

A&G www.bikenews.online

E-BIKE & BIKE MARKET

2018 Eurobike, Interbike Show Edition

UPDATE



Europe's E-Bike Revolution Continues Apace

Update on Taiwanese firms in Vietnam

Clarifying US E-Bike Legislation

Giant to Establish Hungary Factory

Myanmar: Where Second-Hand Bicycles Rule

Bafang New Drive Systems

Incentives Scheme Boosting E-Bike Sales

US E-Bike Imports Face 25% Tariff

Annick Roetynck Q&A

Jimmy Yang Takes the Helm as President of Kenda

2019 Taipei Show Changes Back to March

TranzX
inspiring your ride



ANTISHOCK
STEM/POST

www.tranzx.com



**DESIGN
UPGRADE
TRANZX
DROPPER
POSTS**

www.tranzx.com

ENGINEERED
TO MAKE YOU

Smile

M800 MINI MID MOTOR SYSTEM

FOR E-ROAD RACING STYLE BIKES, INCLUDING GRAVEL AND CYCLOCROSS:

200 W output and a max torque of 55 Nm, system weight: less than 4.4 kg, double chainring compatibility, InTube battery with 200Wh, quiet and low resistance operation

bafang-e.com

NEW

M800 | 55 Nm




POWER YOUR LIFE

BAFANG



eBike CHAIN LINK TO POWER

- 🔗 All new advanced riveting tech
- 🔗 Unparalleled rigidity, strength, and exceptional chain life
- 🔗 Compatible with  **BOSCH** e-Bike systems



KMC (KUEI MENG) International Inc.
www.kmcchain.com
f KMC Chain

KMC Chain Europe B.V.
www.kmcchain.eu
f t i KMC Chain Europe B.V.

KMC Chain American Co.
www.kmcchain.us
f t i KMC Bicycle Chain

Pursue limit, quality assurance



JINHUA STARS ALLOY RIMS CO.,LTD

ADD:Hanxiang Jindong Jinhua Zhejiang China TEL:0086-579-82863555 82862899 82862679

FAX:0086-579-82863908 P.C:321032 E-mail:stars@stars-rim.com

www.stars-rim.com

JEE ANN BICYCLE

A professional bicycle manufacturer

OEM

If you have any idea to make new bike, no matter the cargo bike or electric bike, let us help you make dream come true.

✉ vincent@jeeann.com.tw



<http://www.jeeann.com.tw>

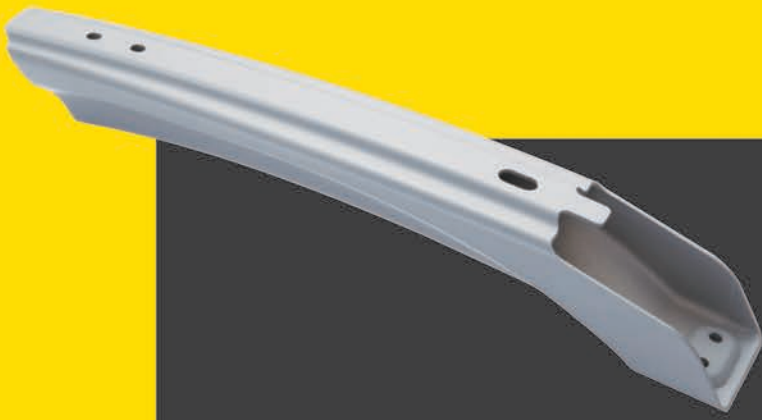


886-49-2253116



886-49-2253091





HYDROFORMED ELEMENTS



SHUZTUNG MACHINERY IND. CO., LTD.
STMC@SHUZTUNG.COM.TW



OUTBACK

BAG GEARS



ITEM: SB-0164



Size : 2.5"/12"x6.5"x18"

ITEM: FB-0059



Size : 17.5"*2.5"*8.5"

ITEM: HB-0055



Size : 18.5"*10.5"

GUNIOR ENTERPRISE CO.,LTD

No.253, Chang Sheng Rd., Waipu Dist., Taichung City 43865, Taiwan

TEL: 886-4-26831571~3

FAX: 886-4-26831570

www.outback-bag.com

service@outback-bag.com

AT1 Series 高性能变速套件

HIGH QUALITY AND PERFORMANCE

LTWOO Controller Technology Co., Ltd. mainly engaged in the development of high-end bicycle spare parts production and development of high-tech enterprises, is China's bicycle transmission system manufacturers and the overall solution of the first brand.

The company was founded in July 2013, Zhuhai, the company combines research, development, design, manufacturing, sales and service in one, the main products are transmission system of high-end folding bike, mountain bikes and road bikes.

Our design team has 20 years of experience in the industry. We owned a number of independent technical invention patent, the product design concept mainly originated from Germany Swift, which has the characteristics of the bold and unconstrained, accurate, stable and durable. The company has been awarded the "2016CHINA CYCLE" Innovative products Award winning products, the eighth governor cup Industrial Design Competition outstanding design award.

From the creation date, LTWOO implemented a serious standard which is higher than the general level of the industry in design, production and inspection. The company also purchased advanced testing equipment from abroad and organize person to learn professional test methods, we believe that the quality is responsible for the consumer. Through unremitting efforts, the LTWOO eventually won the recognition of the market, and had a steady growth in sales.

In the future, we will continue to provide a safer, more comfortable, accurate drivetrain, and constantly go beyond ourselves, so that the LTWOO could become the driving force of the bicycle transmission industry.



LTWOO
www.ltwoo.com

Add: Floor 2, Building 5, Maker Town,
Jinwan District, Zhuhai City,
Guangdong Province, China, 519090

TEL: +86-756-7795779 +86 13923376272
FAX: +86-756-7795850 Email: pw@ltwoc.com



COOL DOWN YOUR E-BIKE

We Solve Thermal Engineering Problem of E-Bike Batteries and Motors

Dissipate the heat of batteries, hub motors and mid drive motors through thermal interface materials is already adapted by international corporations.

**Exhibition
Special Offer**

for T-Global Customer

Come and show this. We
offer a drink for you!

Expiry date:
31.12.2018

Contact us now for details
and thermal simulation service



Booth
A6-318
July 8-10, 2018
Messe Friedrichshafen

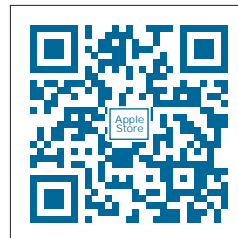
T-Global Technology Co., Ltd | Your Total Thermal Solution Partner

Tel: +886-3-3618899 E-mail: service@tglobal.com.tw
www.tglobalcorp.com No.33, Ln.50, Daren Rd., Taoyuan Dist., Taoyuan City, Taiwan

Taiwan Bicycle Product Info – Available Any Time, Any Place



Taiwan Bicycle Source, the global bicycle industry's most essential purchasing guide is available for iPhones via an app. Thanks to its detailed and comprehensive information, user-friendly interface, and proven marketing effectiveness, TBS has become the most professional, practical, and complete purchasing guide for the world's cycle industry.



WG 輪彥國際有限公司
WHEEL GIANT INC.

R 軟實力傳媒有限公司
Soft Power Media Co., Ltd.

No. 193, Tzu-Chiang Rd., Changhua 50095, Changhua, Taiwan
Tel: 886-4-7350500, 7360794~5 / Fax: 886-4-7357860
rep@mail.wheelgiant.com.tw / www.bikenews.online

Shanghai 86-512-57515789 / Ningbo 86-574-88210669
Tianjin 86-22-28137963 / Shenzhen 86-755-81789589



Taichung Bike Week

By the
bike industry
for the
bike industry.

Taiwan's world-class OEM event,
exclusively for industry insiders.



Taichung Bike Week
9 / 26~28, 2018



04-7350500、04-7360794



The Most Comprehensive and Focused Bicycle Multimedia Publisher

The Home of Global Bicycle Information.



Big Guide

Pocket Issue

DVD

Smart Phone App

USB

Hearty Facts for Healthy Deals.



Bike Market Update (Chinese)



Bike Market Update (English)



CBES



Outside



Cycling Update



Bicycling



輪彥國際有限公司
WHEEL GIANT INC.

軟實力傳媒有限公司
Soft Power Media Co., Ltd.

No. 193, Tzu-Chiang Rd., Changhua 50095, Changhua, Taiwan
Tel: 886-4-7350500, 7360794~5 Fax: 886-4-7357860
E-mail: rep@mail.wheelgiant.com.tw Website: www.bikenews.online

Shanghai Tel: 86-512-57515789 Tianjin Tel: 86-22-28137963
Ningbo Tel: 86-574-88210669 Shenzhen Tel: 86-755-28069189



Wireless Bike Alarm

working w/ Smartphone

100M
Transmission range

10 Days
Power on standby mode



Bike bottle cage



Anti-Theft



LED Light



Bike Finder



Linking Map

Features

- Built-in 2.4GHz wireless technology & G-Sensor for bike security.
- The transmitter will send a signal to a smartphone and buzz when the bike is moved.
- Effective transmission range: 100 meters (open sight)
- There are 4 modes:
 - (1) Anti-theft: Use a message, buzzer, vibration to notify.
 - (2) LED light: Constant lighting, Fast flashing, Slow flashing.
 - (3) Bike finder: Help to find bike with buzzer or flashlight.
 - (4) Map: Position recording function via app.
- Show battery / anti-theft / tail light / bike finder / power status on free app download.
- Changeable 3 pcs AAA battery
- Battery can keep for 10 days (standby mode)
- Built in High Volume Buzzer



Bike Alarm

Work w/ Smartphone

Available on the App Store

Google play



Auto Link



Light



Rainproof



Buzzer



Vibration



Map



Setting

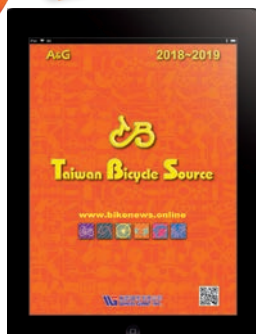
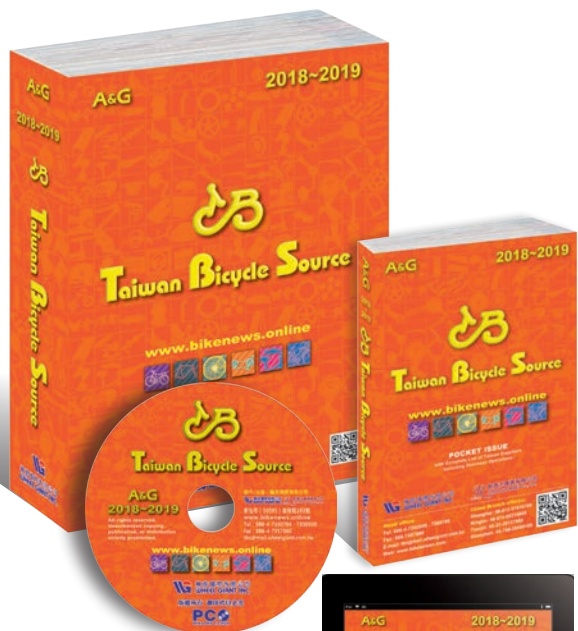


ABEL TECH
SUPPORT YOUR LIFE
AN A+ COMPANY

Website: www.abeltech.com.tw E-mail: sales@abeltech.com.tw
Tel: +886 3 658 3147 Fax: +886 3 658 5674

A&G

The Wheel Giant website now features a downloadable TBS e-catalog to help you access information quickly.



Visit our website to access all the information available in TBS 2018

We are now entering a period where commerce will be dominated by electronic media. The Wheel Giant website: www.biketaiwan.com contains all the same practical, accurate and comprehensive information you know from the book. But now you can access it even faster and more conveniently. Our user-friendly search engines make it easier to find what you want from a cast of hundreds of companies and thousands of products.

www.bikenews.online

A&G www.bikenews.online

E-BIKE & BIKE MARKET

2018 Eurobike, Interbike & Europe Show Edition

UPDATE

Publisher, President & Editor-in-Chief: Grace S. Ruan

Advisory Board: Charles Wu, Charlie Yang, Edward Lin, George Lin, Glenn Yin, Jim Liao, Jimmy Yang, King Liu, Masao Chien, Michael Tseng, Mo Hua Yang, Rong Kuei Wan, Susan Su, Victor Sun, Ying Ming Yang

Deputy Editor in Chief: Daphne Chen

Vice President: Jerry Wu

Managing Editor: Bred Wu

Associate Managing Editor: Sony Chang

Editorial Director: Sarah Chiang

Translation Editors: Glen Lucas

Editorial Captain: Saya Wu

Editorial Staff: Leon Wu, Yung Jen Lee, Zong Shih, Sunny Cao, Bob Bao, Robert Hornsey

Editorial Assistant: Ping Chou, Oliver Wang

Digital Publishing Dept. Captain: Stan Hsu

Art Designer: Jin, Penny Yao, Chunfang Xu, Yuan Peng

Advertising: Joey Huang, Davy Lin, Rick Lin, Tom Lai, Penny Yao, Melody Hsu, Scott Chiu, Kevin Wu

Secretary: Jean Huang

Administration: Angela Chen, Emily Chen, Trina Ke, Catherine Chen, Jonathan Wang

Computer Center: Robert Lin, Stephen Hu, Nidix Ni

Head Office: No. 193, Tze-Chiang Rd., Changhua City 50095, Taiwan

Tel: 886-4-7350500, 7360794-5

Website: <http://www.bikenews.online>

E-mail: tbs@mail.wheelgiant.com.tw

Sales Dept. Fax: 886-4-7357860

Editorial Dept. Fax: 886-4-7360789

Taipei Branch Office: 7F., #80, Fushing North Rd., Taipei, Taiwan

Tel: 886-2-27522477, 27400737 / **Fax:** 886-2-27733028

Advertising: Pelin L. Lee

China Offices

Shanghai Branch Office: No. 1111, Building A, No. 18, Weiye Rd., Kunshan Development Zone, Kunshan, Jiangsu, China

Tel: 86-512-57515789, 86-512-57516309 **Fax:** 86-512-57515789-8199

Shenzhen Branch Office: Room 2230-2231, Jin Xiu Jiangnan, Meilong Rd., Longhua Town, Baoan Dist., Shenzhen, China, 518000

Tel: 86-755-28069189 **Fax:** 86-755-28069089

Tianjin Branch Office: Room 3403, Unit 1, Building 17, Merchants Diamond Hills, Olympic Sports Center East, Weijin South Rd., Nankai Dist., Tianjin, China

Tel: 86-22-28137969

Ningbo Branch Office: Room 2003, Building 1, Homei Garden No.666, Yangmuqi Rd., Ningbo, Zhejiang, China

Tel/Fax: 86-574-88210669

U.S. Branch Office: 3630 W. Pioneer Pkwy., Suite 127, Arlington, TX 76013, U.S.A.

