 118, Ln. 332, Sec. 8, Huanzhong Rd., Wuri Dist., Taichung City 414, Taiwan Tel: 886-4-23359906 Fax: 886-4-23352591

See ads on page 205

### YE CHOU INDUSTRY CO., LTD. 昱州興業股份有限公司

44, Ln. 8, Sec. 1, Changmei Rd., Changhua City, Changhua County 500, Taiwan Tel: 886-4-7282177

Fax: 886-4-7225763

President: Ramond Ho / 何禎雄

See ads on page 206

### I01 Trading Company

#### MESSINGSCHLAGER GMBH & CO. KG

Hassbergstr.45, 96148 Baunach, Germany Tel: 49-9544-944445 Fax: 49-9544-9444963

See ads on page Inside Front Cover

### SHANGHAI PARAGON INDUSTRY IMP&EXP CO., LTD.

### 上海彩森進出口有限公司

8/B Haixing Mansion 1 Ruijin Road South, Shanghai China 上海市瑞金南路1號海興廣場8樓B座 Tel:86-21-64180799/ 64189339 Email: sales@paragonbikes.com pel@paragonbikes.com Website: www.paragonbikes.com

See ads on page 10-11

### Manufacturers by Alphabetical Order List of Suppliers





### ABELTECH CO., LTD.

### 楷伸科技有限公司

203, Chengkong 6th St., Chupei City, Hsinchu County 302, Taiwan

新竹縣竹北市成功六街203號

Tel: 886-3-6583147

Fax: 886-3-6585674

Email: joe@abeltech.com.tw
Website: www.abeltech.com.tw

President: Joe Yang

See ads on page 204



### ABONMAX CO., LTD. 銘旺科技股份有限公司

No. 9, Ziqiang 4th Rd., Zhongli Dist., Taoyuan City

320023, Taiwan

桃園市中壢區工業區自強四路9號

TEL: 886-3-4526136 FAX: 886-3-4526139

Email: jeff\_hsieh@abonmax.com.tw; klaus\_

chen@abonmax.com.tw

Website: www.abonmax.com.tw President: Jeff Hsieh / 周維昆

See ads on page 136



### ACECAST INDUSTRIAL CO., LTD. 克佳興業股份有限公司

215, Zhongping 9th St., Taiping Dist., Taichung City 411, Taiwan

台中市太平區中平九街215號

Tel: 886-4-22706191

Fax: 886-4-22708734

Email: dnm@dnmshock.com

Website: www.dnmshock.com

President: 白燿順

See ads on page 147



### ACETRIKES IND. CO., LTD.

### 見誠工業股份有限公司

146, Ln. 439, Sec. 4, Changshui Rd., Sihu Township, Changhua County 514, Taiwan 彰化縣溪湖鎮彰水路四段439巷146號

Tel: 886-4-8825925-6 Fax: 886-4-8851345

Email: albertyang@acebike.com.tw

Website: www.jce-jcb.com President: King Wu / 巫堯明

See ads on page 108



### ADK TECHNOLOGY LIMITED.

### 環捷科技有限公司

792, Sec. 2, Taiwan Blvd., Taichung City 40756, Taiwan

台中市台灣大道二段792號

Tel: 886-4-36069630

Fax: 886-4-36069633

Email: kenneth@adktec.com Website: www.adktec.com

President: Kenneth Yen / 嚴國榮

See ads on page 140



### ADVANCED POWER TECHNOLOGY CO., LTD. 安沛動力科技股份有限公司

No. 80, Ln. 288, Jianguo Rd., Zhunan Township, Miaoli County 35049, Taiwan 苗栗縣竹南鎮建國路288巷80號

Tel: 886-3-7630212

Fax: 886-3-7630213

Email: yh@treearth.com.tw

Website: www.advpower.cn

President: 郭崑生

See ads on page 130



### A-FORGE ENT. CO., LTD.

### 九川實業股份有限公司

193-1, Sec. 1, Shenlin Rd., Daya Dist., Taichung City 428, Taiwan

台中市大雅區神林路一段193-1號

Tel: 886-4-25676851

Fax: 886-4-25682995

Email: aforge@aforge.com.tw; aforge@ms29.

hinet net

Website: aforge.com.tw/

President: George Chang / 張德成

See ads on page 141

### **ALEXRIMS**

### ALEX GLOBAL TECHNOLOGY INC.

### 亞獵士科技股份有限公司

21-2, Beishizhou, Minghe Vil., Shanshang Dist.,

Tainan City 743, Taiwan

台南市山上區明和裡北勢洲21-2號

Tel: 886-6-5782151 Fax: 886-6-5782394

Email: alexrims@alexrims.com.tw

Website: www.alexrims.com

President: Alex Chen / 陳威瑾

See ads on page 160



### A-PRO TECH CO., LTD.

### 野寶科技股份有限公司

16, You 9th Rd., Dajia Dist., Taichung City 437, Taiwan

台中市大甲區幼九路16號

Tel: 886-4-26821688

Fax: 886-4-26821699 Email: info@apro-tek.com

Website: www.apro-tek.com

President: Boris Lin / 林柏維

See ads on page 142



### AVERTRONICS INC 映興電子公司

No. 10 Gongyegu 19th Rd, Nantun Dist,

Taichung, Taiwan

台中市南屯區工業區19路10號

Tel: 886-4-23581581

Fax: 886-4-23581828

Email: sales@avertronics.com

Website: www.avertronics.com

President: Austin Lai / 賴柄源

See ads on page 127

В



### BITEX INDUSTRIAL CO., LTD. 旺輪工業股份有限公司

No. 140-1,Lanmei Ln., Hesheng St., Shigang Dist., Taichung City 42254, Taiwan

台中市石岡區德興裡和盛街南眉巷140-1號

Tel: 886-4-24527696

Fax: 886-4-24527096

Email: bitex@bitexhubs.com; min@bitexhubs.

com

Website: www.bitexhubs.com President: David Hsieh / 謝德耀





### CHEPARK ENTERPRISE CO., LTD. 鶴立達股份有限公司

No. 28-3, Aly. 118, Ln. 332, Sec. 8, Huanzhong Rd., Wuri Dist., Taichung City 414, Taiwan 台中市烏日區環中路八段332巷118弄28號之3

Tel: 886-4-23359906 Fax: 886-4-23352591

Email: jerry.chepark@msa.hinet.net

Website: www.chepark.com

See ads on page 205



### CHING CHERN INDUSTRIAL. CORP. 欽成工業股份有限公司

147, Sec. 4, Zhangshui Rd., Xihu Township, Changhua County 51414, Taiwan 彰化縣溪湖鎮彰水路四段147號

Tel: 886-4-8852429 Fax: 886-4-8855419

Email: ching.chern@msa.hinet.net Website: www.chingchern.com.tw President: Huei Lin Hsu / 徐惠玲

See ads on page 194-196



### CHOSEN CO., LTD.

### 喬紳股份有限公司

No.151, Ln325, Kanding Rd., Xianxi Township, Changhua County, Taiwan,

彰化縣線西鄉下犁村崁頂路325巷151號

Tel: 886-4-7588889

Fax: 886-4-7588727

Email: chosen.twn@msa.hinet.net

Website: www.chosenhubs.com

President: Ching Shu Chen / 陳青樹

See ads on page 162



### CHUAN WEI IND. CO., LTD.

### 全維工業股份有限公司

No. 245, Ln. 589, Sec. 2, Shanjiao Rd., Yuanlin City, Changhua County 510, Taiwan

彰化縣員林市振興裡山腳路二段589巷245號

Tel: 886-4-8314959

Fax: 886-4-8311428

Email: info@chainway.com Website: www.samox.com.tw

President: Wei Yu Cheng / 鄭維裕

See ads on page 167



### CIONLLI IND. CO., LTD. 祥力金屬工業股份有限公司

323, Zhonghua Rd., Nankang Ind. Park, Nantou City, Nantou County 540, Taiwan 南投市南崗工業區中華路323號

Tel: 886-49-2254526-8

Fax: 886-49-2254529

Email: service@cionlli.com Website: www.cionlli.com

President: Ching Song Lee / 李清松

See ads on page 238



### CIXI HENGFENG VEHICLE CO., LTD. 慈溪市恒豐重業有限公司

No. 168 Bullding, North Industrial zone, Fuhai Town, Cixi City, Ningbo, China

浙江省寧波市慈溪市附海鎮海晏家電園16幢

Tel: 86-574-63569242

Fax: 86-574-63564820 Email: hf@hfbike.com

Website: www.hfbike.com/

President: Han Bai Jun / 韓佰軍

See ads on page 181



### DARF●N 達方電子

### DARFON ELECTRONICS CORP. 達方電子股份有限公司

No. 167, Shanying Rd., Guishan Dist., Taoyuan City 333, Taiwan

桃園縣龜山鄉山鶯路167號

Tel: 886-3-2508800

Fax: 886-3-2507169

Email: sales-1@darfon.com.tw

Website: www.darfon.com

See ads on page 120-121



DRIVE POWER UNIT

### DP MOTORS CO., LTD.

### 帝普電機有限公司

No. 136, Jingguo Road, Dajia District Taichung

City, Taiwan

台中市大甲區經國路136號

Tel: 886-4-26760330

Fax: 886-4-26760332 Email: info@dpmotors.tw

Website: www.dpmotors.tw

President: 榑林文雄

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### **DynaPack**

### DYNAPACK INTERNATIONAL TECHNOLOGY CORPORATION.

### 順達科技股份有限公司

13F., No. 188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan

桃園市龜山區文禾路188號13樓

Tel: 886-3-3963399

Fax: 886-3-3960008

Email: evelyn.chiu@dynapack.com.tw Website: www.dynapack.com.tw

President: Tm Chung / 鍾聰明

See ads on page 122



### EBFEC GROUP SP. Z O.O. EBFEC GROUP SP. Z O.O.

Graniczna 8c, Prologis II 57-61, 54-610 Wroc?aw, Poland

Tel: 86-512-337221 Email: info@ebfec.bike

Website: www.ebfec.eu

See ads on page 109



### ECHOWELL ELECTRONIC CO., LTD. 名世電子企業股份有限公司

7F-8, 8, Sec. 1, Zhongxing Rd., Wugu Dist., New Taipei City 248, Taiwan

新北市五股區中興路一段8號7樓之8

Tel: 886-2-89769726

Fax: 886-2-89769727

Email: sales@mail.echowell.com.tw Website: www.echowell.com.tw

President: George Lee / 李敏雄

# Manufacturers by Alphabetical Order List of Suppliers

F



# FAIRLY BIKE MFG. CO., LTD. 菲力工業股份有限公司

4, Shengli St., Tucheng Ind. Park, Tucheng Dist., New Taipei City 236, Taiwan

新北市土城區土城工業區勝利街4號

Tel: 886-2-22687166 Fax: 886-2-22681839 Email: fairly@fairlybike.com Website: www.fairlybike.com President: C. H. Chien / 簡正雄

See ads on page 110



# FOMING BICYCLE PARTS CO., LTD. 鋒明興業股份有限公司

183, Sec. 1, Yuanlu Rd., Tongan Vil., Fusing Township, Changhua County 506, Taiwan 彰化縣福興鄉同安村員鹿路一段183號

Tel: 886-4-7775931 Fax: 886-4-7783156

Email: fm@activesaddles.com.tw Website: www.activeddk.com President: Richard Tsai / 蔡文瑞