Tel: (817) 860-7299 **Fax:** (817) 860-7499

Reporter: Monica Bostick

Printing Consultants: Liu Ming Hsiung, Tim T. H. Ku

Printing: Chuen Fung Enterprise Co., Ltd.

Plate Maker: Chuen Fung Enterprise Co., Ltd.

Binding: TON-E Book Binding

Legal Advisor: Chenyi Law Firm / Chang Lee Chung

Publisher

輪彥國際有限公司
WHEEL GIANT INC.

軟實力傳媒有限公司
Soft Power Media Co., Ltd.

Copyright 2018 by Wheel Giant Co., Ltd.

All Rights Reserved. Nothing in this magazine may be reprinted in whole or in part, by electronic retrieval or any other means, without the express permission of the publisher.

Publishing approval number for China: Shengen, China (2015), No. 6.

版權所有 翻印必究
局版臺省業字第283號

Published on: 4 July 2018

Charged up and ready to roll



Grace S. Ruan

The great popularity of electric bicycles, especially in the European market, has given a major boost to the sales of bicycle groups such as the Accell Group, Pon Holding, and ZEG, and even the US and Japanese e-bike markets have enjoyed robust growth. E-bikes have become the bicycle industry's new cash cow! Although Taiwan's bicycle industry was a bit late to the game, it has made extraordinary efforts to catch up. TBA Chairman, Michael Tseng has called on the industry to step up the development of e-bikes and look for new market opportunities, of which the R&D of parts and components is the most urgent. Numerous assembly plants and producers of frames, parts, and accessories have introduced new e-bike products this year; some companies have become the chief vendors to the leading European and American brands.

China produces 30 million e-bikes annually, and 94% of these are sold on the Chinese domestic market. Although exports to the EU increased significantly during the last two years, the quantity of Chinese e-bikes shipped to Europe is still limited. Bafang's motor sales in the EU have been growing, and its reputation has been improving. Many European brands now use Bafang products. The EU performed a formal investigation of Chinese e-bike dumping and subsidies in September 2017, which has alarmed Chinese firms and induced their spirited self-defense. In a much-awaited event, the EU is expected to announce temporary anti-dumping measures and an anti-subsidy duty rate this July. But no matter what happens, the trend toward electric bicycles is creating huge opportunities.

Bicycle companies are gradually reaching a key stage in the hand-off to a new generation of managers, and are making the preparations needed for a smooth and seamless transition. Recently, KTM President Carol Chen handed over control of the company to her daughter and a professional manager. Kenda Rubber President Y.M. Yang was promoted to group Chairman, and handed over the Chairman position to

younger brother Jimmy Yang, who is skilled at international marketing, corporate investment, and M&As.

This year's Taipei Cycle Show has been moved from March to the end of October. Regarding this change, many people in the industry have claimed that, without the Taipei show to anchor the first half of the year, buyers who would have done purchasing in Taipei can now only visit the Shanghai show in May, causing Taiwan's companies to miss opportunities. Because of this, TAITRA recently made a formal announcement that the Taipei Cycle Show will be moved back to March during the next three years (2019-2021).

As the market changes and manufacturing conditions in China become tougher, more and more Taiwanese bicycle companies are choosing to establish plants in Southeast Asia or Europe, and, in particular, a growing number are setting up shop in Vietnam. Thanks to the country's advantages, there are currently close to 50 Taiwanese-owned parts manufacturers and assembly plants in Vietnam (See the report in this issue on Taiwanese bicycle firms in Vietnam for a further look at this trend). In addition, some other companies in the industry have opted to move closer to their markets by establishing plants in Europe. For instance, Giant has decided to open a plant in Hungary, and will hold a groundbreaking ceremony in Budapest on July 5, and parts and accessories firms are expected to follow Giant's lead. Although the global bicycle market is still in recession, bicycle companies in Taiwan are as full of vitality as ever, and are continuing to purchase equipment and invest in automation, plant expansion, and new overseas plants. As a result, they are actively enhancing their competitiveness, and getting ready to take advantage of the next time of prosperity.

CONTENTS



◆ A Word From The Publisher

15 Charged up and ready to roll

◆ Top Stories

22 Update on Taiwanese firms in Vietnam

◆ Special Reports

50 Europe's E-Bike Revolution Continues Apace

130 Myanmar: Where Second-Hand Bicycles Rule

◆ All about E-Bikes

58 Incentives Scheme Boosting E-Bike Sales

60 Clarifying US E-Bike Legislation





- 70 US E-Bike Imports Face 25% Tariff
- 71 Richmond's E-bike Elegance
- 72 VanMoof Launch Anti-Theft E-Bike Range
- 74 Bafang Introducing New Drive Systems
- 78 T-Global Technology's heat conduction solutions
- 80 Hyena and Brose form a strategic partnership
- 82 E-bike product gallery

Personalities

- 110 Annick Roetyncq Q&A
- 113 Jimmy Yang takes the helm as Chairman of Kenda
- 114 Giant to Establish Hungary Factory
- 116 CBA Chairman Ma Zhongchao Talks about China's Bicycle Exports
- 117 Liu Suwen Takes Charge as New CBA Chairman

Global Briefs

- 129 New Management at KTM
- 138 ABA Holds Shanghai Meeting

Product News

- 148 Velo's Unrivaled Injection Molding Advantage
- 150 Vee Tire Expand on Flow Snap Range
- 151 Prologo Expands Dimension Range
- 152 New Product Gallery

Taiwan Industry News

- 175 2019 Taipei Show Changes Back to March
- 176 Honey Hope Honesty solves motor problems





Bicycles

Featured Position :

Bafang Electric(Suzhou)Co., Ltd.2
 Jee Ann Bicycle Co., Ltd.5
 J.D Components Co., Ltd. **Inside Front Cover, 1**
 T-Global9

Main Body :

Aprove Products Co., Ltd.45
 Avertronics Inc.47
 High Power Technology Inc.49
 Honlin Heavy Industries Co., Ltd48
 Metallica Internationall Co., Ltd.46
 Saola Cycle92
 Youn Live Industry Co., Ltd.77



Frames / Frames Parts

Featured Position :

Chin Haur Ind. Co., Ltd.200
 Kind Shock Hi-Tech Co., Ltd.199
 Neco Technology Industry Co., Ltd.194
 Shuz Tung Machinery Ind. Co., Ltd.6, 144

Main Body :

Acecast Industrial Co., Ltd.98
 ADK Technology Limited.93
 A-Forge Ent. Co., Ltd.104
 Caribou Enterprise Co., Ltd.94
 Far And Near Inc.106
 Ful Chee Ent Co., Ltd107

Hope Industrial Corporation108
 Hua Hsines Ind. Co., Ltd.105
 Huang Wei Techology Enterprise Co., Ltd.95
 Jiun Yih Bicycle Ind. Co., Ltd.99
 Kai Cheng Bicycle Parts Co., Ltd.100
 Liang Feng Machine Co., Ltd.101
 Ora Engineering Co., Ltd.96
 Shenzhen Easing Metal Products Co., Ltd.102
 Shenzhen Lizhixin Technology Co., Ltd..103
 Shun Xin Co., Ltd.109
 U-Logis Co., Ltd.97



Wheel Parts

Featured Position :

Jinhua Stars Alloy Rims Co., Ltd.4
 Joy Industrial Co., Ltd. **Inside Back Cover**
 Kenda Rubber Ind. Co., Ltd. **Back Cover**

Main Body :

Bitex Industrial Co., Ltd.123
 Chosen Co., Ltd.124
 Foshan Spartan Technology Co., Ltd.126
 Gin Ter Industry Co., Ltd.122
 Gumonder Industrial Co., Ltd.118
 Hwa Fong Rubber Ind. Co., Ltd.119
 Mitroc Fortune Co., Ltd.120
 Otrajet Inc.121
 Vee Rubber70, 149
 Yu Hub Industrial Co., Ltd.125



Transmission Parts

Featured Position :

KMC Chain Ind. Co., Ltd.	3
Ltwo Bicycle Parts Co., Ltd.	8

Main Body :

Andel Enterprise Co., Ltd.	140
Lanxi Wheel Top Cycle Industries Ltd.	141
Ridea Group Limited	142
Whole Man Enterprise Co., Ltd.	143



Steering Components

Featured Position :

Gunior Ent. Co., Ltd.	7
Sunny Wheel Ind. Co., Ltd.	21

Main Body :

Alligator Cable Ent. Co., Ltd.	172
Ashima Ltd.	169
Baradine Rubber Ind. Co., Ltd.	171
Bengal Performance Brake Systems	170
Ching Chern Industrial. Corp.	178
Chwan Yih Ent. Co., Ltd.	179
Cian Fa Pipe Industry Co., Ltd.	173
Foming Bicycle Parts Co., Ltd.	166
Looney-Max Ent. Co., Ltd.	180
Scada International Co., Ltd.	167
Yang Mao Industry Co., Ltd.	168
Ye Chou Industry Co., Ltd.	181

Yi Zhan Cable Co., Ltd.	174
------------------------------	-----

Ying Paio Enterprise Co., Ltd.	182
-------------------------------------	-----



Lighting Sets/Dynamos

Featured Position :

Abel Tech	13
----------------	----



Trading Companies

Featured Position :

Suzico Ltd.	196
Accord Ent. Corp.	197

Main Body :

Shuz Tung Machinery Ind. Co., Ltd.	144
Forgetec Ind. Co., Ltd.	145
Jiunn Cherng Co., Ltd.	146

Others

Taichung Bike Week	11
BRAIN	127
Cycle Exchange	128
Dubai International Bicycle Exhibition	147
MBA	183
BIKE	184
SAZBIKE	185
Cfose	186
Cycle Mode	187
Kielce Bike-Expo	193
Taipei International Cycle Show	195
Interbike	198

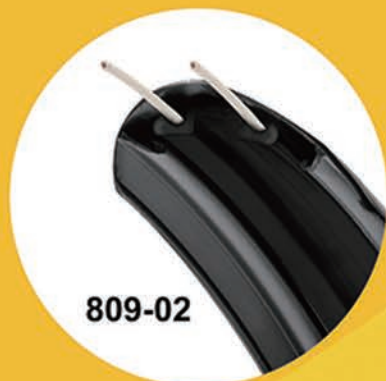
Abel Tech	13	Jinhua Stars Alloy Rims Co., Ltd	4
Accord Ent. Corp.	197	Jiun Yih Bicycle Ind. Co., Ltd.	99
Acecast Industrial Co., Ltd.	98	Jiunn Cherng Co., Ltd.	146
ADK Technology Limited	93	Joy Industrial Co., Ltd.	Inside Back Cover
A-Forge Ent. Co., Ltd.	104	Kai Cheng Bicycle Parts Co., Ltd.	100
Alligator Cable Ent. Co., Ltd.	172	Kenda Rubber Ind. Co., Ltd.	Back Cover
Andel Enterprise Co., Ltd.	140	Kind Shock Hi-Tech Co., Ltd.	199
Aprove Products Co., Ltd.	45	KMC Chain Ind. Co., Ltd.	3
Ashima Ltd.	169	Lanxi Wheel Top Cycle Industries Ltd.	141
Avertronics Inc	47	Liang Feng Machine Co., Ltd.	101
Bafang Electric(Suzhou)Co., Ltd	2	Looney-Max Ent. Co., Ltd.	180
Baradine Rubber Ind. Co., Ltd.	171	Ltwoo Bicycle Parts Co., Ltd.	8
Bengal Performance Brake Systems	170	Metallica Internationall Co., Ltd.	46
Bitex Industrial Co., Ltd.	123	Mitroc Fortune Co., Ltd.	120
Caribou Enterprise Co., Ltd.	94	Neco Technology Industry Co., Ltd.	194
Chin Haur Ind. Co., Ltd.	200	Ora Engineering Co., Ltd.	96
Ching Chern Industrial. Corp.	178	Otrajet Inc.	121
Chosen Co., Ltd.	124	Ridea Group Limited	142
Chwan Yih Ent. Co., Ltd.	179	Saola Cycle	92
Cian Fa Pipe Industry Co., Ltd.	173	Scada International Co., Ltd.	167
Far And Near Inc.	106	Shenzhen Easing Metal Products Co., Ltd.	102
Foming Bicycle Parts Co., Ltd.	166	Shenzhen Lizhixin Technology Co., Ltd.	103
Forgetec Ind. Co., Ltd.	145	Shun Xin Co., Ltd.	109
Foshan Spartan Technology Co., Ltd	126	Shuz Tung Machinery Ind. Co., Ltd.	6, 144
Ful Chee Ent Co., Ltd	107	Sunny Wheel Ind. Co., Ltd.	21
Gin Ter Industry Co., Ltd.	122	Suzico Ltd.	196
Gumonder Industrial Co., Ltd.	118	T-Global	9
Gunior Ent. Co., Ltd.	7	U-Logis Co., Ltd.	97
High Power Technology Inc.	49	Vee Rubber	70, 149
Honlin Heavy Industries Co., Ltd	48	Whole Man Enterprise Co., Ltd.	143
Hope Industrial Corporation	108	Yang Mao Industry Co., Ltd.	168
Hua Hsines Ind. Co., Ltd.	105	Ye Chou Industry Co., Ltd.	181
Huang Wei Techology Enterprise Co., Ltd.	95	Yi Zhan Cable Co., Ltd.	174
Hwa Fong Rubber Ind. Co., Ltd.	119	Ying Paio Enterprise Co., Ltd.	182
J.D Components Co., Ltd.	Inside Front Cover, 1	Youn Live Industry Co., Ltd.	77
Jee Ann Bicycle Co., Ltd.	5	Yu Hub Industrial Co., Ltd.	125



CABLE STORAGE

THE CLASSIC APPEARANCE AND INNOVATIVE DESIGN OF CABLE STORAGE PROVIDE PERFECT AND SIMPLE EMBEDDING MECHANISM FOR THE POWER TRANSMISSION LINE SYSTEM OF ALL E-BIKES.

SMART TO GO





Update on Taiwanese firms in Vietnam

Text & Photos: Daphne Chen



The first Taiwanese firm to invest in Vietnam was Vedan (1989), the earliest bicycle tire manufacturer from Taiwan to arrive in Vietnam was Link Fortune rubber (1993), and the first Taiwanese company to establish a plant in Vietnam was bicycle assembler Strongman (1996). In 1999, the first wave of Taiwanese bicycle assemblers and parts companies invested en masse in plants in Vietnam. A group led by Asama chose to settle in the Song Than Industrial Area in Binh Duong Province, while another group chose to settle in the Amada Industrial Area in Đồng Nai Province. Afterwards, the European Union imposed anti-dumping duties on Vietnamese goods, and the May 13, 2014 anti-Chinese riots occurred after the anti-dumping duties had finally been rescinded. In spite of these setbacks, Vietnam has once again become a top overseas investment location for Taiwan's bicycle industry due to its advantages for exports to Europe. In recent years, numerous companies in the industry have continued to buy land and build plants in Vietnam. Even China's largest assembly plant is establishing a factory in Vietnam's Binh Duong Province and plans to begin assembly of e-bikes by the end of the year.

Vietnam is a socialist country with political and social stability. It has a total population of 92 million, of which Buddhists account for 50%. Vietnam's economic growth rate was 6.21% in 2016, and its citizen's average income was US\$2,215. Vietnam's capital is Hanoi, which has a population of approximately 7 million, and is the seat of the central government. Ho

Chi Minh City is the largest city in southern Vietnam, and has a population of roughly 8 million; Ho Chi Minh City is currently building a metro system.

The FTA advantage

Vietnam is the ASEAN member that has signed the most free trade agreements (FTAs)

with other countries, and has currently signed bilateral trade agreements with over 40 countries, including China, Japan, Korea, and the Eurasian Economic Union, etc. Since these agreements provide preferential exemption from tariffs, they have encouraged Vietnam to boldly pursue economic deregulation. Vietnam has also signed



▲ HL Corp President, Jim Liao said that the company's Vietnam plant has started trial production of aluminum alloy forks. He also noted that local steel is more expensive and imports must be relied upon.



▲ VP Components President, Victor Lin pointed out that with the drastic changes in the market and production environment, companies must keep pace with the times and make significant adjustments.



▲ Sun Rise Vietnam Factory is located in Hoi An and has been in operation for 4 or 5 years. The picture shows Associate Manager, Tsai Bing Yen.

an FTA with the EU, but it has not yet taken effect. Vietnam is currently negotiating the Regional Comprehensive Economic Partnership (RCEP) with the ASEAN states and China, Japan, South Korea, Australia, New Zealand, and India and a free trade agreement with the European Free Trade Association (EFTA) (EFTA includes Switzerland, Norway, Iceland, and Liechtenstein).

Taiwanese firms in Vietnam

Taiwanese firms have chiefly invested in southern Vietnam,

including in Ha Tinh Province, Binh Duong Province, Dong Nai Province, and Ho Chi Minh City, and have already established complete industry supply chains in such labor-intensive industries as shoemaking, weaving, bicycles, motorcycles, and wooden furniture. Many people in the Taiwanese bicycle industry have noted that while the advantages of manufacturing in Vietnam include inexpensive, young labor, and inexpensive land; most raw materials need to be imported,

and are more expensive in China. For instance, HL CEO Jim Liao noted that Vietnam provides opportunities, but raw materials are a major bottleneck.

Management problems

The chief management challenges in Vietnam include a lack of knowledge of the language, strikes, employee management, lack of technicians and skilled workers, and low loyalty. To manage Vietnamese employees, it is therefore



▲ French company, Decathlon also has an office in Vietnam responsible for purchasing. In the middle is Purchasing Director, Didier Morelle.



▲ Taiwanese bicycle companies in Vietnam are very united, hospitable, and frequently interact with each other. From left: Tsai Yarn Assistant General Manager, Mao Lee; Yaban President, Andy Wang; Alhonga Assistant General Manager, Charlie Shih; DDK President, Rihcard Tsai; Decathlon Purchasing Director, Didier Morelle; Sunny Wheel President, Tony Hsu; Astro President, Jeff Chang-Liaw and Astro GM, Samuel Hu.

necessary to blend in, perform localization, interact socially with local people, and promote local people to serve as staff.

Economic special zone legislation

Because it allows foreign investors to lease Vietnamese land for 99 years under preferential terms, the new investment bill passed by the Vietnamese government last year has induced a wave of protests. According to current Vietnamese law, foreign firms investing in Vietnam ordinarily may only lease land for 50 years; this may be extended in special circumstances, there may not exceed a maximum of 70 years. According to members of the public protesting the new policy, foreign investors will have excessively long right to land in special economic zones, which may have a harmful impact on national sovereignty, politics, and immigration management.

Establishing a Taiwan industrial park

Seeing the promise of investment in Vietnam, DDK and three Taiwanese firms have jointly initiated an 80-hectare Taiwan industrial park development project in Binh Duong Province, and held a groundbreaking ceremony on November 25 of last year. According to DDK president Tsai Wen Jui, the park has currently reached 80% occupancy. Because the park has brought together the experience and capabilities of Taiwanese firms in Vietnam, Tsai expects that it will induce even more companies from Taiwan and China to invest in Vietnam and establish plants within the next two or three years.

Hanoi to ban motorcycles in 2030

Vietnam is second only to Thailand in terms of number of motorcycles per capita. In order to ease traffic congestion and re-

duce air pollution, the Vietnamese government announced last year that would ban motorcycles in the capital city of Hanoi by 2030. Hanoi has a population of 7 million and contains 5 million motorcycles. Motorcycles have become a leading means of transportation for most families, and it's com-



▲ Thong Nhat President, Ruan Yo Shan. Thong Nhat assemble all kinds of bicycles, mainly for domestic use.

mon to see an entire family writing one motorcycle. It will be by no means easy for the government to eliminate motorcycles

Recent situation of the Taiwanese bicycle industry

Taiwanese bicycle firms in Vietnam are located exclusively in Ho Chi Minh City and nearby provinces, including Binh Duong Province, Dongng Nai Province, Tây Ninh Province, and Long An Province. Close to 70% of companies are located in Binh Duong Province. Early arrivals in Vietnam included Asama, Alhonga, DDK, Sheang Lih Cycle, Song Tain, Wang Sheng, Branc, Tsai Yarn, Yaban, Astro Eng.Viet, Sonics, Gold Well, Olympic, Shuan Hwa, Vertech, and Shang; relative newcomers include Sun Rise, SR Sun-tour, A-Pro, Thunder, Standwell, HL-VT (Zoom), Yung Shyang, Astro's new plant, Jiang Ding's new plant (expected completion by the end of the year), A-Forge, Kalloy, and J.D. (expected completion by next spring); Hua Chin has purchased land, Taioku is beginning pilot operation, and Transart has leased a plant, and expects to go



▲ Vietnam has the second highest density of motorbikes in the world. The tide of motorbikes at peak hours is scary.

into production in the near future.

Dongng Nai Province has the next largest concentration of Taiwanese firms, including Kenda, KMC, VP, and VIP. Ho Chi Minh City contains Strongman, Co-Union, and Taifa (Cian Fa); only Ideal is located in Long An Province, and it has not yet begun production; Tây Ninh Province has A&J, Link Fortune, and Alex and TTC, which have recently purchased land. Asama, A&J, Strongman, Alex, and TTC are currently operating plants in Cambodia.

Cable guide producer Jagwire, established a plant in the northern city of Hanoi 10 years ago; this plant chiefly produces cable guides for motorcycles. Germany's Schwalbe has also

established a plant in Vietnam; this plant went into production in 2015, and chiefly makes bicycle tires and inner tubes. France's Decathlon has opened an office in Vietnam, and purchases many products from the country.

There are roughly one million cars, 32 million motorcycles, and 3 million bicycles in Vietnam. There are some local bicycle assembly plants, but they are small in size and geared toward producing bicycles for the domestic market. The largest bicycle assembler is Thong Nhat, which is located in Hanoi. Thong Nhat is a well-known old brand in Vietnam, and is a state-owned company; it chiefly produces bicycles and parts, and also makes e-bikes and motorcycles.



▲ In 1999, Shining set up a factory in Song Than Industrial Park II in Binh Duong Province. It mainly produces bicycles and wheels, supplying local markets and exporting to markets in Europe, South America and Southeast Asia.



▲ Bor Yueh's Vietnam Plant is also located in Song Than Industrial Park II in Binh Duong Province.

Overview of leading Taiwanese firms in Vietnam:

Yaban

Yaban has two plants in Vietnam; the older plant employs over 300 people, and chiefly produces chains and chainwheels; it has a high level of self-made content. The new plant produces mostly steel plate and tubing; it employs over 100 persons. Apart from supplying the bicycle industry, this plant also supplies products to the construction and auto industries, etc. Products are used in a wide range of applications, and roughly 6,000 tons of steel products are sold each month. Yaban is also a local agent and distributor for China Steel and Formosa Plastics in Vietnam. Due to high transportation costs, it chiefly supplies these companies' products to nearby customers.



▲ Yaban President, Andy Wang (right) personally hosted the Top Cycle Product Group and introduced the status of metal sheet and pipe plants. On the left is General Manager, Wang Bao Tang.



A&J

A&J's Vietnam plant occupies 105,000 square meters. Ground was broken for the plant around the beginning of last year, and it was completed and went into production at the end of last year. The plant currently employs 120 persons, and chiefly produces parts and materials for A&J's Cambodian plant, such as non-standard tubing and hydraulically shaped tubing. A&J will establish a frame production welding department at the end of this year, and plans to install painting equipment and establish a complete bicycle department to assemble various kinds of bicycles next year. According to Associate Rocky Tseng, A&J's Vietnam plant has invested heavily in automated equipment in order to boost efficiency. A&J's Cambodian plant employs 1,500 people, and can assemble 700,000 bicycles annually. Compared with Cambodian employees, the company's Vietnamese employees are unsophisticated and even-tempered; they are easy to manage and have a relatively high level of education.



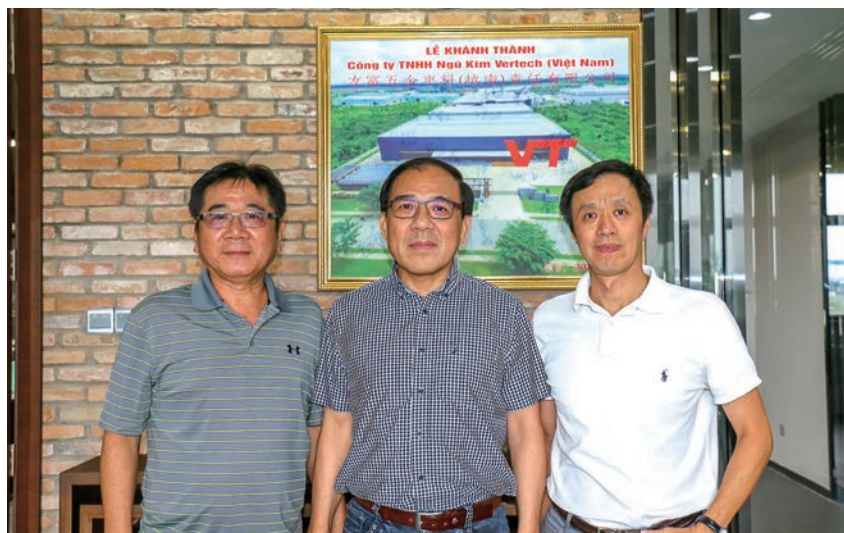
▲ A&J Vietnam factory Associate, Rocky Tseng has a wealth of management experience in A&J's Cambodian factory and Southeast Asia.





HL-VT

Occupying 25,000 square meters, Vertech's Vietnam plant formally began production in July 2017. This plant's two main product types consist of suspension frames and e-bike frames, parts, and accessories. The plant also produces bumpers for ATB European and American four-wheel-drive vehicles. In order to expand the scale of its operations, Vertech allowed HL Corp's to purchase 51.08% of the company's equity, and changed its name to HL-VT. Howard Kiao is the company's chairman, while Younger Chen serves as vice chairman. The plant contains two production areas, one of which makes Vertech products, and the other makes Zoom products. The plant has recently begun mass production of Zoom alloy forks, and expects to begin production of handlebars and seat tubes in July.