See ads on page 180



# FUL CHEE ENT CO., LTD 富錡企業股份有限公司

No. 26, Fong-Ming Rd., Da-Ya Dist., Taichung City, 42872, Taiwan

台中市大雅區鳳鳴路26號

Tel: 886-4-25605818 Fax: 886-4-25605806

Email: skewer@fulchee.com

Website: www.fulchee.com President: Jerry Liu / 劉武奇

See ads on page 155

G



# GIANT (CHINA) CO., LTD. 捷安特(中國)有限公司

No. 1, Shun Fan Rd., Kunshan City, Jiangsu China 江蘇省昆山丁業區洪湖路889號

Tel: 86-512-57709888

Fax: 86-512-57709688

Email: gck10465@giant.com.cn Website: www.giant.com.cn

President: Liu Xiao Yu / 劉曉雨

See ads on page 111



# GIANTELECTRICVEHICLE(KUNSHAN) CO. - LTD.

# 捷安特電動車(昆山)有限公司

No.1,Yue-He South Rode,Kunshan Economic&Technical Develop 江蘇省昆山市經濟技術開發區樾河南路1號

Tel:86-521-57725888 Fax:86-521-57725388

President: 施宏揚/STEVEN SHI

See ads on page 12-13



# GIANT GROUP HEADQAURTERS

# 巨大集團全球營運總部

No. 999, Sec. 1, Dongda Rd., Xitun Dist., Taichung City 407, Taiwan

台中市西屯區東大路一段999號

Tel: 886-4-24609099

Fax: 886-4-24627558

Email: kevinchiu@giant.com.tw Website: www.giant-bicycles.com

President: Bonnie Tu / 杜綉珍
See ads on page Inside Back Cover

# Greenway

# GREENWAY BATTERY CO., LTD.

# 東莞博力威電池有限公司

Tonghui Road, Dongcheng Science Park, Dongquan, China

廣東省東莞市東城區同沙新工業園

Tel: 86-796-27282088 Fax: 86-769-22290098

Email: info@greenway-battery.com

Website: www.greenway-battery.com President: Roger Ho / 何啟明

Sident: Roger Ho / 四咸明

See ads on page 123

Н



# HAFNY CO., LTD. 黑芙尼有限公司

296, Nanbei 4th Rd., Dehua Vil., Dajia Dist., Taichung City 437, Taiwan 台中市大甲區德化裡南北4路296號

Tel: 886-4-26883285 Fax: 886-4-26887149

Email: hafny.com@msa.hinet.net

Website: www.hafny.com.tw

See ads on page 193



深圳信隆實業股份有限公司

# HL CORP (SHENZHEN)

# 深圳信隆健康產業發展股份有限公司

The 3rd Ind. Park, Bitou Vil., Song Gang Town, Baoan Dist., Shenzhen 518105, China 廣東省深圳市寶安區松崗街鎮碧頭村第三工業區 (518105)

Tel: 86-755-27130184 Fax: 86-755-27130095 Email: sales-c@hlcorp.com.cn Website: www.hlcorp.com.cn President: H. J. Liao / 廖學金

See ads on page 16-17, 152



# HUANG WEI TECHOLOGY ENTERPRISE CO., LTD. 皇瑋科技企業有限公司

Taichung City 439, Taiwan 台中市大安區南北八路101巷8-1號

Tel: 886-4-26882543 Fax: 886-4-26889002

Email: huang.kuomiu@msa.hinet.net Website: http:www.hw-welding.com.tw President: Huang Kuo Miu / 黃國謀

# TranzX

# J.D COMPONENTS CO., LTD. 久鼎金屬實業股份有限公司

80, Nan Dee Lane, Shan Hsi Village, Shou Shui Hsiang, 504 Chang Hua Hsien, Taiwan

彰化縣秀水鄉陝西村湳抵巷80號

Tel: 886-4-7681756 Fax: 886-4-7680575 Email: info@jdco.com.tw Website: www.tranzx.com

President: Tina / 林碧玉

See ads on page 131



# JALCO INDUSTRY CO., LTD.

# 展輪工業股份有限公司

22, Sec. 1, Changyuan Rd., Changchun Vil., Huatan Township, Changhua County 503, Taiwan 彰化縣花壇鄉長春村彰員路1段22號

Tel: 886-4-7870767 Fax: 886-4-7870788

Email: jalco\_jl@yahoo.com.tw Website: www.maddux-wheels.com

President: Lai Chien Chen / 陳來建

See ads on page 159



# KENDA

# KENDA RUBBER IND. CO., LTD. 建大工業股份有限公司

146, Sec. 1, Chung Shan., Yuanlin City, Changhua County 51037, Taiwan

彰化縣員林市中山路一段146號

Tel: 886-4-8345171

Fax: 886-4-8331865

Email: kenda@kenda.com.tw Website: www.kendatire.com

President: Jimmy Yang / 楊啟仁

See ads on page 2, 158



# KIND SHOCK HI-TECH CO., LTD. 凱薩克科技股份有限公司

298, Anxin 2nd Rd., Annan Dist., Tainan City 70947, Taiwan

台南市安南區安新二路298號

Tel: 886-6-2568575

Fax: 886-6-2567293

Email: kssale@kindshockglobal.com Website: www.kssuspension.com

President: Martin Hsu / 許榮裕

See ads on page 153



# KMC (KUEI MENG) INTERNATIONAL INC. 桂盟國際股份有限公司

8F-1, No. 425, Jhonghua Rd., Yongkang Dist.,

Tainan City 710, Taiwan

台南市永康區中華路425號8樓-1

Tel: 886-6-2019103

Fax: 886-6-2019107

Email: kmcweb@kmcchain.com

Website: www.kmcchain.com

President: Robert Wu / 吳盈進

See ads on page 175



# KUN TENG INDUSTRY CO., LTD. 崑藤工業股份有限公司

269, Sec. 3, Minsheng Rd., Shanfong Vil., Daya Dist., Taichung City 428, Taiwan

台中市大雅區上楓裡民生路三段269號

Tel: 886-4-25661311

Fax: 886-4-25667555 Email: kttw@q-lai.com.tw

Website: www.kttw-hub.com

President: Hubert Chen / 陳浚欽

See ads on page 240



# LEADTEC CO., LTD.

# 利慶工業股份有限公司

27, Fukong Rd., Fusing Township, Changhua County 506, Taiwan

彰化縣福興鄉福工路27號

Tel: 886-4-7691125-9

Fax: 886-4-7697206

Email: leadtec-kenny@umail.hinet.net

Website: www.leadtec.com.tw/

President: Kenny Lee / 李金隆

See ads on page 186



# LIANG FENG MACHINE CO., LTD. 良豐機械股份有限公司

3, Dong 1st St., Youth Ind. Park, Dajia Dist., Taichung City 437, Taiwan

台中市大甲區幼獅工業區東一街3號

Tel: 886-4-26820629

Fax: 886-4-26820609

Email: Ifmcl.chen@msa.hinet.net; cycthefirst@

gmail.com

Website: www.lfzfmcl.com/

President: N. F. Chen / 陳年豐

See ads on page 148

# ⇒IOMGi-

# LINHAO TECHNOLOGY (HUIZHOU) CO., LTD.

# 良豪科技(惠州)有限公司

2F, Building C, No. 28, Dongmeng Road, Puziduzhu Village, Lilin Town, Zhongkaigaoxin

District, Huizhou City, China

廣東省惠州仲凱高新區源林鎮埔仔獨竹村東盟路28

號廠房C二樓

Tel: 86-752-3326001 Fax: 86-752-3326006

Email: lin@piowaybike.com Website: www.linhaotech.com

President: Lin / 林彥宏

See ads on page 154, 187



# LUNGE INDUSTRY CO., LTD. 輪耀股份有限公司

36, Gongyegu 20th Rd., Dali Ind. Park, Taiping Dist., Taichung City 411, Taiwan 台中市太平區大裡工業區工業20路36號

Tel: 886-4-22712969

Fax: 886-4-22712979 Email: lunge@lasco.com.tw Website: www.lasco.com.tw

President: Jack Lai / 賴沂松

See ads on page 168-172

М



# MARWI TAIWAN INDUSTRIAL CO., LTD. 台萬工業股份有限公司

56, Chungyi 3rd Rd., Dajia Dist., Taichung City 437, Taiwan

台中市大甲區重義三路56號

Tel: 886-4-26881234 Fax: 886-4-26882141

Email: sales@marwi.com.tw

Website: www.marwi.com.tw

President: Patrick Pai / 白政忠

See ads on page 182-183



# MERIDA INDUSTRY CO., LTD. 美利達工業股份有限公司

116, Meikang Rd., Meikang Vil., Dacun Township,

Changhua County 515, Taiwan 彰化縣大村鄉美港村美港路116號

Tel: 886-4-8526171

Fax: 886-4-8527881-2

Email: bicycle@merida.com.tw Website: www.merida.com

President: Michael Tseng / 曾崧柱

# Manufacturers by Alphabetical Order List of Suppliers

# messingschlager

# MESSINGSCHLAGER GMBH & CO. KG

Hassbergstr.45, 96148 Baunach, Germany

Tel: 49-9544-944445 Fax: 49-9544-9444963

Email: bt@messingschlager.com Website: www.messingschlager.com President: Benno Messingschlager

See ads on page Inside Front Cover



# METALLICA INTERNATIONALL CO., LTD. 穎澧企業有限公司

No. 20 Jingke Central 1st Rd Nantun Dist.,

Taichung City 408, Taiwan

台中市南屯區精科中一路20號

Tel: 886-4-23553186 Fax: 886-4-23553187

Email: grace\_chung@metallica.com.tw

Website: www.skorpionbikes.com

President: Scott Chang / 張建業

See ads on page 112



# MICROLITE IND. CO., LTD.

### 台灣微粒有限公司

No. 301, Gaoshi Rd., Yangmei Dist., Taoyuan City

326103, Taiwan

桃園市楊梅區高獅路301號

Tel: 886-3-4788731

Fax: 886-3-4854695

Email: microlit@ms1.hinet.net Website: www.microlite.com.tw

President: Eddy Hsiao / 蕭源豐

See ads on page 199



# MING CYCLE IND. CO., LTD. 永祺車業股份有限公司

No. 50, Lane 462, Guang Shing Road, Taiping

Dist, Taichung City, 411 Taiwan

台中市太平區光興路462巷50號

Tel: 886-4-22713395

Fax: 886-4-22713398

Email: mingbike@ms9.hinet.net Website: www.mingcycle.com.tw

President: Tai Shan Chang / 張泰山

See ads on page 113



# MOZO (SHENZHEN) TECHNOLOGY CO., LTD.

# 深圳市摩大科技有限公司

#121 Minsheng Industrial City, Gongming Town, Guangming New Dis. Shen Zhen.