▲ From left: Vertech CEO, Younger Chen; President, H. H. Liao and Senior Vice President & CFO, Tony Chiu.





Asama

Asama has been operating in Vietnam for 19 years. Its plant suffered 70% damage during the 2014 riots, but it has been restored. Asama's Cambodian plant employs 1,500 people and produces bicycles entirely for export. The company's Vietnam plant employs 1,000 persons, assembles 20,000 bicycles each month, and exports 40% of its output, chiefly to Europe, with the remaining 60% being sold on the domestic market. The plant produces both bicycles and e-bikes. Asama has become the leading brand on the Vietnamese market; its most popular bicycle models have retail prices of 2-5 million dong. Asama began cultivating the domestic market at an early date, and its bikes are



▲ Asama Yuhjiun Special Assistant, Sam Fang is stationed in Vietnam and is keen to share information on the local market and investment situation.



▲ Vice President of Asama Yuhjiun's Vietnam plant, Chen Ching Yuan.

currently sold by over 400 dealers throughout the country. Because people in northern Vietnam have started buying electric motorcycles on a large scale, Asama's bicycle sales are better in the southern part of the country. The most popular

bicycle colors are red, black, and blue. Asama's e-bike sales peaked two years ago, but growing border trade and competition from low-priced Chinese e-bikes have caused its sales to fall.





Astro

Astro established its Vietnam plant in 2000; this plant has an annual output of 500,000 frames, and began producing e-bike in 2005. The Dong An plant produced 600,000 frames in 2007, 90% of which were suspension frames. The company purchased 50,000 square meters of land in Vietnam's Jinhui Industrial Area for a painting plant in 2009, but the plant was not completed until last year. Astro began designing full suspension e-MTB frames for customers in 2011, and its Taiwan plant upgraded to fully-automated production equipment in 2017. It expects to complete full-line production, from automated preparation of materials to automated welding, by the end of this year.

In line with its emphasis on professionalism, specialization, differentiation, and innovative design, Astro has over 60 R&D personnel in Taiwan. It is constantly introducing new products, and seeks to surpass customers' expectations. As a result, ac-



▲ Astro President, Jeff Chang-Liaw specially flew to Vietnam to meet with the old friends of the Top Cycle Product Group and talk about his investment experience.



▲ Astro GM, Samuel Hu insists on differentiation, taking his own path, and constantly innovating.

According to Astro, the company and has been receiving a steady stream of orders. According to General Manager Samuel Hu, the company's new plant in Vietnam will focus on producing and painting alloy and carbon fiber frames; the plant will employ

1,200 people, have a full range of testing equipment, and produce 500,000 and paint 300,000 frames each year. When the new plant reaches full capacity, Astro will be the world's largest manufacturer of carbon fiber e-bike frames.





DDK

DDK's Vietnam operations rose from the ashes after sustaining major damage in the 2014 anti-Chinese riots, and the company's new plant in the Dai Dang Industries Zone went into production in October 2015. This gleaming new plant occupies over 70,000 m² and incorporates a green building concept; the entire roof of the plant can collect rainwater, and a large water storage pond with the diameter of 42 m is used to collect the filtered rainwater. The plant employs 700 people, and has a monthly capacity of one million saddles. It also produces bicycle handlebars, auto and motorcycle accessories. DDK has been cultivating the Vietnam-

ese market for close to 20 years. Company President, Tsai Wen Jui points out that as far as Taiwanese firms are concerned, Taiwan's New Southward Policy is an absolute necessity, and Vietnam is the best choice for Taiwanese companies relocating overseas. Apart from the fact that Vietnam is close to Taiwan, the country also celebrates Lunar New Year, Dragon Boat Festival, and Autumn Moon Festival, and has a similar culture. There are also few national holidays, employees receive only 10 days of vacation time annually, and the working population is very young, with 65% under the age of 35. Vietnamese products also have zero-tariff access to the huge 600 million con-



▲ DDK President, Richard Tsai has very good political relationships in the local area. He is always eager to help Taiwan businessmen to invest in Vietnam.

sumer population of the ASEAN states. If access to the ASEAN +6 market, with a total population of over 3.5 billion—equivalent to one half of the Earth's population—is included, Vietnam's market potential is astounding.







▲ A-Pro COO, Yang Boh Wen stated that the first phase of the Da Dang factory in Vietnam has been completed and put into operation.



▲ The A-Pro Management Team and its shareholder, VP Components President, Victor Lin (second from left) took a group photo in front of the new plant in Vietnam.

A-Pro

A-Pro's plant in Vietnam's Dai Dang Industrial Zone occupies 78,000 square meters; the first phase of the plant has been completed and begun production. The three buildings comprising A-Pro's factory include a painting shop, alloy frame plant, and carbon fiber frame plant. The plant's annual alloy frame capacity will reach one million units and its carbon fiber frame output will reach 100,000 units. The plan will also have annual frame painting capacity of 400,000 units. Pilot production is currently underway, and mass production is expected

to begin in October of this year. A-Pro is gradually adopting automation, including robotic welding arms, which will reduce its labor needs. According to Mr. Yang, the plant's chief of operations, A-Pro currently has six production sites in Taiwan, China, and Vietnam; the first plant in Shenzhen, China employs 1,000 persons and chiefly produces alloy frames and forks, and carbon fiber frames and forks; the second plant in Shenzhen employs 400 persons and produces frames, all carbon fiber front forks and aluminum/carbon bonded; the Kunshan plant

employs 50 persons and chiefly produces components for and assembles electric wheelchairs; the company's Taiwan headquarters (in Dajia's Youth Industrial Park) employs 320 persons and chiefly produces alloy suspension frames, carbon fiber suspension frames, rims, and electric motorcycle frames; and the Taiwan Dingdian plant employs 150 persons and chiefly makes suspension forks, rear shocks, and adjustable seat posts. A-Pro exports 70% of its products to the European market, and 25% to the US market.





▲ SR Suntour's Vietnam plant management team. From left: Consultant, Frank Guo; Assistant General Manager, David Tsai, General Manager Tanaka Naoji; MIS, Chang Jun Hao and Japanese Consultant.



▲ Top Cycle Product Group could not help but praise the SR Suntour Vietnam factory when they visited it.

SR Suntour

SR Suntour celebrated the 30th anniversary of its founding this year, and its Vietnam plant was completed and went into production in June of last year. Located in the Protrade International Tech Park, SR Suntour's plant occupies 50,000 square meters, employs 500 people, and mainly manufactures suspension

forks and e-bike components. The plant is fully equipped with all types of automated heat treatment, painting, CNC, and testing equipment. It has a monthly suspension fork capacity of 300,000 units, and currently makes 200,000 suspension forks each month. Products are chiefly supplied to the local Vietnamese

market and other Southeast Asian markets. Because the EU has initiated an anti-dumping survey of Chinese e-bikes, while Vietnam has signed a zero-tariff FTA with the EU, SR Suntour shifted production of e-bike components to its Vietnamese plant two months ago.



KMC

Well aware of the vast potential of the Southeast Asian market, KMC established a plant in Vietnam is early as 1999. This plant occupies 22,000 m², and is located on a 60,000 m² site. The plant began production in March 2000, and currently employs 400 persons; 60% of output consists of motorcycle chains, 14% consists of bicycle chains, and the remainder consists of other industrial-use chains. When it signed the contract for his plant site, KMC was required to sell 70% of its products on the domestic market, and could only export 30%, but this requirement has helped it expand its domestic sales and Vietnam. After 18 years of intensive work,



▲KMC President, Robert Wu suggested that the industry should consider 'Store front, backroom production' operations and rapid service mode.



▲KMC Deputy Manager, Hsieh Ming Cheng.

KMC is the leading motorcycle chain brand in Vietnam, and is the fourth largest motorcycle chain brand in the ASEAN region as a whole; it produces 17.5 million changed annually, and its achievements are impressive. According

to President Robert Wu, KMC Chain (Vietnam) will continue to work hard to achieve its goal of becoming the largest motorcycle chain and sprocket producer and leading brand in the ASEAN region.





Kenda

Kenda Vietnam's first plant occupies roughly six hectares, and chiefly manufactures motorcycle and bicycle tires and inner tubes. Many of the plant's motorcycle tires are sold domestically in Vietnam. The company's second Vietnamese tire plant is located in the Giang Dien Industrial Zone in Dong Nai Province, has a total area of 42.23 hectares, and mainly produces car tires. The first phase of the plant was completed and began pilot production last year, and has a maximum daily capacity of 5,000 tires, which are exported to the North American after-sales tire market. According to Chairman Y.M. Yang, while land could once be purchased for US\$42 per



▲Kenda CEO, Ying Ming Yang shared his experience of investing in Vietnam and Indonesia.



▲General Manager, Huang Fong Chou has cultivated Kenda's Vietnam factory for 13 years.

square meter, prices have now risen to US\$70 per square meter. Kenda's first plant has a monthly capacity of one million bicycle tires, 800,000 motorcycle tires, 900,000 bicycle inner tubes, and 800,000 motorcycle inner tubes. The second plant formally began

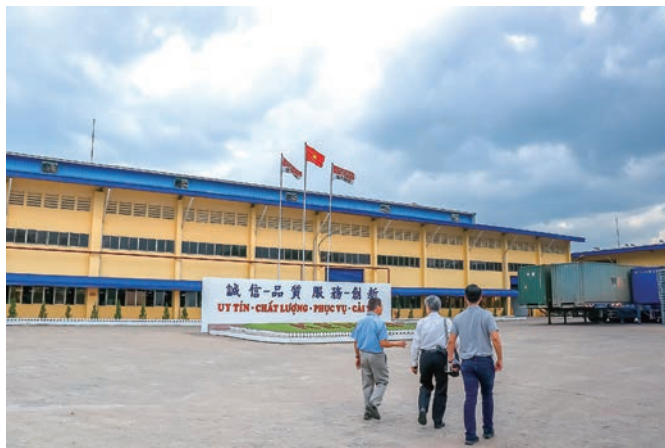
mass production this year, and produces sedan and light truck tires; plans call for an annual capacity of six million tires. In order to boost efficiency and competitiveness, the second plant employs advanced automated warehousing equipment and systems.



▲ Kenda's Vietnam factory mainly produces bicycle and motorcycle inner tubes and tires.



▲ Kenda's second plant in Vietnam was officially put into operation this year. It mainly produces car and light truck tires.





▲ VP Components President, Victor Lin is optimistic about Vietnam's potential. He believes local production increases will be dependent on orders, and a second generation should be encouraged to come to Vietnam to assess it.




▲ VP Components Vietnam Plant Manager, Lin Cheng Kang.

VP Components

VP's Vietnam plant occupies 30,000 m². Because of the insufficiently large market in Vietnam, this plant has never produced relevant parts, but has only served as an electroplating plant. After encountering severe environmental problems in China, VP closed its Shenzhen

plant at the end of May of this year, and moved its production line to Taiwan. In addition, after spending a large sum of money to resolve wastewater and gas emission problems that its Taicang plant in China, VP has shifted production of its five leading high-unit-price products from Taicang to Taiwan, where its plant has very versatile

production capabilities. In the face of changing markets and production environment, VP has vigorously embarked on an adjustment campaign, and has encouraged its up-and-coming second-generation leaders to perform fact-finding in Vietnam in order to assess the necessity of establishing a plant in that country. 





CTE



CTE 28" E-BIKE

FRAME	Aluminum 6061
FORK	SR NEX DS 700C
MOTOR	BAFANG G330 250W · 36V11Ah
MILEAGE	110km Maximum (Fully Charged)
POWER DISPLAY	LED Power Display Panel
BRAKES	Hydraulic Disc System
TRANSMISSION	Shimano NEXUS 8S
WHEEL	28"
TIRE SIZE	28 * 28C
WATERPROOF RATING	IP65
COLOR	White, Peacock Blue, Gray, Periwinkle, Tan, Coral Red
SIZE	S,M,L

eBIKES

MADE IN TAIWAN

20 YEARS ALL FOR BICYCLE

ODM • OEM • EXPORT

SKORPION



EUROBIKE 2018
A3-307



TAIPEI CYCLE SHOW 2018
K-1109

www.skorpionbikes.com
grace_chung@metallica.com.tw
No.20, Jingke Central 1st Rd., Nantun Dist., Taichung City 408, Taiwan



WATERPROOF CONNECTOR

Junction for battery and drive motor

EASY ASSEMBLY, ACCURATE CONNECTED.
 DUMMY PROOF DESIGN
 ROBUST DESIGN FOR MULTIPLE INSERTION AND WITHDRAW FORCES.



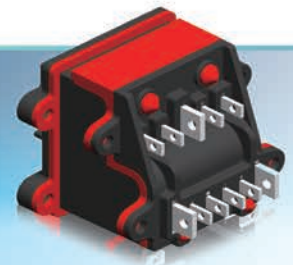
P/N. 4P8S-A1



P/N. 2P4S-A2



P/N. 3P8S-B1



P/N. 3P8S-B2



Application

Electric tricycle scooter.E-bike.E-scooter.Electric wheelchair.Energy storage system.Sweeping robot.Vacuum cleaner.Treadmill.EMS(power.signal)



Motor inside the frames

E-BIKE system total solution



Alloy Lady Bike



Carbon Road Bike



Alloy Fat Bike



Alloy ATB

TUBE MOTOR by HP



TD-51 for MTB



Alloy Freeride



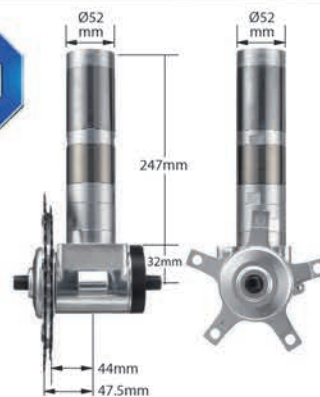
Carbon Road Bike



Alloy MTB



20"-700C Folding Bike



TD-21 for road bike



TD-58 for all bike



Battery 24V / 36V

Model	TM-5265			TM-5765	TM-5780	
Motor Type	Brushless DC Motor					
Working Voltage	24V	36V		36V	36V	
Output Power	200W	250W	350W	400W	250W	400W
Maximum Torque	40Nm	42Nm	48Nm	50Nm	42Nm	50Nm
Operating temperature	-5° ~40°					
Storage Temperature	-10° ~50°					
Weight Sensor	3.5kg~4.2kg					
Speed Sensor	Standard					
Torque Sensor	Optional					
Reduced Speed	80~100 RPM					

Climbing ability



15-25°



HONLIN HEAVY INDUSTRIES CO., LTD

(T):+886-2-25000019

www.honlin-hp.com

(F):+886-2-25040143

sales@honlin-hp.com

Rockmando GmbH

www.rockmando.de

business@rockmando.de

HIGH POWERED

Battery Chargers

Best For: *Electrically-Powered Wheelchairs,
Scooters, Bicycles, Motorcycles.
All types of electric vehicles
Fit all kinds of batteries
Including:Li-Ion, Lead-Acid, Ni-Mh...etc*

Features:

Make use of the microprocessor to control the system. Portable compact size, light weight and fast charging. Can be installed in scooters or powered wheelchairs. Can charge any lead-acid battery-gel, sealed or wet. Can be left connected to a battery indefinitely without harming the battery. Automatic inspection for battery connection. Automatic checks for the battery during the whole course till the battery has been fully charged.



HP 1000W (1000w)
(For Lead-Acid / Li-ion)



HP0180W (180w)
(For Lead-Acid / Li-ion)



HP0240W (240w)
(For Lead-Acid / Li-ion)



HP0120W (120w)
(For Lead-Acid / Li-ion)



HP1202L3(2A) (90w)
(For Lead-Acid / Li-ion)



HP0060W (60w)
(For Lead-Acid / Li-ion)



HP1211B1/B2 (120w)
(For Lead-Acid)



HP1202A/B/C (60w)
(For Lead-Acid)



HP-8204A/B/C/D (180w)
(For Lead-Acid)

ISO 7176-25



HIGH POWER TECHNOLOGY INC.

5th Floor, No.295-4, Section 1, Huan Ho North Road, Taipei, Taiwan.
tel: 886-2-25536219 fax: 886-2-25536213

E-mail:ericliu@high-power.com.tw michael@high-power.com.tw
www.high-power.cn

HIGH POWER TECHNOLOGY (KUNSHAN) INC:

No. 1163, Hua'an Rd., Hua Qiao Town, Kun Shan City, Jiang Su Province, China.



Europe's E-Bike Revolution Continues Apace

Text: Editorial Dept.

Across Europe, most major bicycle markets shared a common theme in 2017—sluggish to shrinking traditional bicycle sales buoyed up by vigorous e-bike sales. While this is a trend that has been developing in recent years, last year it was particularly pronounced. The national bike industry associations of Germany, Italy, France, Spain, Holland and Switzerland have all reported on shrinking sales of traditional (solely human-powered) bicycles and double figure growth in sales of electric-assist bicycles.

European domestic production has similarly suffered. Europe's top two bicycle manufacturing nations in 2016, Italy and Germany, both saw declining domestic production of traditional bicycles and a continued rise in e-bike production. Even domestic European manufacturers' heavy promotion of 'Bike Value Portugal' only resulted in a slight increase in Portugal's domestic production.

As for imports, the first half of 2018 has, of course, been dominated by the dumping complaints of both traditional bicycles and e-bikes originating

from China. Although the EC will make its final decision on whether to impose anti-dumping duties on Chinese e-bikes next year, importers have already been forced to register Chinese e-bike imports.

In the dumping case against Chinese traditional bicycles which was due to end June, the EC agreed to a review to decide whether to continue measures. This expiry review will take nine months, during which time traditional Chinese bicycles will continue to be subject to an 48.5% anti-dumping tariffs.

European e-bike market blooming

2017 saw both sales and production of e-bikes continue to blossom in all major European markets. Although at the time of writing consolidated results from all EU markets have not yet been released by CONEBI, German bicycle industry association, Zweirad-Industrie-Verband e.V. (ZIV) estimate that 2,000,000 pedelecs were sold throughout Europe in 2017. Germany saw sales of 720,000 new e-bikes and 294,000 units were sold in Hol-

land. Even countries not previously considered 'e-bike-centric' reported huge increases in sales - 255,000 pedelec units were sold in France during 2017, and a further 148,000 and 72,000 new units were sold in Italy and Spain respectively.

According to Eurostat data, 994,432 pedelec units (CN87116010) were imported into the EU in 2017. The biggest three importing countries were Germany, the Netherlands and Belgium. It should be noted that at the beginning of 2017, the EU changed its import codes for e-bikes. The new code for pedelecs, CN87116010, does not include speed pedelecs. It also means that comparison with imports in previous years are inaccurate.

The top three non-EU regions importing pedelecs into the EU in 2017 were, China, Taiwan and Vietnam. In terms of quantity, China was by far the biggest with 723,930 units. The average value of pedelecs imported from China was €415. 126,132 units were imported from Taiwan at an average value of €994—only e-bikes imported from Switzerland had a higher average value that

2017 EU e-bike imports (CN87116010)

	Quantity	Value	Average Value		Quantity	Value	Average Value
Netherlands	211,255	€149,304,835	€707	Romania	6,784	€1,205,888	€178
Germany	233,298	€136,821,605	€586	Ireland	3,466	€1,058,608	€305
Belgium	192,771	€77,279,509	€401	Portugal	1,069	€650,370	€608
Italy	62,237	€34,709,291	€558	Slovakia	5,201	€612,353	€118
United Kingdom	46,198	€24,027,626	€520	Greece	1,080	€390,807	€362
France	55,814	€23,376,972	€419	Bulgaria	2,109	€326,884	€155
Spain	41,248	€23,124,985	€561	Croatia	669	€191,874	€287
Denmark	28,231	€17,952,305	€636	Lithuania	205	€137,702	€672
Czech Republic	31,222	€13,192,905	€423	Latvia	853	€61,936	€73
Austria	9,452	€13,082,548	€1,384	Estonia	74	€34,583	€467
Sweden	29,830	€12,956,366	€434	Luxembourg	12	€13,457	€1,121
Slovenia	4,287	€2,135,572	€498	Cyprus	51	€9,763	€191
Hungary	9,526	€1,906,878	€200	Malta	1	€528	€528
Poland	15,066	€1,282,522	€85	EU28	994,432	€537,115,268	€540
Finland	2,423	€1,266,596	€523				

Source: Eurostat

this. 105,742 e-bikes were imported from Vietnam at an average value of €562.

Of course, the EC's dumping investigation against will have some impact on the import of Chinese e-bikes into the EU in 2018, and should the EC find in favor of the EBMA's complaint, 2019 will show drastic changes.

Sluggish traditional bike markets

At the time of writing full sales and production statistics have not yet been released by every nation's bike industry association, however, Europe's top three manufacturing nations from 2016, Italy Germany and Portugal, have released statistics for 2017. Italy remains as Europe's top manufacturing base

Top five (non-EU) originating regions for 2017 EU pedelec imports (CN87116010)

	Units	Value	Average Value
China	723,930	€300,658,483	€415
Taiwan	126,132	€125,430,787	€994
Vietnam	105,742	€59,382,246	€562
Switzerland	26,404	€41,656,820	€1,578
Thailand	7,358	€5,557,590	€755
EU28	994,432	€537,115,268	€540

Source: Eurostat

with a total 2.3 million bicycles produced in 2017, this is down slightly from 2.34 million bikes produced in the previous year. Manufacturing in Germany dropped substantially with just 1.73 million bikes (including e-bikes) produced in 2017, down from 1.97 million units produced in 2017. Europe's second biggest producer of bicycles is now Portugal. In response to the country's heavily promoted Bike Value Portugal program, bicycle production rose slightly from

1.90 million units in 2016 to 1.98 million units last year.

Total traditional bike imports (CN87120030) from non-EU originating countries rose slightly from 6,746,454 units in 2016 to 6,834,597 units last year. The UK remained the largest importing nation with 2,656,137 units, ahead of Germany and Holland with 1,115,590 and 848,276 respectively. All countries imported very similar quantities of bicycles in 2017 as they did in 2016.

EU imports of traditional bicycles (CN87120030) originating from outside the EU by unit

	2014	2015	2016	2017		2014	2015	2016	2017
Austria	152,561	127,384	128,558	123,728	Ireland	108,556	99,621	69,375	92,509
Belgium	467,485	405,127	376,464	362,792	Italy	232,256	224,382	174,554	197,760
Bulgaria	32,892	24,530	22,484	23,958	Lithuania	12,780	9,254	6,465	8,302
Cyprus	6,064	5,059	5,295	3,693	Luxembourg		3	150	3
Czech Republic	115,859	91,259	75,084	70,821	Latvia	8,092	9,192	6,117	6,528
Germany	1,144,382	1,318,524	1,143,847	1,115,590	Malta	29,754	11,109	266	34
Denmark	233,878	231,231	227,246	233,519	Netherlands	1,036,321	990,065	840,024	848,276
Estonia	8,940	21,598	12,533	12,784	Poland	152,992	167,124	167,240	202,031
Spain	191,928	184,946	132,567	139,920	Portugal	14,768	10,748	12,999	5,987
Finland	132,122	119,098	104,342	104,607	Romania	24,925	9,658	25,878	46,276
France	81,359	74,908	95,101	84,101	Sweden	381,165	415,188	383,228	311,613
United Kingdom	2,907,327	2,763,757	2,603,213	2,656,137	Slovenia	34,546	36,614	26,480	29,341
Greece	62,531	62,498	65,288	57,714	Slovakia	15,656	15,351	7,376	48,884
Croatia	28,983	41,505	24,952	26,741	EU28	7,635,583	7,481,675	6,746,454	6,834,597
Hungary	17,461	11,942	9,328	20,948					

Source: Eurostat

EU imports of traditional bicycles (CN87120030) originating from outside the EU by value (€)

	2014	2015	2016	2017
Austria	21,143,930	21,527,967	21,391,928	19,991,857
Belgium	93,312,155	99,229,730	100,533,155	99,472,416
Bulgaria	396,702	320,240	339,429	701,147
Cyprus	415,110	221,767	255,031	174,472
Czech Republic	26,755,933	20,027,994	16,174,884	16,646,003
Germany	177,301,262	249,858,120	220,814,860	196,839,787
Denmark	33,655,948	38,929,862	36,563,858	36,318,871
Estonia	1,299,371	2,867,238	1,774,150	1,576,197
Spain	38,994,835	41,327,763	36,613,511	31,612,561
Finland	17,148,888	16,809,896	15,159,247	15,431,399
France	19,066,378	29,555,078	35,587,845	37,705,392
United Kingdom	293,487,228	348,540,064	331,462,702	294,679,151
Greece	4,170,179	3,841,982	3,159,867	3,321,277
Croatia	2,363,724	3,597,067	1,806,913	1,731,327
Hungary	1,172,272	1,125,539	657,060	1,272,826
Ireland	4,932,847	5,694,212	4,146,635	5,617,018
Italy	38,111,943	44,998,163	31,253,876	39,393,154
Lithuania	651,903	666,677	695,724	917,663
Luxembourg		397	75,109	3,135
Latvia	1,135,360	1,505,555	987,715	899,165
Malta	261,111	180,706	53,070	11,260
Netherlands	190,331,846	222,912,257	203,801,179	188,640,499
Poland	11,603,317	13,283,441	12,656,426	14,596,711
Portugal	1,432,216	1,946,070	1,083,961	275,878
Romania	564,637	524,417	1,949,985	3,297,553
Sweden	45,069,936	58,807,447	52,912,210	43,443,562
Slovenia	6,291,660	6,037,490	3,706,812	4,207,980
Slovakia	699,475	1,283,852	739,100	3,466,457
EU28	1,031,770,166	1,235,620,991	1,136,356,242	1,062,244,718

Source: Eurostat

The biggest change in EU traditional bicycle imports in 2017, was that Taiwan was finally knocked off the #1 spot as the top originating region. From its peak in 2010, EU imports of Taiwanese bikes have steadily dropped - In 2017, only 1,313,363 complete bicycles were imported from

Taiwan. Cambodia has now replaced Taiwan as the EU's largest supplier of traditional bicycles with 1,416,150 units imported from there last year. In terms of value, Taiwan clearly remains the top supplier of bicycles to the EU. Last year a total value of €439,229,652 complete bicycles

were imported from Taiwan at an average value of over €334.

Despite, the continued 48.5% anti-dumping duty imposed on bicycle imports originating from China, Chinese bicycle imports rose sharply in 2017, jumping from 413,959 in 2016 to 635,337 units last year.