深圳市光明新區公明民生工業城121棟

Tel: 86-755-23193129

Fax: 86-755-29694455

Email: sales@usamozo.com Website: www.mozo.bike

President: Eva Liu / 劉群華

See ads on page 14-15



# MOZO (TIANJIN) TECHNOLOGY CO., LTD.

# 天津市摩大金屬製品有限公司

#6Hongguang road, Shuangkou town, Beaches

Dis,Tianjin

Tel:86-22-26956055 Fax:86-22-26955128

Email: sales@usamozo.com

Website: www.mozo.bike

President: Eva Liu / 劉群華

See ads on page 14-15



# MYCARR LIGHTING TECHNOLOGY CO., LTD.

# 新傑燈光科技有限公司

1, Lane 174, Jung Young Road, Chang Hua 500,

Taiwan

彰化市中央路174巷1號 Tel: 886-4-7621381

Fax: 886-4-7612263

Email: alice.juang@mycarr.com

Website: www.mycarr.com

President: Jack Shih / 施仁傑

See ads on page 192



# NANJING DAXIN NEW ENERGY VEHICLE CO., LTD.

# 南京大鑫新能源車業有限公司

No. 86-6 Duigao Road, Economic Development Zone, Gaochun District, Nanjing

南京市高淳區經濟開發區雙高路86號標準廠房二期 6號廠房

Tel: 86-22-28219199

Email: daxn@daxincheye.com

Website: www.daxin-ne.com

See ads on page 18



# **NECO TECHNOLOGY INDUSTRY** CO., LTD.

# 誌慶工業股份有限公司

No. 190, Zhongzheng Rd., Wufeng Dist., Taichung

City 41362, Taiwan

台中市霧峰區萬豐裡中正路190號

Tel: 886-4-23323966 Fax: 886-4-23322866

Email: neco@necoparts.com

Website: www.necoparts.com President: Neco Wang / 王進源

See ads on page 132-133



# OTC TEC INT'L CO., LTD. 國泰鑫國際有限公司

20F.-9, No. 282, Shizheng N. 2nd Rd., Xitun Dist.,

Taichung City 407, Taiwan

台中市西屯區 市政北二路282號20F-9

Tel: 886-4-22513436

Fax: 886-4-22519753 Email: otc@otc-tec.com.tw

President: Alan Lu / 呂忠洋

See ads on page 137

P



# PAUL LANGE & CO. OHG (Shimano)

Hofener Strase 114 D-70372 Stuttgart Germany

Tel: 49-711-2588320

Fax: 49-711-258827320

Email: info@paul-lange.de

Website: www.paul-lange.de

President: Bernhard Lange

See ads on page 8



# RST GREENERGY TECH. CO., LTD.

# 金毅達實業股份有限公司

No. 9, Ln. 371, Huacheng Rd., Xinzhuang Dist.,

New Taipei City 242, Taiwan

新北市新莊區化成路371巷9號 Tel: 886-2-85212351

Fax: 886-2-85216159

Website: www.rstsuspension.com

President: 蔡明達

S



# SHANDONG TAISHAN RUIBAO COMPOSITE MATERIAL CO., LTD. 山東泰山瑞豹複合材料有限公司

High & New Technology Development Zone (West Of No.4 Road), Laoling City, Shandong,

山東省樂陵市高新技術開發區(4號路西側)

Tel: 86-534-6807865 Fax: 86-534-6667789 Fmail: kevin@rhcarbon.com Website: www.parduscycle.com President: Terry Wang / 王春青

China

See ads on page 144-145



# SHANGHAI PARAGON INDUSTRY IMP&EXP CO., LTD.

上海彩森進出口有限公司

8/B Haixing Mansion 1 Ruijin Road South, Shanghai China 上海市瑞金南路1號海興廣場8樓B座 Tel:86-21-64180799/64189339 Email: sales@paragonbikes.com

pel@paragonbikes.com Website: www.paragonbikes.com

President:

See ads on page 10-11



# SHENZHEN DAHON TECHNOLOGY, LTD. 深圳市美大行科技有限公司

8th Floor, Brilliance Plaza, Yizhan 4th road, Shapu Community, Songgang Sub-district, Baoan District, Shenzhen, China

深圳市寶安區松崗街道沙浦社區藝展四路8號藝展商 務大廈801

Tel: 86-755-36869788 Fax: 86-755-36869210

Email: contact@dahon.com; sales@dahon.com

Website: www.dahon.com President: Dr. David T. H / 韓德瑋

See ads on page 6-7



# SHUN SHING BICYCLE CO., LTD 舜興工業股份有限公司

53, Site S. Rd., Wufong Dist., Taichung City 413, Taiwan 台中市霧峰區四德南路53號

Tel: 886-4-23332756

Fax: 886-4-23322766

Email: shun@s-shun.com Website: www.s-shun.com President: S. H. Hung / 洪舜喜

See ads on page 173



# SHUN XIN CO., LTD. 舜新金屬有限公司

No. 30, Ln. 530, Guangxing Rd., Taiping Dist., Taichung City 411, Taiwan

台中市太平區光興路530巷30號

Tel: 886-4-22711688

Fax: 886-4-22711677

Email: mounkuang@sxmetal.com

Website:

President: Jin-Chao Jhang / 張錦超

See ads on page 156



# SHUZ TUNG MACHINERY IND. CO., LTD.

### 旭東機械工業股份有限公司

#17-1, Houliao Rd., Datong Vil., Waipu Dist., Taichung City 438, Taiwan 台中市外埔區大同裡後寮路17-1號

Tel: 886-4-26831886

Fax: 886-4-26836158

Email: stmc@shuztung.com.tw

Website: www.shuztung.com

President: Taylor Chuang / 莊添財

See ads on page 150

# **57 SUITOUR**

# SR SUNTOUR INC.

# 榮輪科技股份有限公司

7, Xingyeh Rd., Fuhsing Ind. Park, Fusing Township, Changhua County 506, Taiwan 彰化縣福興鄉福興工業區興業路7號 Tel: 886-4-7695115

Fax: 886-4-7694028

Email: service@srsuntour.com.tw Website: www.srsuntour-cycling.com President: Daisuke Kobayashi / 小林大裕

See ads on page 150



# SUNNY WHEEL IND. CO., LTD.

# 瑞振工業股份有限公司

No. 61, San Yi St, Yihsing Tsun, Hsiushui Hsiang, Changhua County 504, Taiwan 彰化縣秀水鄉義興村三義巷61號 Tel: 886-4-7616189

Fax: 886-4-7612008

Email: service@sunnywheel.com.tw Website: www.sunnywheel.com.tw President: Tony Hsu / 許國忠

See ads on page 185, 197, 200-203

# BAFANG

# SUZHOU BAFANG ELECTRIC MOTOR SCIENCE-TECHNOLOGY CO., LTD

# 八方電氣(蘇州)股份有限公司

No. 9 Heshun Road, Loufeng Town, Suzhou Industy Park, Suzhou, Jiangsu, China 江蘇省蘇州工業園區婁葑鎮和順路9號 Tel: 86-512-65974188

Fax: 86-512-87171277 Fmail: bf@szbaf.com Website: www.szbaf.com

President: Wang Qing Hua / 王清華

See ads on page Back Cover, 126

# TAICANG XIANGYUE SPORTS EQUIPMENT CO., LTD.

# 太倉市祥躍運動器材有限公司

No. 88, Zhenjiang Road, Banqiao Town, Taicang City, Jiangsu, China 江蘇省太倉市板橋鎮鎮江路88號 Tel: 86-13915780569

Fax: 86-512-53455715 Email: arc\_bike@126.com Website: www.arc-china.com

See ads on page 164-165



# TARNG YU ENTERPRISE CO., LTD. 唐虞企業股份有限公司

New Taipei City, Wugu Dist., Wuguan 6th Rd., No. 43., Taiwan

新北市五股區五權六路43號 Tel: 886-2-89903338 Fax: 886-2-89903330 Email: harry@tyu.com.tw

Website: www.tyu.com.tw President: Chin Wen Teng / 鄧景文



# TAYA CHAIN CO., LTD. 大亞鏈條股份有限公司

30, Zhongshan Rd., Rende Dist., Tainan City 71752, Taiwan

台南市仁德區中山路30號 Tel: 886-6-2703166 #224 Fax: 886-6-2703176

Email: info@tayachain.com; taya.224@tayachain.com; tyrone.wu@tayachain.com

Website: www.tayachain.com President: Hua-Tien Wu / 吳華田

See ads on page 176-177



# TEKTRO TECHNOLOGY CORP.

# **彦豪金屬工業股份有限公司**

138, Minjhu St., Heming Vil., Sioushuei Township, Changhua County 504, Taiwan 彰化縣秀水鄉鶴鳴村民主街138號

Tel: 886-4-7683999 Fax: 886-4-7699633 Email: info@tektro.com.tw Website: www.tektro.com

See ads on page 188-189



# TIANJIN GOLDEN WHEEL BICYCLE (GROUP) CO., LTD.

# 天津金輪自行車集團有限公司

Building C19, Entrepreneurial Headquarters Base, Wuqing District, Tianjin, China 天津市武清區創業總部基地C19

Tel: 22-59698877

Fax: 86-22-59698833

Email: gw@goldenwheelgroup.com Website: www.goldenwheelgroup.com

President: Yufeng Yang / 楊玉峰

See ads on page 3





# UNITED ENGINEERING CORP. 聯程工業股份有限公司

No. 48 Gongxue Rd., Dayuan Dist., Taoyuan City

337, Taiwan

桃園市大園區功學路48號 Tel: 886-3-3867981

Fax: 886-3-3867983

Email: uec-sale@khsbicycles.com.tw

Website: khsbicycles.com President: Jack Hsieh / 謝正寬

See ads on page 114

# V



# VELO ENT. CO., LTD. 維樂工業股份有限公司

No. 1012, Sec. 1, Zhongshan Rd., Dajia Dist., Taichung City 437, Taiwan 台中市大甲區中山路一段1012號

Tel: 886-4-26864546-9 Fax: 886-4-26868636

Fax: 886-4-26868636

Email: info@velosaddles.com Website: www.velosaddles.com President: Stella Yu / 余彩雲

See ads on page 4-5

# W



# WELLGO PEDAL'S CORP.

# 維格工業股份有限公司

3, Gong 7th Rd., Youth Ind. Park, Dajia Dist., Taichung City 437, Taiwan

台中市大甲區幼獅工業區工七路3號

Tel: 886-4-26816991-5

Fax: 886-4-26816988

Email: wd@mail.wellgo.com.tw

Website: www.wellgopedal.com President: Shirley Yu / 余秋香

See ads on page 184



# WHOLE MAN ENTERPRISE CO., LTD.

### 浩盟企業股份有限公司

47, Beicheng Rd., North Dist., Tainan City 704, Taiwan 台南市北區北成路47號

Tel: 886-6-2825791-2

Fax: 886-6-2825746

Email: prowheel@ms13.hinet.net Website: www.pro-wheel.com.tw

President: Tim Kao / 高丁男

See ads on page 174

# X

# 瑞德機械工業股份有限公司 XRIDER Industrial Co., Ltd.

# XRIDER INDUSTRIAL CO., LTD.

# 瑞德機械工業股份有限公司

No. 5-9, Jiushe Rd., Houli Dist., Taichung City 42148. Taiwan

台中市後裡區舊社路5-9號 Tel: 886-4-25588947

Fax: 886-4-25588037

Email: info@xrider.co; nick@xrider.co President: Mr. Nick Chin / 秦宏銘

See ads on page 115





# YE CHOU INDUSTRY CO., LTD. 昱州興業股份有限公司

44, Ln. 8, Sec. 1, Changmei Rd., Changhua City, Changhua County 500, Taiwan 彰化市彰美路一段8巷44號

下el: 886-4-7282177

Fax: 886-4-7225763

Email: yechou@ms29.hinet.net Website: www.bikehand.com President: Ramond Ho / 何複雄

See ads on page 206



# YOTA CYCLES CO., LTD.

# 嘉大企業股份有限公司

No. 96-2, Ln. 96, Xinfeng Rd., Caotun Township, Nantou County 542, Taiwan 南投縣草屯鎮新豐路96巷96-2號 Tel: 886-49-2310011

Fax: 886-49-2310077

Email: minchou@yotacycles.com Website: www.yotacycles.com President: Walter Chou / 周水來

See ads on page 116



# YU HUB INDUSTRIAL CO., LTD. 昱泓工業有限公司

17-17, Luntzijiao Rd., Sihu Township, Changhua County 514, Taiwan

彰化縣溪湖鎮崙子腳路17-17號

Tel: 886-4-8811738

Fax: 886-4-8812386

Email: info@wheelmate.com.tw Website: www.yuhub.com.tw President: Wan-Tun Huang / 黃萬盾



# YUEBO ELECTRIC TECHNOLOGY CO.,LTD(BOFEILI E-BIKE SYSTEM)

# 太倉悅博電動科技有限公司

No. 38, Qingdao West Road, Taicang, 215400,

Jiangsu, China

江蘇省太倉市青島西路38號 Tel: 86-512-53584007

Fax: 86-512-53990550 Email: info@yuebo.net.cn Website: www.yuebo.net.cn President: Sarah Gao / 高曉榮

See ads on page 129



# YUNG FANG PLASTIC CO., LTD. 永芳塑膠有限公司

306, Sec. 4, Changnan Rd., Fenyuan Township, Changhua County 502, Taiwan

彰化縣芬園鄉彰南路4段306號

Tel: 886-49-2522259 Fax: 886-49-2524553

Email: yungfang@yungfang.com.tw Website: www.yungfang.com.tw

President: Chien-Kuo Chen / 陳見國

See ads on page 198



# YUNTONG POWER CO., LTD. 世豹新能源有限公司

South China Modern Chinese Park, Nanlang Town 528454, Zhongshan, Guangdong, China 廣東省中山市南朗鎮華南現代中醫藥城 世豹園區

Tel: 86-760-23699095

Email: info@spardbattery.com; yuntongpower@ yuntong-batt.com

Website: www.spardbattery.com Contactperson: Milla Chen / 陳曉明

See ads on page 124



# ZEIT BICYCLE INDUSTRIAL CO., LTD. 柴特工業有限公司

9, Ln. 350, Chhanghua Rd., Huatan Township,

Changhua County 503, Taiwan

彰化縣花壇鄉彰花路350巷9號

Tel: 886-4-7882956

Fax: 886-4-7880847

Email: zeit josie@seed.net.tw President: Ruei Fu Tseng / 曾瑞富

See ads on page 190



# ZENITH (SANEGLE) SPORTS CO., LTD. 傑爾斯(三鷹)運動自行車有限公司

No. 3 Hengsan Rd, Heshun Xiaxi Industrial Park

A, Foshan City, Guangdong, China

佛山市南海區裡水鎮和順夏西工業區橫三路3號之三

Tel: 86-757-86324962

Fax: 86-757-86239588

Email: saneagle@saneagle.com Website: www.saneagle.com

President: Kunhua Zhou / 周昆華

See ads on page 9



### ZHEJIANG BAOGUILAI VEHICLE CO., LTD.

### 浙江寶歸來車業有限公司

No. 2768, South Erhuan West Road, Wucheng District, Jinhua City, Zhejiang Province, China, 321000

浙江省金華市婺城區南二環西路2768號3號

Tel: 86-579-82799268

Fax: 86-579-82799260

Email: admin@baogl.com Website: www.baogl.com

President: Yang, Qunbao / 楊群寶

See ads on page 117

# ZHEJIANG XIANGYI VEHICLE CO., LTD.

# 浙汀祥益重業有限公司

No. 2768, South Erhuan West Road, Wucheng District, Jinhua City, Zhejiang Province, China, 321001

浙江省金華市婺城區南二環西路2768號3號

Tel: 86-579-82799268 Fax: 86-579-82799260 Email: admin@baogl.com Website: www.baogl.com

President: Yang,Qunbao / 楊群寶

# Manufacturers by Country & Area List of Suppliers

# Cambodia / 柬埔寨

# DA CHAO SHONG CO., LTD. 大造熊公司

Tai Seng Bavet Special Economic Zone, National Road. 1, Bavet City, Svay Rieng Province, Cambodia

Tel: 86-885-44712265

Email: dachaoshong@gmail.com

# China / 中國

# ACETRIKES BICYCLES (T.C.) CO., LTD. 見誠自行車(太倉)有限公司

No. 168, Zhenghe M. Rd., Lu Du Town, Taicang City, Jiangsu, China

汀蘇省太倉市陸渡鎮鄭和中路168號

Tel: 86-512-53452188 Fax: 86-512-53456215

Email: kenwu@accbike.com.cn; jenny@acebike.

com cn

Website: www.jce-jcb.com President: King Wu / 巫堯明

# ADK TECHNOLOGY LIMITED. 艾迪克復材科技(惠州)有限公司

Longhu Rd., Dongjiang Ind. Zone, Shuikou, Huizhou 516005, Guangdong, China 中國廣東省惠州市惠城區水口龍湖大道東江工業區 (516005)

Tel: 86-752-2323868 Fax: 86-752-2323869

Email: kenneth@adktec.com

Website:

President: Alexander Chen / 陳瀚文

# **CHUAN WEI METAL PRODUCTS** (K.S.) CO., LTD.

# 全維金屬製品(昆山)有限公司

No.580, Xinghui Road, Economic Development Zone, Kunshan, Jiangsu, China 江蘇省昆山經濟技術開發區星輝路580號

Tel: 86-512-57615996 Fax: 86-512-57615998 Email: info cn@chainwav.com Website: www.samox.com.tw President: Wei Yu Cheng / 鄭維裕

# CIONLLI BICYCLE COMPONENTS (TAI CANG) CO., LTD.

### 祥力自行車配件(太倉)有限公司

41 Dong Fang Road, Lu Du Town, Tai Cang City, China 215412.

江蘇省太倉市陸渡鎮東方路41號 Tel: 86-512-53456799

Fax: 86-512-53451397 Email: sales.tc@cionlli.com Website: www.cionlli.com

President: Ching Song Lee / 李清松

# CIONLLI BICYCLE COMPONENTS (TIAN JIN) CO., LTD.

# 祥力自行車配件(天津)有限公司

No. 239 Shunda Street, Dagang Economic Development Zone, Binhai New Area Of Tianjin City, China 300270.

天津市大港區安達工業園順達街239號

Tel: 86-22-63313388 Fax: 86-22-63313389 Email: sales.tj@cionlli.com Website: www.cionlli.com President: Ching Song Lee / 李清松

# CIXI HENGFENG VEHICLE CO., LTD. 慈溪市恆豐車業有限公司

No. 168 Bullding, North Industrial zone, Fuhai Town, Cixi City, Ningbo, China 浙江省寧波市慈溪市附海鎮海晏家電園16幢 Tel: 86-574-63569242 Fax: 86-574-63564820 Email: hf@hfbike.com Website: www.hfbike.com/

# D.MAG(KUNSHAN) NEW MATERIAL TECHNOLOGY CO., LTD.

### 鼎鎂(昆山)新材料科技有限公司

No. 188 Nanhe Road Kunshan Jiangsu China 江蘇省昆山市經濟技術開發區南河路188號 Tel: 86-512-57639000

Fax: 86-512-57639001

Email: company@giant-alloy.com Website: www.giant-alloy.com President: Henry Tho / 塗季冰

President: Han Bai Jun / 韓佰軍

# DDK CYCLE (NAN TONG) CO., LTD. 永豐銘車料(南通)有限公司

Nantong Economic & Technological Development Area, Nantong City, Jiangsu, China 中國江蘇省南通市開發區新東路9號7號樓(電子精 密園區)

Tel: 86-513-85981209

Fax: 86-513-83591008

Email: ddk-cn188@activeddk.com

Website:

President: Jack Tsai / 蔡尚滄

### **DNM CHINA RUHON SUSPENSION** CO., LTD.

### 深圳市如宏減振器有限公司

No. 13 Jinyuan 2 Road, The Third Industrial Of Newbridge, Shajing Street, Bao'an District, Shenzhen City, 518125 China 深圳市寶安區沙井新橋第三工業區金元2路13號

Tel: 86-755-29882495

Fax: 86-755-29882846 Email: dnmshox@163.com Website: www.dnmshock.com President: Ryan Pai / 白耀順

# DONG TAI ZHAO FENG METAL PRODUCTS MANUFACTUREING CO., LTD.

### 東台兆豐金屬製品製造有限公司

No. 15 Linta Road, Linta Electromechanical Industrial Park, Liangduo Town, Dongtai City, Jiangsu, China

江蘇省東台市梁垛鎮臨塔機電產業園臨塔路15號 Tel: 86-512-57617989

Fax: 86-512-57617990

Email: zf587@pub.sz.jsinfo.net; kszf\_888@163. com; kszf8888@vip.163.com

Website: www.kszfjs.com President: N. F. Chen / 陳年豐

# DONGGUAN YENYUE MACHINERY CO., LTD.

# 東莞元渝機械有限公司

No. 62 Kirin Ridge Rd., Shahu Village, Tangxia Town, Dongguan City, China 廣東省東莞市塘廈鎮沙湖村麒麟嶺路62號 Tel: 86-769-86852366 Fax: 86-769-86852388 Email: ksyenyue@kindshock.com.cn

Website: www.exa-form.com President: Martin Hsu / 許榮裕

# **EASY & CONVENIENT** INTERNATION CORPORATION.

# 東莞謝崗展翰鋁製品廠

5th Ind. Park, Xiegang Town, Dongguan City, Guangdong, China 東莞市謝崗鎮第五工業區 Tel: 86-769-87769786 Fax: 86-769-87769787

Email: manage@easytec.com.cn Website:

President: Peter Chen / 陳漢宗

# FOSHAN SHUNDE YONG OING BICYCLE PARTS CO., LTD.

# 佛山市順德區永慶自行車零件有限公司

No. 1 Cheng Ye Road, Daliang Shunde, Foshan, Guangdong, China

廣東省佛山市順德區大良街道辦事處古鑒村委會成業 路1號首層之一(車間B)

Tel: 86-7572-2626559

Fax: 86-7572-2626459 Email: sdneco@vip.126.com,

Website: www.necoparts.com President: Neco Wang / 王進源

# GIANT (CHINA) CO., LTD. 捷安特(中國)有限公司

No. 1 Shun Fan Rd., Kunshan City, Jiangsu China 江蘇省昆山工業區洪湖路889號

Tel: 86-512-57709888 Fax: 86-512-57709688

Email: gck10465@giant.com.cn Website: www.giant.com.cn

President: Liu Xiao Yu / 劉曉雨

# GIANT (KUNSHAN) CO., LTD. 捷安特(昆山)有限公司

#.889, Hong-Hu Road, Kunshan Economic & Technical Development Zone, Jiang Su 215300 江蘇省昆山經濟技術開發區洪湖路889號

# GIANT CO., LTD. (T.J.) 捷安特(天津)有限公司

No. 12, Shun-Farn Rd., Jinghai Econ. Dev. Zone, Tianjin, China 天津市靜海經濟開發區順帆路12號

Tel: 86-22-59528888

Fax: 86-22-59528000

Email: giant16888.cn.alibaba.com Website: www.giant-tj.com.cn President: Young Liu / 劉湧昌