Top non-EU originating regions for EU traditional bicycle imports (CN87120030) by quantity

	2014	2015	2016	2017		2014	2015	2016	2017
Cambodia	1,208,399	1,384,283	1,299,747	1,416,150	Thailand	686,817	466,479	415,001	329,222
Taiwan	1,861,679	1,841,177	1,558,075	1,313,363	Indonesia	168,843	163,257	213,430	181,395
Bangladesh	661,468	737,897	729,607	805,381	Turkey	307,238	316,146	250,170	174,095
China	444,289	509,608	413,959	635,337	Sri Lanka	388,861	379,442	310,155	279,291
Philippines	912,138	850,388	683,702	832,882	Vietnam	118,768	99,403	90,919	75,523
Tunisia	424,239	424,486	430,148	399,210	EU28	7,635,583	7,481,675	6,746,454	6,834,597

Source: Eurostat

Top non-EU originating regions for EU traditional bicycle imports (CN87120030) by value

	2014	2015	2016	2017
Taiwan	€485,794,609	€573,974,200	€526,054,528	€439,229,652
Cambodia	€233,742,567	€312,792,866	€288,295,186	€288,203,175
Bangladesh	€55,104,728	€72,908,912	€64,756,830	€64,552,613
China	€18,008,258	€25,931,192	€18,047,525	€50,183,071
Philippines	€38,889,122	€40,821,392	€34,170,712	€45,716,449
Tunisia	€27,870,504	€33,516,168	€35,009,290	€30,989,634
Thailand	€54,552,765	€44,573,411	€40,185,379	€30,895,391
Indonesia	€19,038,002	€23,168,737	€31,302,273	€28,840,477
Turkey	€36,430,291	€45,590,678	€42,313,034	€28,219,356
Sri Lanka	€18,446,066	€20,642,638	€17,897,398	€17,108,816
Vietnam	€17,983,483	€18,253,333	€14,955,301	€14,513,555
EU28	€1,031,770,166	€1,235,620,991	€1,136,356,242	€1,062,244,718

Source: Eurostat

Germany

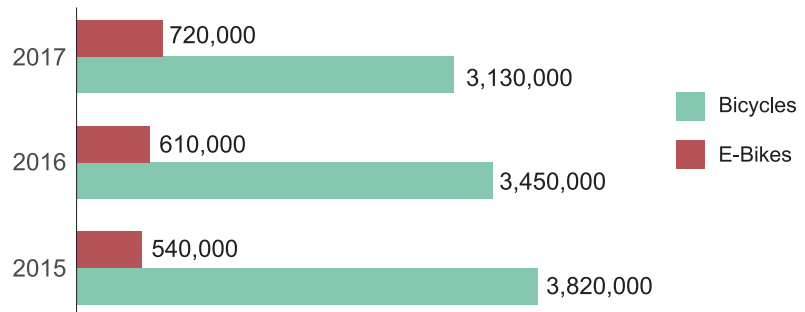


German industry association Zweirad-Industrie-Verband e.V. (ZIV) reported that despite inclement cycling weather last year, sales of bicycles and e-bikes in 2017, at 3.85 million units, were 5% down on the previous year. Actually, sales of e-bikes rose to 720,000 units in 2017 from 610,000 units the previous year. Sales of traditional bicycles however, fell by nearly 10% from 3,450,000 units in 2016 to 3,130,000 units last year. The average value of bicycles and e-bikes sold in 2017 rose to €698 meaning that overall the total value of bicycle sales last year increased slightly to €2,690,000,000.

According to ZIV figures, domestic production of traditional bicycles plummeted by over 22% in 2017 to just 1,260,000 units. This was partially made up for by a healthy increase in e-bike production, and in total Germany produced 1,730,000 complete bicycles and e-bikes last year—of which 1,160,000 were exported to other countries.

Imports of both bicycles and e-bikes into Germany increased slightly in 2017. Of the total 3,290,000 units imported, Hungary supplied the most with a 22% share. 16% of bike imports were from China and Vietnam respectively, while 11% came from Romania.

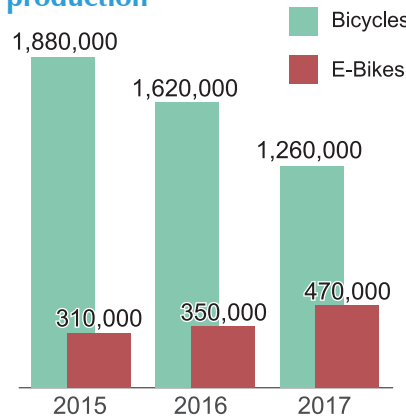
German bicycle and e-bike sales



	2015	2016	2017
Total	4,360,000	4,060,000	3,850,000

Source: Zweirad-Industrie-Verband e.V.

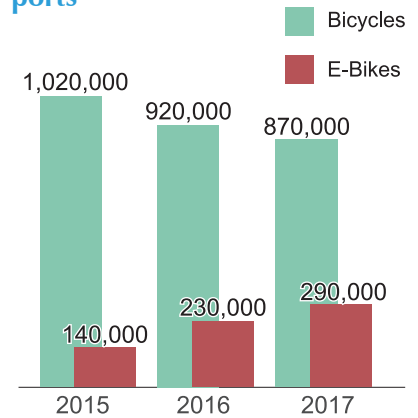
German bicycle and e-bike production



	2015	2016	2017
Total	2,190,000	1,970,000	1,730,000

Source: Zweirad-Industrie-Verband e.V.

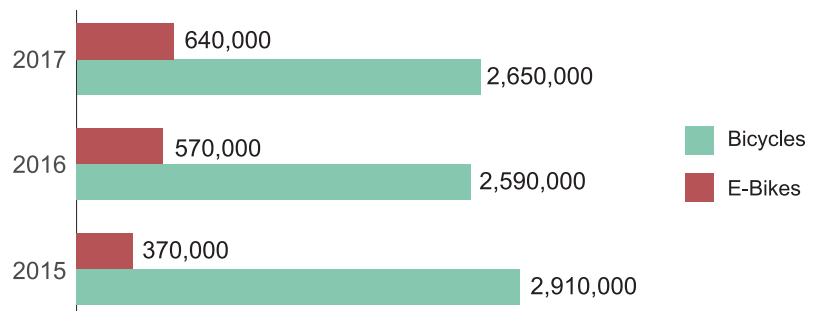
German bicycle and e-bike exports



	2015	2016	2017
Total	1,160,000	1,150,000	1,160,000

Source: Zweirad-Industrie-Verband e.V.

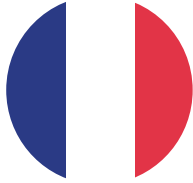
German bicycle and e-bike imports



	2015	2016	2017
Total	3,280,000	3,160,000	3,290,000

Source: Zweirad-Industrie-Verband e.V.

France



French industry federation, Union Sport & Cycle reported that in 2017 2.78 million bicycles were sold in France—up 0.2% from the previous year. Total revenue from bicycle sales last year was €1.28 billion—a healthy 9.6% increase from 2016. Union Sport & Cycle unhesitatingly put the increases down to sharply-rising sales of VAE (pedelecs).

In 2017, 255,000 pedelec units were sold in France—a large 90% hike on the number of units sold in 2016. The average price for all pedelecs was €1,568.

Indicating the recent national bonus for the purchase of an Electric Assisted Bike, President of Cycleurope Industries and Co-President of UNION Sport & Cycle, Jérôme Valentin, stated “The growth in sales of electric-assisted bicycles has accelerated in 2017. The VAE bonus has created a very important leverage effect for the bike market in 2017, much more in terms of media coverage than financial terms. Suddenly, the interest of the electric bike was brought to the attention of the French.”

The report also noted that although Multisport chains and specialty retailers remained the mainstay distribution channels for

bicycle sales in France, internet sales had increased by 22% from 2016, and last year help a market share of 8% of total turnover.

Italy



Italian two-wheeler industry association, ANCMA reported that last year 1,688,000 traditional bicycles and e-bikes were sold on the domestic Italian market. This figure represents an increase of approximately 1% compared to the previous year.

The most striking data is with regard to e-bikes. 148,000 e-bikes were sold in Italy during 2017, representing a 19% increase compared to 2016. With regards to traditional bicycles, ANCMA found a decline of around 1%, which it noted was a better figure than the general decline of 8/9% for the rest of Europe. The figure also confirms that the panorama of bike users is changing and veering towards new forms of cycling.

ANCMA notes that in the absence of sales numbers, it's data is obtained from the sum of the bicycles produced and imported minus those destined for export.

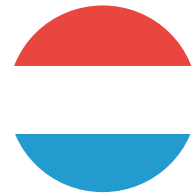
In 2017 Italian manufacturers produced 2.3 million complete bicycles, while this is less than the previous year, Italy should still hold the number one spot for bicycle production with-

in the EU. Production of e-bikes rose by 48% from 23,600 in 2016 to 35,000 last year. E-Bike exports went from 8,000 e-bikes in 2016 to 19,000 in 2017.

According to import data from the Eurostat database, a total of 259,997 complete bicycles and e-bikes were imported into Italy from outside the EU in 2017. Of these, 62,237 units were pedelecs. ANCMA noted that e-bike imports showed an increase of 21% in 2017 compared to 2016.

197,760 complete traditional bicycles were imported into Italy for outside the EU last year. This represents an increase of over 13% to the same period in 2016.

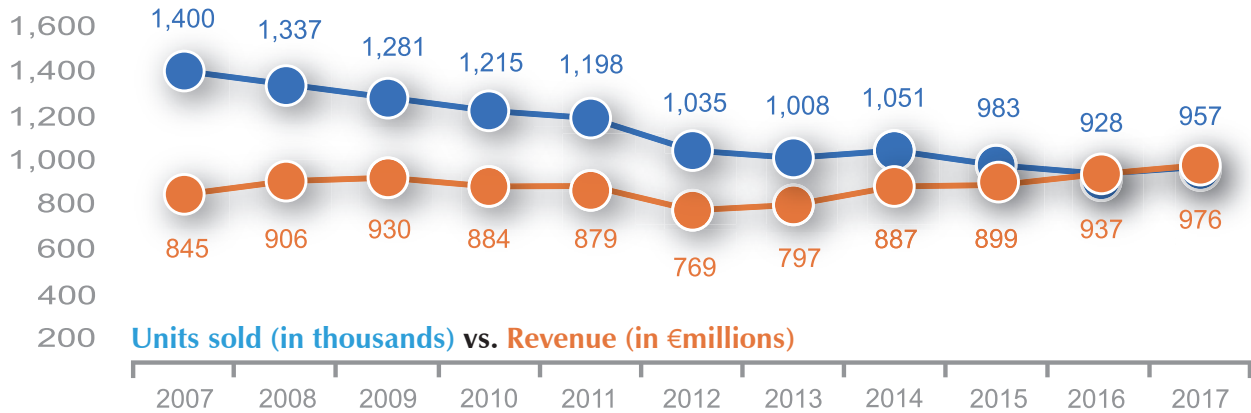
Netherlands



According to Dutch bike industry association, Rijwiel and Auto-mobiel Industrie (RAI), a total of 957,000 new bikes and e-bikes were sold in the Netherlands last year—an increase of 3% compared to 2016. The total value of these bike sales was €976 million—an increase of 4% over the previous year.

Of these, 663,000 were traditional bicycles and sold at an average value of €608. 294,000 new pedelecs were sold at an average value of €1,948.

Bicycle sales in the Netherlands.



Spain



Similar to just about every other European country, in 2017 Spain saw sales of solely human-powered bicycles decrease and electric-assist bicycles increase. According to figures released by Spanish bicycle association, Asociación de Marcas y Bicicletas de España (AMBE) a total of 1,116,232 bikes and e-bikes were sold in Spain last year—a slight increase from 2016. However, sales of e-bikes shot up by 78.8% with 72,025 units sold in 2017 compared to 40,268 units the previous year.

According to AMBE data, the higher average value of e-bikes ensured that the total value of all bicycles sold in Spain during 2017 was €672,898,137, a healthy 13.22% jump from 2016. In terms of total market value, e-bikes now hold the second largest share of the Spanish market behind MTBs.

Spanish bicycle sales by unit

	2017	2016	Evolution
Mountain	€461,105	€491,271	-6.14%
Road	€74,788	€82,181	-9.00%
Urban	€119,245	€113,354	5.20%
Childs	€389,069	€387,960	0.29%
Pedelec	€72,025	€40,268	78.86%
Total	€1,116,232	€1,115,034	0.11%

Source: Asociación de Marcas y Bicicletas de España

Spanish bicycle sales by average value

	2017	2016	Evolution
Mountain	€680	€644	5.50%
Road	€1,670	€1,588	5.21%
Urban	€248	€234	5.85%
Childs	€137	€131	4.59%
Pedelec	€2,107	€1,740	21.13%
Total	€603	€533	13.10%

Source: Asociación de Marcas y Bicicletas de España

Spanish bicycle sales by total value

	2017	2016	Evolution
Mountain	€313,491,456	€316,584,858	-0.98%
Road	€124,913,909	€130,463,159	-4.25%
Urban	€29,559,643	€26,546,373	11.35%
Childs	€53,142,935	€50,663,696	4.89%
Pedelec	€151,788,366	€70,057,864	116.66%
Total	€672,898,137	€594,313,122	13.22%

Source: Asociación de Marcas y Bicicletas de España

Portugal



In efforts to keep bicycle production within the EU, in recent years European bicycle manufacturers have been heavily promoting production in Portugal. This campaign has now seen Portugal rise to become the EU's second largest bicycle producer. At a time when nearly every other country saw bicycle production decrease, Portuguese domestic production increased, albeit only slightly. According to Portugal's bicycle industry association, ABIMOTA LEA, approximately 1,980,160 bikes and e-bikes were produced domestically in Portugal last year—up from 1,904,000 units produced in 2016. Of these 1,752,835 units were exported.

Switzerland



Swiss bicycle industry association, VeloSuisse declared 2017 to be a good year for bike sales in Switzerland with a total of around 338,000 bikes and e-bikes sold. Compared with the previous year, this corresponds to a significant increase of 4.2%.

Once again, the big winner was the e-bike, which had already achieved a hefty sales quantity increase of 14.1% from 2015 to 2016. This time the increase was

even larger –16.3%. That corresponds to a new sales record of just under 90,000 units. In other words, every fourth bike sold in Switzerland already has an electric auxiliary drive - and the number is rising.

E-Mountain bikes, increased by more than a third for the second year in a row, with sales of almost 29,000 units—a 38.3% increase over the previous year.