# **GIANT ELECTRIC VEHICLE** (KUNSHAN) CO., LTD. 捷安特電動車(昆山)有限公司

# No. 1 Yuehe South Rd., Kunshan City, Jiangsu

江蘇省昆山市經濟技術開發區樾河南路1號 Tel: 86-521-57725888

Fax: 86-521-57725388

Email:

Website: www.giantev.com.cn President: Steven Shi / 施宏揚

# GICHING BICYCLE PARTS (S.Z.) CO., LTD. 巨群自行車配件(深圳)有限公司

No. 208, Bulong Road, Shang Shui Ching, Buji Town, Long Gang Distric, Shenzhen, China 深圳市龍崗區布吉鎮上水徑村布龍路208號 Tel: 86-755-28576688

Fax: 86-755-28522147 Email: info@velosaddles.com

Website: www.velosaddles.com President: Stella Yu / 余彩雲

# List of Suppliers Manufacturers by Country & Area

# GREENWAY BATTERY CO., LTD. 東莞博力威電池有限公司

Tonghui Road, Dongcheng Science Park, Dongguan, China 廣東省東莞市東城區同沙新工業園 Tel: 86-796-27282088 Fax: 86-769-22290098 Email: info@greenway-battery.com Website: www.greenway-battery.com President: Roger Ho / 何啟明

# HL CHINA CORP. (T.C.) 太倉信隆車料有限公司

Liu Tai Rd., Lu Du Town,Taicang City, Jiangsu Province, China 江蘇省太倉市陸渡鎮三港村瀏太路 Tel: 86-512-53451820 Fax: 86-512-53451810 Email: sales\_t@hlcorp.com.cn Website: www.hlcorp.com President: H. J. Liao / 廖學金

# HL CORP (HONG KONG) 信隆實業(香港)有限公司

20F, Wui Tat Centre, 55 Connaught Rd. West, Hong Kong 香港上環幹諾道西55號會達中心20樓 Tel: 86-512-53451821 Fax: 86-512-53451810 Email: linda@hlcorp.com.hk

# HL CORP (SHENZHEN) 深圳信隆健康產業發展股份有限公司

The 3rd Ind. Park, Bitou Vil., Song Gang Town, Baoan Dist., Shenzhen 518105, China 廣東省深圳市寶安區松崗街鎮碧頭村第三工業區 (518105)

Tel: 86-755-27130184 Fax: 86-755-27130095 Email: sales-c@hlcorp.com.cn Website: www.hlcorp.com.cn President: H. J. Liao / 廖學金

# HL CORP (TIANJIN) 天津信隆實業有限公司(天津)

Shuangtang Metal Product Industry Park, Shuangtang Town, Jinghai Tianjin 301600, China. 中國天津市靜海縣雙塘鎮雙塘高檔五金製品產業團 ( 靜陳路·崔揚路口) (301600)

Tel: 86-22-59591888 Fax: 86-22-59592088 Email: sales\_tj@hlcorp.com Website: www.hlcorp.com

# HONG XING ENT. CO., LTD. 句容宏興車料有限公司

No. 8, Yang Tang Gang, Yang Tang Rd., Jurong City, Jiangsu Province, China 江蘇省句容市揚塘崗揚塘路8號 Tel: 86-511-87271465~8 Fax: 86-511-87276842 Email: shunshin@ms10.hinet.net Website: www.s-shun.com President: Shun-Hsi Hung / 洪舜喜

# HONGLI BICYCLE PARTS CO., LTD. 宏力自行車配件(順德)有限公司

Lian Du Road, Fu An Industrial Park, Le Liu Town, Shunde District, Fo Shan City, Guang Dong, China 528322.

廣東省彿山市順德區勒流鎮富安工業區連杜大道 Tel: 86-757-23662661 Fax: 86-757-25559720 Email: sales.sd@cionlli.com Website: www.cionlli.com.tw President: Ching Song Lee / 李清松

# HSIN-TECH (S.Z.) CO., LTD. 深圳信碟科技有限公司

The 3rd Ind. Park, Bitou Vil., Song Gang Town, Baoan Dist., Shenzhen 518105, China 深圳市寶安區松崗鎮碧頭村第三工業區 Tel: 86-755-27144860~2 Fax: 86-755-27144863~4 Email: princess@hsin-tech.com Website: www.hsintech.com President: H. J. Liao / 廖學金

# J.D. METAL INDUSTRIAL (S.Z.) CO., LTD. 元大金屬實業(深圳)有限公司

Changchun Road No.183shangcun Community Gongming Office Guangming New District Shenzhen, City China 深圳市光明新區公明街道辦上村社區長春路183號 TEL 86-755-27152456 Fax: 86-755-27152488 Email: info@jdco.com.tw Website: www.tranzx.com

# KENDA RUBBER (CHINA) CO., LTD. 建大橡膠(中國)有限公司

President: Alan / 黃耀俊

No. 2 Kunjia Road, Kun Shan Economic Development Area, Kun Shan Jiang Su, China 江蘇省昆山市蓬朗鎮昆嘉工業區昆嘉路2號 Tel: 86-512-57614172 Fax: 86-512-57614171 Email: kcb0100@kenda.com.cn Website: www.kendatire.com President: Yang, Ying-Ming / 楊銀明

# KENDA RUBBER (SZ.) CO., LTD. 建泰橡膠(深圳)有限公司

West Of Industrial Road, Dalang Street Boan County, Shenzhen Guangdong 518109, China 中國廣東省深圳市寶安區大浪街道工業西路 Tel: 86-755-28095282 Fax: 86-755-28115123 Email: ksb0100@kenda.com.cn Website: www.kendatire.com President: Ying-Ming Yang / 楊銀明

# KENDA RUBBER (TIAN JIN) CO., LTD. 建大橡膠(天津)有限公司

No.8 Taian Road, Tianyu Science And Technology Park, Jinghai Country, Tianjin City, China. 天津市靜海區靜海經濟開發區南區泰安道6號、8號 Tel: 86-22-59526666-7 Fax: 86-22-59529678 Email: kts1200@kenda.com.cn

Website: www.kendatire.com President: Yang, Ying-Ming / 楊銀明

# LINHAO TECHNOLOGY (HUIZHOU) CO., LTD.

# 良豪科技(惠州)有限公司

2F, Building C, No. 28, Dongmeng Road, Puziduzhu Village, Lilin Town, Zhongkaigaoxin District, Huizhou City, China 廣東省惠州仲凱高新區瀝林鎮埔仔獨竹村東盟路28 號廠房C二樓

Tel: 86-752-3326001 Fax: 86-752-3326006 Email: lin@piowaybike.com Website: www.linhaotech.com President: Lin / 林彦宏

# MERIDA BICYCLE (CHINA) CO., LTD.

# 美利達自行車(中國)有限公司

No. 278, Ji Hua Rd., Buji St., Shenzhen, China 深圳市布吉街道吉華路278號 Tel: 86-755-28522410 Fax: 86-755-61624578 Email: julie@merida.com.cn Website: www.merida.com.cn President: Michael Tseng / 曾崧柱

# MERIDA BICYCLE (SHANDONG) CO., LTD. 美利達自行車(山東)有限公司

No. 2388, Jinghua Rd., Dezhou Economic Dev. Zone, Shandong 253034, China 山東省德州經濟開發區晶華路2388號 Tel: 86-534-5018398 Fax: 86-534-5018395 President: Michael Tseng / 曾崧柱

# MERIDA BICYCLE(JIANGSU) CO., LTD. 美利達自行車(江蘇)有限公司

No. 11, Xin Xin Dong Road, Nantong Economic & Technological Development Area, Nantong City, Jiangsu, China 中國江蘇省南通經濟技術開發區新興東路11號

Tel: 86-513-89058848 Fax: 86-513-85926171

# NANJING DAXIN NEW ENERGY VEHICLE CO., LTD.

### 南京大鑫新能源車業有限公司

Block B, Xiangnian Square, Hexi District, Tianjin, Prc

南京市高淳區經濟開發區雙高路86號標準廠房工期6號廠房

Tel: 86-22-28219699 Email: alvin.sun@daxincheye.com Website: www.daxin-ne.com/ President:

# RUIZHEN BICYCLE COMPONENT (T.C.) CO., LTD.

# 瑞振車料(太倉)有限公司

President: Tony Hsu / 許國忠

No. 22, Dongxin Rd., Ludu Town, Taicang City, Jiangsu, China 江蘇省太倉市陸渡鎮東新路22號 Tel: 86-512-82776589 Fax: 86-512-82776588 Email: richard@sunnywheel.com Website: www.sunnywheel.com.tw

# Manufacturers by Country & Area List of Suppliers

# **SHANDONG TAISHAN RUIBAO** COMPOSITE MATERIAL CO., LTD.

# 山東泰山瑞豹複合材料有限公司

High & New Technology Development Zone (West Of No.4 Road), Laoling City, Shandong,

山東省樂陵市高新技術開發區(4號路西側)

Tel: 86-534-6807865 Fax: 86-534-6667789 Email: kevin@rbcarbon.com Website: www.parduscvcle.com President: Terry Wang / 王春青

# SHANGHAI PARAGON INDUSTRY IMP & EXP CO., LTD.

### 上海彩森進出口有限公司

8/B Haixing Mansion 1 Ruijin Road South, Shanghai China

上海市瑞金南路1號海興廣場8樓B座 Email: sales@paragonbikes.com Website: www.paragonbikes.com

# SHENZHEN DAHON TECHNOLOGY, LTD. 深圳市美大行科技有限公司

18, Songtang Road, Tongfuyu Industrial Part, Tangxiayong Community, Songgang Sub-District, Baoan, Shenzhen, China 518105

深圳市寶安區松崗街道沙浦社區藝展四路8號藝展商 務大廈801

Tel: 86-755-36869788 Fax: 86-755-36869210

Email: contact@dahon.com; sales@dahon.com

Website: www.dahon.com President: Dr. David T. H / 韓德瑋

# SHENZHEN MOZO TECHINOLOGY CO., LTD.

# 深圳市摩大科技有限公司

#121 Minsheng Industrial City, Gongming Town, Guangming New Dis., Shen Zhen 深圳市光明新區公明民生工業城121棟

Tel: 86-755-23193129 Fax: 86-755-29694455 Email: www.mozo.bike Website: sales@usamozo.com President: Eva Liu / 劉群華

# SHUN SHING ENT. CO., LTD. 句容舜興車料有限公司

No. 8, Yang Tang Gang, Yang Tang Rd., Jurong City, Jiangsu, China

江蘇省句容市揚塘崗揚塘路8號 Tel: 86-511-87271465~8

Fax: 86-511-87276842 Email: shunshin@ms10.hinet.net Website: www.s-shun.com

President: Shun-Hsi Hung / 洪舜喜

# SHUZ TUNG MACHINERY (K.S.) CO., LTD.

### 旭東機械(昆山)有限公司

#7, Jinyang Rd., Kunshan Econ. & Tech. Dev. Zone, Hefeng Complete Ind. Area, Jiangsu, China 江蘇省昆山經濟技術開發區合豐配套區金陽路7號

Tel: 86-512-57672699 Fax: 86-512-57672966

Email: shuztung@shuztung.com.cn Website: www.shuztung.com President: Taylor Chuang / 莊添財

### **SKY SPEED METAL PRODUCTS (T.C.)** CO., LTD.

### 天迅金屬製品(太倉)有限公司

Liutai Rd., Ludu Town, Taichang City, Jiangsu, China

江蘇省太倉市陸渡鎮瀏太路 Tel: 86-512-53456675

Fax: 86-512-53456680 Email: aforge@aforge.com.tw

President: Jian Chi Huang / 黃健次

# SR SUNTOUR (S.Z.) INC. 榮輪科技(深圳)有限公司

Suibei Industrial Zone, Suibei Road Gongming Town, Guangming New District, Shenzhen, China 深圳市光明新區公明鎮水貝路水貝工業區

Tel: 86-755-27105533 Fax: 86-755-27105633

Email: dt@srsuntour.com.cn

Website: www.srsuntour-cycling.com President: Daisuke Kobayashi / 小林大裕

# SR SUNTOUR MACHINERY (K.S.) CO., LTD. 榮輪機械(昆山)有限公司

1500 Honghu Road, Kunshan 江蘇省昆山市開發區洪湖路1500號

Tel: 86-512-55188088 Fax: 86-512-55171113

Email: charles@srsuntour.com.tw Website: www.srsuntour-cycling.com President: Daisuke Kobayashi / 小林大裕

# SUZHOU BAFANG ELECTRIC MOTOR SCIENCE-TECHNOLOGY CO., LTD.

# 八方電氣 (蘇州)股份有限公司

No. 9 Heshun Road, Loufeng Town, Suzhou Industy Park, Suzhou, Jiangsu, China 江蘇省蘇州工業園區婁葑鎮和順路9號

Tel: 86-512-65974188 Fax: 86-512-87171277

Email: bf@szbaf.com Website: www.szbaf.com

President: Wang Qing Hua / 王清華

# SUZHOU KMC INDUSTRY AND TRADE CO., LTD.

# 蘇州桂盟科恩斯工貿有限公司

No. 68, Fuda Rd., Ludu Town, Taicang City, Jiangsu, China

江蘇省太倉市陸渡鎮富達路68號 Tel: 86-512-53451661

Fax: 86-512-53451668

Email: kmcshmarket@kmcchain-ind.com Website: www.kmcchain.com.cn

President: Daniel Wu / 吳瑞章

# SUZHOU KMC INDUSTRY AND TRADE CO., LTD. SHENZHEN BRANCH. 蘇州桂盟科恩斯工貿有限公司深圳分公司

Kuei Meng Industrial Park, Fuan Road, Gui Hua Chuen, Guan Lan, Long Hua, Shenzhen, China 深圳市龍華區觀瀾街道富安路桂盟工業園

Tel: 86-755-27700111

Fax: 86-755-27700116

Email: szkmcim@kmcchain-ind.com

Website: www.kmcchain.com President: Robert Wu / 吳盈進

# SUZHOU KMC INDUSTRY AND TRADE CO., LTD. TIANJIN BRANCH.

### 蘇州桂盟科恩斯工貿有限公司天津分公司

No. 9, Hsinan Rd., Tianiin Econ, & Tech, Dev. Area (Teda), Tanggu, Tianjin, China

中國天津市塘沽天津經濟技術開發區西區新安路9號

Tel: 86-22-66320988 Fax: 86-22-66320989

Email: tibc@kmcchain-ind.com Website: www.kmcchain.com.cn President: Daniel Wu / 吳瑞章

# TAICANG XIANGYUE SPORTS **EOUIPMENT CO., LTD.**

### 太倉市祥躍運動器材有限公司

No. 88, Zhenjiang Road, Bangiao Town, Taicang City, Jiangsu, China

江蘇省太倉市板橋鎮鎮江路88號

Tel: 86-13915780569 Fax: 86-512-53455715

Email: arc\_bike@126.com Website: www.arc-china.com

# TIANCHEN BICYCLE-PARTS (S.Z.) CO., LTD. 天成車料 (深圳) 有限公司

No. 6 of 1st Industry Rd., Xianwu Group Shijing Village, Guanlan Town, Bao An Country,

Shenzhen, China

深圳市寶安區觀瀾鎮福民冼屋村工業一路6號

Tel: 86-755-28012794 Fax: 86-755-28012795

Email: aforge@vip.163.com; aforge@aforge.

President: George Chang / 張德成

# TIANJIN GOLDEN WHEEL BICYCLE (GROUP) CO., LTD.

# 天津金輪自行車集團有限公司

Building C19, Entrepreneurial Headquarters Base, Wuqing District, Tianjin, China. 天津市武清區創業總部基地C19

Tel: 86-22-59698877 Fax: 86-22-59698833

Email: gw@goldenwheelgroup.com Website: www.goldenwheelgroup.com

President: Yufeng Yang / 楊玉峰

### TIANJIN TECH DEVELOPMENT CO., LTD.

### 天津明特(誌慶)科技開發有限公司

No. 17, 24th Road Jinhai Economic Development Zone, Jinhai Town, Tianjin, China

天津市靜海縣經濟開發區南區24號路17號 Tel: 86-22-59591629

Fax: 86-22-59591630 Email: neco@necoparts.com Website: www.necoparts.com President: Neco Wang / 王進源

# VELO CYCLE (KUN SHAN) CO., LTD 維樂車料(昆山)有限公司

No. 101 Yuehe South Road Kunshan, Jiangsu ,China

中國江蘇省昆山市樾河南路101號

Tel: 86-512-57710289 Fax: 86-512-57700441 Email: info@velosaddles.com Website: www.velosaddles.com

President: Stella Yu / 余彩雲

# List of Suppliers Manufacturers by Country & Area

# WELLGO CYCLE ACCESSORIES (K.S.) CO., LTD.

### 維格車料(昆山)有限公司

#103, Yueh Ho S. Rd., Econ. & Tech. Dev. Zone, Kunshan, Jiangsu, China 江蘇省昆山市經濟技術開發區樾河南路103號 Tel: 86-512-57701991 Fax: 86-512-57701995 Email: wellgo@wellgopedal.cn Website: www.wellgopedal.cn President: Chen Yu Chiu Shiang / 余秋香

# WETTSEN CORP.

### 瑋辰(龍口)實業有限公司

Long Kou Foreign-Orientedindustrial Processing Zonelong Kou, Shandong China 山東省龍口市龍口外向型工業加工區 Tel: 86-535-8880888 Fax: 86-535-8885789 Email: jack@fairlybilce.com Website: www.wettsen.com.cn President: Percy Chien / 簡敬修

# WUXI LASCO PRECISION MACHINE CO., LTD.

### 萊斯克(無錫)精密機件有限公司

No. 9, Fu Rong 3rd Rd., Dong Bei Tang Town, Xishan Park, Wuxi City 214191, Jiangsu, China 江蘇省無錫市錫山區東北塘鎮芙蓉西三路9號 Tel: 86-510-83779078 Fax: 86-510-83779079

Fax: 86-510-837/9079 Email: lillylai@lasco.com.tw Website: www.lasco.com.tw President: Jack Lai / 賴沂松

# XYZ ALUMINIUM PRODUCTS (TANG CANG) CO., LTD. 益昌鋁製品(太倉)有限公司

No. 2 Tai-Pei Road, Yue-Wang District, Sha-Xi Town, Tai-Cang City, Jiang-Su Province, China 江蘇省太倉市沙溪鎮岳王臺北路2號

Tel: 86-512-53458348 Fax: 86-512-53458322 Email: alextc53456636@163.com

Website: www.alexrims.com President: Alex Chen / 陳威瑾

# YEBAO BICYCLE INC. (S.Z.) CO., LTD. 野寶車料工業(深圳)有限公司

5038 Pingshan Boulevard, Pingshan District, Shenzhen, China 深圳市坪山區坪山大道5038號 Tel: 86-755-84622900 Fax: 86-755-84622904 Email: info@apro-tek.com Website: www.apro-tek.com President: Boris Lin / 林柏維

# YONGQI (CHINA) BICYCLE INDUSTRIAL CORP.

President: Tai Shan Chang / 張泰山

### 永祺(中國)車業股份有限公司

No. 89, Chuang Xin Avenue, New District, Chang Zhou City, Jiangsu Province, China 江蘇省常州市新北區創新大道89號 Tel: 86-519-69883888 Fax: 86-519-69882158 Email: bruce@yong-qi.com

# YUEBO (BOFEILI) ELECTRIC TECHNOLOGY CO., LTD.

### 太倉悅博電動科技有限公司

No. 38, Qingdao West Road, Taicang,215400, Jiangsu, China 江蘇省太倉市青島西路38號 Tel: 86-512-53584007 Fax: 86-512-53990550 Email: info@yuebo.net.cn Website: www.yuebo.net.cn President: Sarah Gao / 高曉榮

# YUNG FANG PLASTIC METAL (K.S.) CO., LTD.

# 永芳塑膠金屬(昆山)有限公司

#1236, Hong Qiao Rd., Kunshan, Jiangsu, China 江蘇省昆山市虹橋路1236號 Tel: 86-512-57789731

Fax: 86-512-57789731 Email: yuta107@163.com

President: Chien-Kuo Chen / 陳見國

# YUNTONG POWER CO., LTD. 世豹新能源有限公司

South China Modern Chinese Park, Nanlang Town 528454, Zhongshan, Guangdong, China 廣東省中山市南朗鎮華南現代中醫藥城世豹園區 Tel: 86-760-23699095

Email: info@spardbattery.com; yuntongpower@yuntong-batt.com

Website: www.spardbattery.com Contactperson: Milla Chen / 陳曉明

# ZENITH (SANEGLE) SPORTS CO., LTD.

# 傑爾斯(三鷹)運動自行車有限公司

No. 3 Hengsan Rd, Heshun Xiaxi Industrial Park A, Foshan City, Guangdong, China

佛山市南海區裡水鎮和順夏西工業區橫三路3號之三 Tel: 86-757-86324962

Fax: 86-757-86239588 Email: saneagle@saneagle.com

Website: www.saneagle.com President: Kunhua Zhou / 周昆華

# ZHEJIANG BAOGUILAI VEHICLE CO., LTD.

# 浙江寶歸來車業有限公司

No. 2768, South Erhuan West Road, Wucheng District , Jinhua City, Zhejiang Province, China, 321000

浙江省金華市婺城區南二環西路2768號3號

Tel: 86-579-82799268 Fax: 86-579-82799260

Email: admin@baogl.com

Website: www.baogl.com President: Yang, Qunbao / 楊群寶

# ZHEJIANG XIANGYI VEHICLE CO., LTD.

### 浙江祥益車業有限公司

No. 2768, South Erhuan West Road, Wucheng District, Jinhua City, Zhejiang Province, China, 321001

浙江省金華市婺城區南二環西路2768號3號

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Website: www.baogl.com President: Yang, Qunbao / 楊群寶

# Czech Rep / 捷克

### MARWI CZ S.R.O.

Mala Velen-Jedlka 22, 40502 Decin, Czech Republic

Tel: 412-586259 Fax: 412-586257 Email: info@marwi.cz Website: www.marwi.cz President: Patrick Pai / 白政忠

# Germany / 德國

# MERIDA & CENTURION GERMANY GMBH.

Tel: 49-71599459600 Fax: 49-71599459500 Website: www.merida.de

# MESSINGSCHLAGER GMBH & CO. KG.

Hassbergstr. 45, 96148 Baunach, Germany Tel: 49-9544-944445 Fax: 49-9544-9444963

Email: bt@messingschlager.com Website: www.messingschlager.com President: Benno Messingschlager