VeloSuisse also noted that even in niches markets, e-bikes were giving new impetus. Around 400 cargo e-bikes were brought last year. The association felt this was gratifying because cargo bikes usually replace automobiles on city streets. In addition to major advances in handling, design and technology, funding programs such as carvelo2go were likely also responsible for the growth impetus.

The sales of pure muscle bicycles in the sports segment (without lights, mudguards and luggage carriers) increased for the first time in 2017, after several years of decline. The main reason for the growth was attributed by



VeloSuisse to children's and youth bikes (with wheel sizes of 20 to 24 inches, including freestyle bikes) whose sales rose significantly by 22.7 percent. In the MTB segment, Sales of 26-inch and 27.5-inch bikes declined by 7% and 2.3%, respectively. However, bikes with 29-inch wheels increased slightly by 3.9%. Sales of road racing bikes remained stable. 🌀

Incentives Schemes Boosting E-Bike Sales

Text & Photos: Editorial Dept.

European member states and cities are endeavoring to phase out fossil-fueled vehicles. UK and France have both announced recently their intention to phase out fossil-fueled vehicles by 2040. To achieve such goals national governments have placed heavy focus on creating incentives for people to buy electric cars, many do not take account of the possibilities that other forms of electric mobility like e-bikes can offer. Germany has a goal to have 1 million electric cars and in 2016 approved a budget of €1 billion to promote plug-in electric car adoption. However, while the results of incentives to buy electric cars are, to say the least, disappointing, increasingly national and local governments are finding much more success in the take up of incentives to encourage people to buy e-bikes.

National e-bike incentive success

Last year, in a bid to boost alternative transport methods, the French government initiated an incentive program encouraging citizens to buy e-bikes. Citizens

purchasing an e-bike up until January 31, 2018 were able to claim €200 financial assistance. The incentive scheme resulted in 255,000 electric-assist bicycles being sold in the French market in 2017—a huge 90% increase from the 134,000 units sold in 2016. French industry observatory, UNION Sport & Cycle, were in no doubt that the scheme was a major reason for such a dramatic rise. Jérôme Valentin, President of Cycleurope Industries and Co-President of UNION Sport & Cycle noted “The bonus has created a very important leverage effect for the bike market in 2017, as much in terms of media coverage as financial terms. Suddenly, the interest in the electric bike was brought to the attention of the French.”

This year, the Swedish Government has launched a scheme that includes a 25% subsidy for all e-bike purchases until 2020. For the years 2018, 2019 and 2020 the budget is 350 million SEK (€35 million) each year. Everyone (individuals not companies) who buys an ebike until the end of 2020 will get a discount of 25% of the price up to 10 000 SEK (€1000) per bike.



▲ Sweden's Environmental Minister, Karolina Skog and Finance Market Minister, Per Bolund.

Current e-bike incentive schemes

The following cities and regions have actively been promoting EPAC use and uptake through fiscal incentives:

Austria

- Styria has started a new grant program in 2016
- Tyrol, the regional electricity provider Tiroler Wasserkraft offered a grant of 150 € for the acquisition of an e-bike to its customers in 2016
- City of Vienna offered a grant of 30% of the purchase price of an EPAC.

Belgium

- The Brussels Capital Region

offers a prime consisting of a variety of different sustainable mobility packages to inhabitants who hand in their car number plate and scrap their car. The packages include a subsidy of up to €1010 for the purchase of an electric bike.

- Walloon Brabant offers a purchase subsidy of 20% of the acquisition price.
- Ghent can receive a grant for the purchase of an electric bike.
- Antwerp offers a subsidy of up to €400 for buying an e-bike.
- In Wallonia, several local authorities offer subsidy schemes for the purchase of electric bikes as of September 2016, the biggest one being the city of Namur. Amounts vary between €50 and €200

France

- Paris has a subsidy of 33% of the acquisition price of ebikes. Subsidies include: up to €400 for e-bike purchases, €600 toward both electric and conventional cargo bikes and €400 for residents who upgrade their conventional bikes with electrical assists. Each subsidy applies to only one bike per person. The city will also offer €600 for residents who get rid of their personal cars.
- Rennes: e-bike renting for one year (150 €); after that: acquisition price of 365 €
- Nantes has a subsidy of 25% of the acquisition price, max. 300 €
- Bordeaux: 25% of the acquisition

price, max. 300 € for an electric bike.

- Nice: 25% of the acquisition price.

Germany

- Tübingen offers a prime to inhabitants who scrap their conventionally powered two-wheeler and buy an electric bike instead. The amount of prime ranges from €200 to €500
- Munich has started a subsidy scheme for electromobility that includes electric bikes. The subsidy of 25% (up to €500) of the purchase price can be granted to private companies and non-profit organizations.

Italy

- Friuli Venezia Giulia offers an incentive scheme for private individuals with a prime corresponding to 30% of the purchase price, with a maximum amount of 200 €
- The following Italian cities give subsidies for EPACs
- Bologna: €300 for electric bikes
- Florence: €200
- Venice: €350 - 500
- Modena: 14% of acquisition price, max. €310
- L'Aquila: 10% of acquisition price
- Catania: €250
- Santorso: €100
- Grosseto: €200 - 250

The Netherlands

- Arnhem-Nijmegen granted subsidy of 30% of the purchase price

with maximum of €600

Spain

- Government of the Basque Country subsidy of 20% of the purchase price for electric bikes.
- Barcelona Metropolitan Area has set up its own annual grant for the purchase of e-bikes, which can be combined with this.

United Kingdom

- States of Jersey have introduced a subsidy scheme for electric bikes on the island. The amount of the grant is 20% of the purchase price with a maximum of €350 (equivalent)


Sweden

- In 2017 the Swedish Government presented a budget for 2018 that includes a 25% subsidy for all e-bike sales until 2020 (see above).

Norway

- Oslo government offers residents up to \$1,200 to buy an electric cargo bike. The city will pay up to 25 percent of the bike's cost, capping the grant at 10,000 kroner.

Switzerland

- Since 2010, the Canton of Geneva has been reimbursing its residents 250 chf when they buy an electric bike. 

Clarifying US E-Bike Legislation

Text & Photos: Editorial Dept.



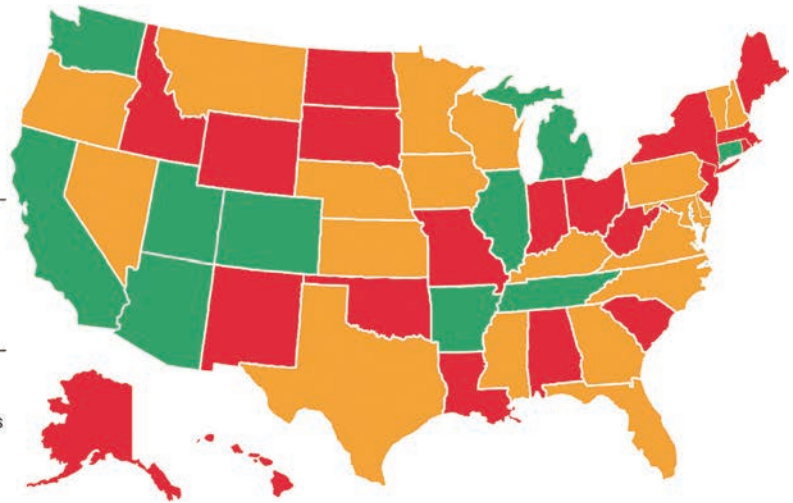
While e-bike sales have been taking off in Europe for several years now, America has lagged far behind Europe in the take up of electrically-assisted cycling. However, at last signs are here that Americans too have started to see the benefits offered by e-bikes. Last year, e-bike consultants eCycleElectric's estimated that a minimum of 260,000 units were sold in the USA, of which an estimated 215,000 were imported representing a 20-30% growth.

One factor that has held back uptake of the e-bikes has been the lack of clarity and conformity of e-bike legislation from state to state. In many states, electric bicycles lack a specific vehicle classification. In these states it is unclear how they are regulated, or they may be interpreted to fall within terms primarily aimed at combustion engine vehicles such as mopeds or scooters. These classifications that were never intended to apply e-bikes. This legal scheme creates

significant confusion for consumers and retailers, and hinders the electric bicycle market. PeopleForBikes and the Bicycle Product Suppliers Association (BPSA) are working to update and clarify state laws governing the use of electric bicycles (e-bikes) across the United States. Their objective is to ensure that certain electric bicycles are regulated similarly to traditional, human-powered bicycles to provide the same access that riders of traditional bicycles enjoy.

E-BIKE REGULATIONS

MODEL LEGISLATION	<ul style="list-style-type: none"> » PFB and BPSA have enacted model law, which defines and regulates three classes of e-bikes.
ACCEPTABLE	<ul style="list-style-type: none"> » Regulated as a bicycle » Passengers allowed » No age minimum » No licensing or registration required » Can use existing bike infrastructure
PROBLEMATIC	<ul style="list-style-type: none"> » Regulated as a moped or motor vehicle » Confusing equipment + use requirements » Confusing licensing + registration requirements » Confusing access to bike infrastructure



Federal vs State Law

Electric-assisted bicycles have been defined and regulated at the federal level since 2002. Public Law 107-319 established that electric bicycles are regulated as consumer products under the Consumer Product Safety Act, and more specifically, subject to the same regulations that govern traditional, human-powered bicycles. However, federal law does not preempt any state traffic laws or vehicle codes, and has no impact on state traffic laws or vehicle codes, which regulate

the use of electric bicycles, and it is still necessary to update these laws to incorporate these devices.

While about 30 states have incorporated e-bikes into their traffic codes and regulated them similarly to traditional bicycles, nearly 20 states still have outdated laws that lack a specific classification for electric bicycles. In these states, electric bicycles are regulated under a patchwork of laws aimed at mopeds or scooters, or in some cases it is not obvious how electric bicycles are classified at all. This creates significant confusion for consumers,

retailers, and manufacturers, and it discourages the public from taking advantage of the benefits that electric bicycles offer.

BPSA Class System

In order to modernize electric bicycle law in the United States, the BPSA has devised a three-class system to categorize electric bicycles and properly regulate them based on their maximum assisted speed. The BPSA class system would create the following categories of electric bicycles:

Class 1	An electric bicycle equipped with a motor that provides assistance only when the rider is pedaling, and that ceases to provide assistance when the bicycle reaches the speed of 20 miles per hour.
Class 2	An electric bicycle equipped with a motor that may be used exclusively to propel the bicycle, and that is not capable of providing assistance when the bicycle reaches the speed of 20 miles per hour.
Class 3	An electric bicycle equipped with a motor that provides assistance when the rider is pedaling, and that ceases to provide assistance when the bicycle reaches the speed of 28 miles per hour, and is equipped with a speedometer.

For all classes, the maximum power output is 750 watts (1 h.p.), and manufacturers and distributors of electric bicycles would be required to apply a class identification label to each electric bicycle.



▲ Connecticut Governor Dan Malloy signed a state e-bike bill in June.

In June of this year Connecticut became the tenth state to sign the basics of the BPSA's three-class e-bike system into law. Other states also using the system include, Arizona, Arkansas, California, Colorado, Illinois, Michigan, Tennessee, Utah, and Washington. In these states, e-bikes are regulated like bicycles and the same rules of the road apply to both e-bikes and human-powered bicycles, requiring no registration, license or insurance. Each of these states designates three classes of e-bikes as per BPSA class system above, with helmets required for riders of Class 3 e-bikes under 21 years of age. There are certain access restrictions for Class 3 e-bike riders, and persons under 16 years of age may not ride a Class 3 e-bike.

The BPSA is pursuing e-bike bills in Alabama, New Jersey, Ohio, Pennsylvania and Wisconsin this year.

Laws by state

Arizona, Arkansas, California, Colorado, Connecticut, Illi-

nois, Michigan, Tennessee, Utah, and Washington.

- E-bikes are regulated like bicycles. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing, or insurance requirements that apply to motor vehicles.

- Each of these states designates three classes of e-bikes as per BPSA class system above:

- Helmets are required for riders of Class 3 e-bikes under 21 years of age. Persons under 16 years of age may not ride a Class 3 e-bike. There are certain access restrictions for Class 3 e-bike riders.

- Local governments have the authority to restrict the use of e-bikes under motor power on bike paths. When in doubt, riders should check with their town, city, or county for local rules and regulations.

Alabama

- In Alabama, an e-bike is defined as a "motor-driven cycle." As a motor-driven cycle, e-bikes are not subject to the same rules of the road as traditional bicycles.

- E-bike riders must carry an operator's license and are subject to registration requirements. E-bikes are not subject to insurance requirements. However, Alabama's Department of Motor Vehicles does not recognize e-bikes as vehicles with these re-

quirements and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in Alabama is illegal.

- Helmets are required and there is a 14 year age minimum for e-bike use. E-bikes are not allowed on sidewalks and bike paths.

Alaska

- In Alaska, an e-bike is defined as a "motor-driven cycle." As a motor-driven cycle, e-bikes are not subject to the same rules of the road as traditional bicycles.

- E-bike riders must carry an operator's license. E-bikes are not subject to registration or insurance requirements.

- Helmets are not required. There is a 14 year age minimum for e-bike use. E-bikes are not allowed on sidewalks and bike paths.

Arizona

Arizona has created legislation based on the BPSA's class system. (See above.)

Arkansas

Arkansas has created legislation based on the BPSA's class system. (See above.)

California

California has created legislation based on the BPSA's class system. (See above.)

Colorado

Colorado has created legislation based on the BPSA's class system. (See above.)

Connecticut

Connecticut has created legislation based on the BPSA's class system. (See above.)