# PAUL LANGE & CO. OHG

Hofener Strase114D-70372 Stuttgart Germany Tel: 49-711- 2588320 Fax: 49-711- 258827320 Email: info@paul-lange.de Website: www.paul-lange.de

Website: www.paul-lange.d President: Bernhard Lange

# SR SUNTOUR EUROPE GMBH.

Riedstrasse 31, 83627 Warngau, Germany Tel: 49-8021-507930 Fax: 49-8021-5079329 Email: service@srsuntour-cycling.com

President: Daisuke Kobayashi / 小林大裕

# Indonesia / 印尼

### KENDA RUBBER(INDONESIA)

Jl.Raya Cikande Rangkasbitung Km. 5, Desa Kareo, Kec. Jawilan Serang, Banten,Indonesia Tel: 62-2547951355

Fax: 62-2547951341

Email: kendaid@kenda.com.tw Website: www.kendatire.com

# P.T. MARWI INDONESIA.

JI Raya Curug Km.2, Kp, Cisereh, Ds, Kadu Jaya Kec. Curug, Tangerang 15810, Indonesia Tel: 21-5981111

Fax: 21-5980238

Email: info@marwi.com.tw Website: www.marwi.com.tw President: Patrick Pai / 白政忠

# Manufacturers by Country & Area List of Suppliers

# Netherlands / 荷蘭

# GIANT EUROPE B.V. 捷安特歐洲廠-荷蘭

Pascallaan 66, 8218 Njlelystad, Thenetherlands Tel: 86-320-296296 Fax: 86-320-296200

Website: www.giant-bicycles.com President: King Liu / 劉金標

### KMC CHAIN EUROPE B.V.

Businesspark Friesland West 33 NI-8447 SI Heerenveen, The Netherlands Tel: 31-513650690 Fax: 31-513650740 Email: info@kmcchhain.nl

Website: www.kmcchain.eu President: Deborah Wu

### MARWI EUROPE B.V..

Innsbruckweg 49, 3047 Ag Rotterdam,

Netherlands Tel: 10-2088060 Fax: 10-2088069 Email: info@marwi.nl Website: www.marwi-eu.com President: 白政忠

# Poland / 波蘭

### EBFEC GROUP SP. Z O.O.

Graniczna 8c, Prologis II 57-61, 54-610 Wroclaw, Poland

Tel: 86-512-337221 Email: info@ebfec.bike Website: www.ebfec.eu

# Taiwan / 台灣

# ABELTECH CO., LTD. 楷伸科技有限公司

203, Chengkong 6th St., Chupei City, Hsinchu County 302, Taiwan

新竹縣竹北市成功六街203號 Tel: 886-3-6583147 Fax: 886-3-6585674

Email: joe@abeltech.com.tw Website: www.abeltech.com.tw President: Joe Yang

# ABONMAX CO., LTD. 銘旺實業股份有限公司

9, Tzu-Chiang 4th Road Chung-Li Industrial District. Taiwan 桃園市中壢區工業區自強四路9號

Tel: 886-2-8976-9056 Fax: 886-2-8976-9431

Email: service@abonmax.com.tw jeff\_hsieh@abonmax.com.tw

# ACECAST INDUSTRIAL CO., LTD. 克佳興業股份有限公司

215, Zhongping 9th St., Taiping Dist., Taichung City 411, Taiwan

台中市太平區中平九街215號 Tel: 886-4-22706191 Fax: 886-4-22708734 Email: dnm@dnmshock.com Website: www.dnmshock.com

President: 白燿順

# ACETRIKES IND. CO., LTD. 見誠工業股份有限公司

146, Ln. 439, Sec. 4, Changshui Rd., Sihu Township, Changhua County 514, Taiwan 彰化縣溪湖鎮彰水路四段439巷146號 Tel: 886-4-8825925-6 Fax: 886-4-8851345 Email: albertyang@acebike.com.tw

Website: www.jce-jcb.com President: King Wu / 巫堯明

# ADK TECHNOLOGY LIMITED.

### 環捷科技有限公司

792, Sec. 2, Taiwan Blvd., Taichung City 40756, Taiwan 台中市台灣大道二段792號

Tel: 886-4-36069630 Fax: 886-4-36069633 Email: kenneth@adktec.com Website: www.adktec.com

Website: www.adktec.com President: Kenneth Yen / 嚴國榮

# ADVANCED POWER TECHNOLOGY CO., LTD. 安沛動力科技股份有限公司

No. 80, Ln. 288, Jianguo Rd., Zhunan Township, Miaoli County 35049, Taiwan

苗栗縣竹南鎮建國路288巷80號 Tel: 886-3-7630212 Fax: 886-3-7630213 Email: yh@treearth.com.tw Website: www.advpower.cn President: 郭崑生

# A-FORGE ENT. CO., LTD. 九川實業股份有限公司

193-1, Sec. 1, Shenlin Rd., Daya Dist., Taichung City 428. Taiwan

台中市大雅區神林路一段193-1號

Tel: 886-4-25676851 Fax: 886-4-25682995

Email: aforge@aforge.com.tw; aforge@ms29. hinet.net

Website: aforge.com.tw/

President: George Chang / 張德成

# ALEX GLOBAL TECHNOLOGY INC. 亞獵士科技股份有限公司

21-2, Beishizhou, Minghe Vil., Shanshang Dist., Tainan City 743, Taiwan

台南市山上區明和裡北勢洲21-2號

Tel: 886-6-5782151

Fax: 886-6-5782394

Email: alexrims@alexrims.com.tw Website: www.alexrims.com President: Alex Chen / 陳威瑾

# A-PRO TECH CO., LTD. 野寶科技股份有限公司

16, You 9th Rd., Dajia Dist., Taichung City 437, Taiwan 台中市大甲區幼九路16號 Tel: 886-4-26821688 Fax: 886-4-26821699 Email: info@apro-tek.com Website: www.apro-tek.com

# President: Boris Lin / 林柏維 AVERTRONICS INC

### 映興電子公司

No. 10 Gongyegu 19th Rd, Nantun Dist, Taichung, Taiwan 台中市南屯區工業區19路10號 Tel: 886-4-23581581 Fax: 886-4-23581828 Email: sales@avertronics.com Website: www.avertronics.com President: Austin Lai / 賴柄源

# BITEX INDUSTRIAL CO., LTD. 旺輪工業股份有限公司

No. 140-1,Lanmei Ln., Hesheng St., Shigang Dist., Taichung City 42254, Taiwan 台中市石岡區德興裡和盛街南眉巷140-1號 Tel: 886-4-24527696 Fax: 886-4-24527096 Email: bitex@bitexhubs.com; min@bitexhubs.com Website: www.bitexhubs.com President: David Hsieh / 謝德耀

# CHEPARK ENTERPRISE CO., LTD. 鶴立達股份有限公司

No. 28-3, Aly. 118, Ln. 332, Sec. 8, Huanzhong Rd.,Wuri Dist., Taichung City 414, Taiwan 台中市烏日區環中路八段332巷118弄28號之3 Tel: 886-4-23359906

Fax: 886-4-23352591

Email: jerry.chepark@msa.hinet.net Website: www.chepark.com

# CHING CHERN INDUSTRIAL. CORP. 欽成工業股份有限公司

147, Sec. 4, Zhangshui Rd., Xihu Township, Changhua County 51414, Taiwan 彰化縣溪湖鎮彰水路四段147號

Tel: 886-4-8852429 Fax: 886-4-8855419

Email: ching.chern@msa.hinet.net Website: www.chingchern.com.tw President: Huei Lin Hsu / 徐惠玲

# CHOSEN CO., LTD. 喬紳股份有限公司

No.151, Ln325, Kanding Rd., Xianxi Township, Changhua County, Taiwan,

彰化縣線西鄉下犁村崁頂路325巷151號

Tel: 886-4-7588889

Fax: 886-4-7588727

Email: chosen.twn@msa.hinet.net Website: www.chosenhubs.com President: Ching Shu Chen / 陳青樹

# CHUAN WEI IND. CO., LTD. 全維工業股份有限公司

No. 245, Ln. 589, Sec. 2, Shanjiao Rd., Yuanlin City, Changhua County 510, Taiwan 彰仁縣員林市振興裡山腳路二段589巷245號 Tel: 886-4-8314959 Fax: 886-4-8311428 Email: info@chainway.com Website: www.samox.com.tw President: Wei Yu Cheng / 鄭維裕

# CIONLLI IND. CO., LTD. 祥力金屬工業股份有限公司

323, Zhonghua Rd., Nankang Ind. Park, Nantou City, Nantou County 540, Taiwan 南投市南崗工業區中華路323號 Tel: 886-49-2254526-8 Fax: 886-49-2254529 Email: service@cionlli.com Website: www.cionlli.com President: Ching Song Lee / 李清松

# DARFON ELECTRONICS CORP. 達方電子股份有限公司

**運力電子股份月限公司** No. 167, Shanying Rd., Guishan Dist., Taoyuan

City 333, Taiwan 桃園縣龜山鄉山鶯路167號 Tal: 886-3-2508800

Tel: 886-3-2508800 Fax: 886-3-2507169

Email: sales-1@darfon.com.tw Website: www.darfon.com

# List of Suppliers Manufacturers by Country & Area

# DP MOTORS CO., LTD. 帝普電機有限公司

No. 136, Jingguo Road, Dajia District Taichung City, Taiwan

台中市大甲區經國路136號 Tel: 886-4-26760330 Fax: 886-4-26760332 Email: info@dpmotors.tw

Website: www.dnmotors.tw President: 榑林文雄

# DYNAPACK INTERNATIONAL **TECHNOLOGY CORPORATION.**

# 順達科技股份有限公司

13F., No. 188, Wenhe Rd., Guishan Dist., Taoyuan City 333, Taiwan

桃園市龜山區文禾路188號13樓

Tel: 886-3-3963399 Fax: 886-3-3960008

Email: evelyn.chiu@dynapack.com.tw

Website: www.dynapack.com.tw President: Tm Chung / 鍾聰明

# ECHOWELL ELECTRONIC CO., LTD. 名世電子企業股份有限公司

7F-8, 8, Sec. 1, Zhongxing Rd., Wugu Dist., New

Taipei City 248, Taiwan 新北市五般區中興路一段8號7樓之8

Tel: 886-2-89769726

Fax: 886-2-89769727

Email: sales@mail.echowell.com.tw Website: www.echowell.com.tw President: George Lee / 李敏雄

# FAIRLY BIKE MFG. CO., LTD. 菲力工業股份有限公司

4, Shengli St., Tucheng Ind. Park, Tucheng Dist.,

New Taipei City 236, Taiwan

新北市土城區土城工業區勝利街4號

Tel: 886-2-22687166

Fax: 886-2-22681839 Email: fairly@fairlybike.com Website: www.fairlybike.com

President: C. H. Chien / 簡正雄

# FOMING BICYCLE PARTS CO., LTD. 鋒明興業股份有限公司

183, Sec. 1, Yuanlu Rd., Tongan Vil., Fusing Township, Changhua County 506, Taiwan 彰化縣福興鄉同安村員鹿路一段183號

Tel: 886-4-7775931 Fax: 886-4-7783156

Email: fm@activesaddles.com.tw Website: www.activeddk.com

President: Richard Tsai / 蔡文瑞

# **FUL CHEE ENT CO., LTD** 富錡企業股份有限公司

No. 26, Fong-Ming Rd., Da-Ya Dist., Taichung City, 42872, Taiwan

台中市大雅區鳳鳴路26號

Tel: 886-4-25605818

Fax: 886-4-25605806

Email: skewer@fulchee.com Website: www.fulchee.com President: Jerry Liu / 劉武奇

# **GIANT GROUP HEADQAURTERS**

### 巨大集團全球營運總部

No. 999, Sec. 1, Dongda Rd., Xitun Dist., Taichung City 407, Taiwan

台中市西屯區東大路一段999號

Tel: 886-4-24609099

Fax: 886-4-24627558

Email: kevinchiu@giant.com.tw

Website: www.giant-bicycles.com

# President: Bonnie Tu / 杜綉珍

# HAFNY CO., LTD. 黑芙尼有限公司

296, Nanbei 4th Rd., Dehua Vil., Dajia Dist., Taichung City 437, Taiwan

台中市大甲區德化裡南北4路296號

Tel: 886-4-26883285

Fax: 886-4-26887149

Email: hafny.com@msa.hinet.net

Website: www.hafny.com.tw

# **HUANG WEI TECHOLOGY** ENTERPRISE CO., LTD. 皇瑋科技企業有限公司

Taichung City 439, Taiwan

台中市大安區南北八路101巷8-1號

Tel: 886-4-26882543

Fax: 886-4-26889002

Email: huang.kuomiu@msa.hinet.net Website: http://www.hw-welding.com.tw

President: Huang Kuo Miu / 黃國謀

# J.D COMPONENTS CO., LTD. 久鼎金屬實業股份有限公司

80, Nan Dee Lane, Shan Hsi Village, Shou Shui Hsiang, 504 Chang Hua Hsien, Taiwan 彰化縣秀水鄉陝西村湳抵巷80號

Tel: 886-4-7681756

Fax: 886-4-7680575

Email: info@jdco.com.tw

Website: www.tranzx.com

President: Tina / 林碧玉

# JALCO INDUSTRY CO., LTD. 展輪工業股份有限公司

22, Sec. 1, Changyuan Rd., Changchun Vil., Huatan Township, Changhua County 503, Taiwan 彰化縣花壇鄉長春村彰員路1段22號

Tel: 886-4-7870767

Fax: 886-4-7870788

Email: jalco\_jl@yahoo.com.tw

Website: www.maddux-wheels.com

President: Lai Chien Chen / 陳來建

# KENDA RUBBER IND. CO., LTD. 建大工業股份有限公司

146, Sec. 1, Chung Shan., Yuanlin City, Changhua

County 51037, Taiwan 彰化縣員林市中山路一段146號

Tel: 886-4-8345171

Fax: 886-4-8331865

Email: kenda@kenda.com.tw

Website: www.kendatire.com President: Jimmy Yang / 楊啟仁

# KIND SHOCK HI-TECH CO., LTD.

# 凱薩克科技股份有限公司

70947, Taiwan

台南市安南區安新二路298號

Tel: 886-6-2568575

Fax: 886-6-2567293

Email: kssale@kindshockglobal.com

Website: www.kssuspension.com

# President: Martin Hsu / 許榮裕

# 桂盟國際股份有限公司

8F-1, No. 425, Jhonghua Rd., Yongkang Dist.,

KMC (KUEI MENG) INTERNATIONAL INC.

Tainan City 710, Taiwan

台南市永康區中華路425號8樓-1

Tel: 886-6-2019103

Fax: 886-6-2019107

Email: kmcweb@kmcchain.com

Website: www.kmcchain.com

President: Robert Wu / 吳盈進

# KUN TENG INDUSTRY CO., LTD. 崑藤工業股份有限公司

269, Sec. 3, Minsheng Rd., Shanfong Vil., Daya

Dist., Taichung City 428, Taiwan

台中市大雅區上楓裡民生路三段269號

Tel: 886-4-25661311

Fax: 886-4-25667555

Email: kttw@g-lai.com.tw Website: www.kttw-hub.com

President: Hubert Chen / 陳浚欽

# LEADTEC CO., LTD.

### 利慶工業股份有限公司

27, Fukong Rd., Fusing Township, Changhua

County 506, Taiwan

彰化縣福興鄉福工路27號

Tel: 886-4-7691125-9 Fax: 886-4-7697206

Email: leadtec-kenny@umail.hinet.net

Website: www.leadtec.com.tw/

President: Kenny Lee / 李金隆

# LIANG FENG MACHINE CO., LTD. 良豐機械股份有限公司

3, Dong 1st St., Youth Ind. Park, Dajia Dist.,

Taichung City 437, Taiwan 台中市大甲區幼獅工業區東一街3號

Tel: 886-4-26820629

Fax: 886-4-26820609 Email: Ifmcl.chen@msa.hinet.net; cycthefirst@

gmail.com

Website: www.lfzfmcl.com/ President: N. F. Chen / 陳年豐

# LUNGE INDUSTRY CO., LTD.

輪耀股份有限公司 36, Gongyegu 20th Rd., Dali Ind. Park, Taiping

Dist., Taichung City 411, Taiwan 台中市太平區大裡工業區工業20路36號

Tel: 886-4-22712969

Fax: 886-4-22712979

Email: lunge@lasco.com.tw

Website: www.lasco.com.tw President: Jack Lai / 賴沂松

# Manufacturers by Country & Area List of Suppliers

# MARWI TAIWAN INDUSTRIAL CO., LTD. 台萬工業股份有限公司

56, Chungyi 3rd Rd., Dajia Dist., Taichung City 437, Taiwan

台中市大甲區重義三路56號 Tel: 886-4-26881234 Fax: 886-4-26882141

Email: sales@marwi.com.tw Website: www.marwi.com.tw President: Patrick Pai / 白政忠

# MERIDA INDUSTRY CO., LTD. 美利達工業股份有限公司

116, Meikang Rd., Meikang Vil., Dacun Township, Changhua County 515, Taiwan

彰化縣大村鄉美港村美港路116號 Tel: 886-4-8526171

Fax: 886-4-8527881-2 Email: bicycle@merida.com.tw Website: www.merida.com

President: Michael Tseng / 曾崧柱

# METALLICA INTERNATIONALL CO., LTD. 穎灣企業有限公司

No. 20 Jingke Central 1st Rd Nantun Dist., Taichung City 408, Taiwan 台中市南屯區精科中一路20號 Tel: 886-4-23553186

Fax: 886-4-23553187

Email: grace chung@metallica.com.tw Website: www.skorpionbikes.com President: Scott Chang / 張建業

# MICROLITE IND. CO., LTD. 台灣微粒有限公司

No. 301, Gaoshi Rd., Yangmei Dist., Taoyuan City 326103, Taiwan

桃園市楊梅區高獅路301號

Tel: 886-3-4788731 Fax: 886-3-4854695

Email: microlit@ms1.hinet.net Website: www.microlite.com.tw President: Eddy Hsiao / 蕭源豐

# MING CYCLE IND. CO., LTD. 永祺車業股份有限公司

No. 50, Lane 462, Guang Shing Road, Taiping Dist, Taichung City, 411 Taiwan 台中市太平區光興路462巷50號

Tel: 886-4-22713395 Fax: 886-4-22713398

Email: mingbike@ms9.hinet.net Website: www.mingcycle.com.tw President: Tai Shan Chang / 張泰山

### MYCARR LIGHTING TECHNOLOGY CO., LTD.

# 新傑燈光科技有限公司

1, Lane 174, Jung Young Road, Chang Hua 500, Taiwan

彰化市中央路174巷1號 Tel: 886-4-7621381

Fax: 886-4-7612263 Email: alice.juang@mycarr.com Website: www.mycarr.com President: Jack Shih / 施仁傑

# NECO TECHNOLOGY INDUSTRY CO., LTD. 誌慶工業股份有限公司

No. 190, Zhongzheng Rd., Wufeng Dist., Taichung City 41362, Taiwan

台中市霧峰區萬豐裡中正路190號

Tel: 886-4-23323966

Fax: 886-4-23322866

Email: neco@necoparts.com Website: www.necoparts.com

President: Neco Wang / 王進源

# OTC TEC INT'L CO., LTD.

### 國泰鑫國際有限公司

20F.-9, No. 282, Shizheng N. 2nd Rd., Xitun Dist., Taichung City 407, Taiwan

台中市西屯區 市政北二路282號20F-9

Tel: 886-4-22513436 Fax: 886-4-22519753

Fmail: otc@otc-tec.com.tw

President: Alan Lu / 呂忠洋

# RST GREENERGY TECH. CO., LTD. 金毅達實業股份有限公司

No. 9, Ln. 371, Huacheng Rd., Xinzhuang Dist., New Taipei City 242, Taiwan

新北市新莊區化成路371巷9號 Tel: 886-2-85212351

Fax: 886-2-85216159

Website: www.rstsuspension.com

President: 蔡明達

# SHUN SHING BICYCLE CO., LTD 舜興工業股份有限公司

53, Site S. Rd., Wufong Dist., Taichung City 413, Taiwan 台中市霧峰區四德南路53號

Tel: 886-4-23332756

Fax: 886-4-23322766

Email: shun@s-shun.com Website: www.s-shun.com President: S. H. Hung / 洪舜喜

# SHUN XIN CO., LTD. 舜新金屬有限公司

No. 30, Ln. 530, Guangxing Rd., Taiping Dist., Taichung City 411, Taiwan

台中市太平區光興路530巷30號

Tel: 886-4-22711688 Fax: 886-4-22711677

Email: mounkuang@sxmetal.com President: Jin-Chao Jhang / 張錦超

# SHUZ TUNG MACHINERY IND. CO., LTD. 旭東機械工業股份有限公司

#17-1, Houliao Rd., Datong Vil., Waipu Dist., Taichung City 438, Taiwan

台中市外埔區大同裡後寮路17-1號

Tel: 886-4-26831886 Fax: 886-4-26836158

Email: stmc@shuztung.com.tw Website: www.shuztung.com

President: Taylor Chuang / 莊添財

# SR SUNTOUR INC. 榮輪科技股份有限公司

7, Xingyeh Rd., Fuhsing Ind. Park, Fusing Township, Changhua County 506, Taiwan

彰化縣福興鄉福興工業區興業路7號

Tel: 886-4-7695115 Fax: 886-4-7694028

Email: service@srsuntour.com.tw

Website: www.srsuntour-cycling.com President: Daisuke Kobayashi / 小林大裕

# SUNNY WHEEL IND. CO., LTD.

### 瑞振工業股份有限公司

No. 61, San Yi St, Yihsing Tsun, Hsiushui Hsiang, Changhua County 504, Taiwan 彰化縣秀水鄉義興村三義巷61號

Tel: 886-4-7616189 Fax: 886-4-7612008

Email: service@sunnywheel.com.tw Website: www.sunnvwheel.com.tw President: Tony Hsu / 許國忠

# TARNG YU ENTERPRISE CO., LTD. 唐虞企業股份有限公司

New Taipei City, Wugu Dist., Wuguan 6th Rd., No. 43., Taiwan 新北市五股區五權六路43號

Tel: 886-2-89903338 Fax: 886-2-89903330

Email: harry@tyu.com.tw Website: www.tyu.com.tw

President: Chin Wen Teng / 鄧景文

# TAYA CHAIN CO., LTD.

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Email: info@tayachain.com; taya.224@tayachain.

com; tyrone.wu@tayachain.com Website: www.tayachain.com President: Hua-Tien Wu / 吳華田

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	1 \
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