Delaware

- In Delaware, an e-bike is defined as a "bicycle," so long as the e-bike's motor is under 750w, has a maximum speed of 20mph and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- As with regular bicycles, helmets are required for riders and passengers under 18 year of age. There is no age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

Florida

- In Florida, an e-bike is defined as a "bicycle," so long as it is capable of being propelled by human power and has a maximum speed of 20mph. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to

the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required. There is a 16 year age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

Georgia

- In Georgia, an e-bike is defined as an "electric assisted bicycle," so long as the e-bike's motor is under 1,000w, has a maximum speed of 20mph, and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are required and there is a 15 year age minimum for e-bike use. E-bikes are allowed on bike paths, but may not be used on sidewalks.

Hawaii

- In Hawaii, an e-bike is defined as a "moped." As mopeds, e-bikes are not subject to the same rules of the road as regular bicycles.

- E-bike riders must carry an operator's license and are subject to registration requirements. E-bikes are not subject to insurance requirements. However, Hawaii's Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements

and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in Hawaii is illegal.

- Helmets are required for operators under 18 years of age. There is a 15 year age minimum for e-bike use. E-bikes are not allowed on sidewalks. Consult your local government for information on whether e-bikes and mopeds are permitted on bike paths.

Idaho

- In Idaho, an e-bike is defined as a "moped." As mopeds, e-bikes are not subject to the same rules of the road as regular bicycles.

- E-bike riders must carry an operator's license. E-bikes are not subject to registration or insurance requirements.

- Helmets are not required and there is no minimum age for e-bike use. E-bikes are not restricted from sidewalks if they are being ridden under human power. Riders should consult their local government for information on whether e-bikes are permitted on bike paths.

Illinois

Illinois has created legislation based on the BPSA's class system. (See above.)

Indiana

- In Indiana, an e-bike is defined as a "class b motor

driven cycle.” As a “motor driven cycle,” e-bikes are subject to the same rules of the road as regular bicycles.

- E-bikes are subject to licensing and registration requirements. E-bikes are not subject to insurance requirements. However, Indiana’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing and registration. Therefore, riding an electric bicycle in Indiana is illegal.

- Helmets are required for operators under 18 years of age and there is a 15 year age minimum for e-bike use. E-bikes are not allowed on sidewalks. Consult your local government for information on whether e-bikes are permitted on bike paths.

Iowa

- In Iowa, an e-bike is defined as a “bicycle,” so long as the e-bike’s motor is under 750w, has a maximum speed of 20mph and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is no age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

Kansas

- In Kansas, an e-bike is defined as an “electric assisted bicycle,” so long as the e-bike’s motor is under 1,000w, has a maximum speed of 20mph and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is no age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

Kentucky

- In Kentucky, an e-bike is defined as “bicycle,” so long as the e-bike has operable pedals and can be operated under combined human and motor power. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is no age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

Louisiana

- In Louisiana, an e-bike is defined as a “motorized bicycle” so long as its maximum speed is 25mph. As motorized bicycles, e-

bikes are not subject to the same rules of the road as regular bicycles.

- As operators of motorized bicycles, e-bike riders must carry an operator’s license and are subject to registration requirements. E-bikes are not subject to insurance requirements. However, Louisiana Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing and registration. Therefore, riding an electric bicycle in Louisiana is illegal.

- Helmets are required during operation, and there is a 15 year age minimum for e-bike use. E-bikes are not allowed on sidewalks. Consult your local government for information on whether e-bikes are permitted on bike paths

Maine

- In Maine, an e-bike is defined as a “motorized bicycle” so long as its maximum speed is 25mph. As motorized bicycles, e-bikes are not subject to the same rules of the road as regular bicycles.

- E-bike riders must carry an operator’s license and are subject to registration requirements. E-bikes are not subject to insurance requirements. However, Maine’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing and registration. There-

fore, riding an electric bicycle in Maine is illegal.

- Helmets are required for riders under 16 years of age, and there is a 16 year age minimum for e-bike operation. E-bikes are allowed on sidewalks. Riders should consult their local government for information on whether e-bikes and mopeds are permitted on bike paths.

Maryland

- In Maryland, an e-bike is defined as an “electric assisted bicycle,” so long as the e-bike’s motor is 500w or less, has a maximum speed of 20mph and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is no age minimum for e-bike use. E-bikes are not allowed on sidewalks. E-bikes are allowed on bike paths.

Massachusetts

- In Massachusetts, an e-bike is defined as a “motorized bicycle” as long as its maximum speed is 25mph. As motorized bicycles, e-bikes are not subject to the same rules of the road as regular bicycles.

- E-bike riders must carry an operator’s license and are subject to registration requirements. E-

bikes are not subject to insurance requirements.

- Helmets are required, and there is a 16 year age minimum for e-bike use. E-bikes are not allowed on sidewalks or bike paths.

Michigan

Michigan has created legislation based on the BPSA’s class system. (See above.)

Minnesota

- In Minnesota, an e-bike is defined as an “electric-assisted bicycle,” so long as the e-bike’s motor is 1,000w or less, has a maximum speed of 20mph, and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is a 15 year age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

Mississippi

- In Mississippi, e-bikes are considered a “bicycle with motor attached.” The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required

and there is no age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths, but local regulations may require that the motor be disengaged. Consult your local government for additional information.

Missouri

- In Missouri, an e-bike is defined as a “motorized bicycle” so long as its maximum speed is 30mph. As mopeds, e-bikes are not subject to the same rules of the road as regular bicycles.

- E-bike riders must carry an operator’s license. E-bikes are not subject to registration or insurance requirements.

- Helmets are not required, and there is a 16 year age minimum for e-bike use. E-bikes are not allowed on sidewalks. Consult your local government for information on whether e-bikes are permitted on bike paths.

Montana

- In Montana, an e-bike is defined as an “electrically assisted bicycle,” so long as the e-bike has a maximum speed of 20mph. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is no age minimum for e-bike use. E-bikes are allowed

on sidewalks and bike paths.

Nebraska

- In Nebraska, e-bikes are defined as “electric assisted bicycles,” so long as the e-bike’s motor is under 750w, has a maximum speed of 20mph, and has fully operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is no age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

Nevada

- In Nevada, e-bikes are defined as “electric assisted bicycles,” so long as the e-bike’s motor is under 750w, has a maximum speed of 20mph, and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required and there is no age minimum for e-bike use. E-bikes are allowed on sidewalks and bike paths.

New Hampshire

- In New Hampshire, e-bikes are defined as “electric assisted

bicycles,” so long as the e-bike’s motor is under 750w, has a maximum speed of 20mph, and has fully operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required for those over 14 years, but the age minimum for e-bike use in general is 14 years. E-bikes are not allowed on bike paths and it is unclear whether they are allowed on sidewalks.

New Jersey

- In New Jersey, e-bikes are defined as “motorized bicycles,” and are subject to the registration, licensing, and insurance requirements that apply to motor vehicles. However, New Jersey’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in New Jersey is illegal.

- Motorized bicycles are defined as vehicles with a power output no greater than 1,119w, maximum speed of 25mph, and without fully operable pedals.

- Helmets are required for motorized bicycle use and the age minimum for motorized bicycles use is 15 years. Motorized bicycles are not allowed on bike paths or sidewalks. However,

these restrictions are inapplicable to electric bicycles, since they fall outside of New Jersey’s definition of a motorized bicycle.

New Mexico

- In New Mexico, E-bikes are defined as a “mopeds,” and are subject to the licensing and insurance requirements that apply to motor vehicles. However, New Mexico’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing. Therefore, riding an electric bicycle in New Mexico is illegal.

- The maximum power output of mopeds under this definition is defined in CCs, which is inapplicable to electric bicycles. The helmet age minimum and access restrictions that apply to mopeds are also inapplicable to electric bicycles.

New York

- In New York, e-bikes are classified as “motor driven bicycles” and are subject to the registration, licensing and insurance requirements that apply to motor vehicles. However, New York’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in New York State is illegal.

- In New York City, the law

is interpreted to imply that pedal-assist e-bikes are legal to ride but throttle-actuated e-bikes are not legal to ride.

North Carolina

- In North Carolina, e-bikes are defined as “electric assisted bicycles,” so long as the e-bike’s motor is under 750w, has a maximum speed of 20mph, and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing, or insurance requirements that apply to motor vehicles.

- Helmets are not required, but the age minimum for e-bike use is 16 years. E-bikes are not allowed on sidewalks and it is unclear whether they are allowed on bike paths.

North Dakota

- In North Dakota, e-bikes are defined as a “motorized bicycles,” and are subject to the registration, licensing, and insurance requirements that apply to motor vehicles. However, North Dakota’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in North Dakota is illegal.

- The maximum power output of motorized bicycles under this definition is defined in CCs,

which is inapplicable to electric bicycles. The helmet, age minimum and access restrictions that apply to motorized bicycles are also inapplicable to electric bicycles.

Ohio

- In Ohio, e-bikes are defined as a “motorized bicycles,” and are subject to the registration, licensing, and insurance requirements that apply to motor vehicles. However, Ohio’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in Ohio is illegal.

- Motorized bicycles are defined as vehicles with a power output no greater than 745w, a maximum speed of 20mph, and with fully operable pedals. » Helmets are not required for those over 14 years, and the age minimum for motorized bicycle use in general is 14 years. Motorized bicycles are not allowed on sidewalks and it is unclear whether they are allowed on bike paths. However, these restrictions are inapplicable to electric bicycles, since they fall outside of Ohio’s definition of a motorized bicycle.

Oklahoma

- In Oklahoma, e-bikes are defined as “electric-assisted bicycles,” and are subject to the licensing and insurance require-

ments that apply to motor vehicles. However, Oklahoma’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing. Therefore, riding an electric bicycle in Oklahoma is illegal.

- Electric assisted bicycles are defined as vehicles with a power output no greater than 1,000w, a maximum speed of 30mph and fully operable pedals.

- Helmets are not required and there is no age minimum for electric-assisted bicycle use. Electric-assisted bicycles are allowed on sidewalks and bike paths. However, these restrictions are inapplicable to electric bicycles, since they fall outside of Oklahoma’s definition of an electric-assisted bicycle.

Oregon

- In Oregon, e-bikes are classified as “electric assisted bicycles,” and are regulated like bicycles, so long as the bicycle’s motor has a maximum power output of 1,000w, has pedals that propel the bike with human power and the bike doesn’t exceed 20mph.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- E-bikes are allowed on bike paths but are not allowed on sidewalks. The age minimum for e-bike riders is 16 years, and e-bike riders are not required to wear a helmet.

Pennsylvania

- In Pennsylvania, e-bikes are defined as “pedalcycles with electric assist,” so long as the e-bike’s motor is under 750w, has a maximum speed of 20mph, and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required but the age minimum for e-bike use is 16 years. E-bikes are allowed on sidewalks but it is unclear whether they are allowed on bike paths, and restrictions may apply in the event that e-bikes are allowed on sidewalks.

Rhode Island

- In Rhode Island, e-bikes are defined as “electric motorized bicycles,” and are subject to the licensing and insurance requirements that apply to motor vehicles. However, Rhode Island’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing. Therefore, riding an electric bicycle in Rhode Island is illegal.

- Electric motorized bicycles are defined as vehicles with a power output no greater than 1,491w, a maximum speed of 25mph and fully operable pedals.

- Helmets are not required for those over 16 years, and the age minimum for electric motor-

ized bicycle use in general is 16 years. Motorized bicycles are allowed on sidewalks and bike paths. However, these restrictions are inapplicable to electric bicycles since they fall outside of Rhode Island’s definition of an electric motorized bicycle.

South Carolina

- In South Carolina, e-bikes are defined as “mopeds” and are subject to the licensing and insurance requirements that apply to motor vehicles. However, South Carolina’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing. Therefore, riding an electric bicycle in South Carolina is illegal.

- Mopeds are defined as vehicles with a power output no greater than 1,491w, a maximum speed of 30mph, without fully operable pedals.

- Helmets are not required for those over 14 years, and the age minimum for moped use in general is 14 years. Mopeds are not allowed on sidewalks and their use on bike paths is unclear. However, these restrictions are inapplicable to electric bicycles, since they fall outside of South Carolina’s definition of a moped.

South Dakota

- In south Dakota, e-bikes are defined as “mopeds” and are subject to the licensing and insurance requirements that apply to

motor vehicles. However, South Dakota’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing. Therefore, riding an electric bicycle in South Dakota is illegal.

- The maximum power output of mopeds under this definition is defined in CCs, which is inapplicable to electric bicycles. The helmet, age minimum, and access restrictions that apply to mopeds is also inapplicable to electric bicycles.

Tennessee

Tennessee has created legislation based on the BPSA’s class system. (See above.)

Texas

- In Texas, e-bikes are defined as “electric bicycles,” so long motor has a maximum speed of 20mph. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required for e-bike use and there is no age minimum. E-bikes are allowed on bike paths and sidewalks.

Utah

Utah has created legislation based on the BPSA’s class system. (See above.)

Vermont

- In Vermont, e-bikes are defined as “motor driven cycles,” and are subject to the licensing and insurance requirements that apply to motor vehicles. However, Vermont’s Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying licensing. Therefore, riding an electric bicycle in Vermont is illegal.

- Motor driven cycles are defined as vehicles with a power output no greater than 1,491w, a maximum speed of 30mph, and without fully operable pedals.

- Helmets are not required but the age minimum for motor driven cycle use is 16 years. Mopeds are not allowed on sidewalks and their use on bike paths is unclear. However, these restrictions are inapplicable to electric bicycles since they fall outside of Vermont’s definition of a motor driven cycle.

Virginia

- In Virginia, e-bikes are defined as “electric power assisted bicycles,” so long as the e-bike’s motor is under 1,000w, has a maximum speed of 25mph and has operable pedals. The same rules of the road apply to both e-bikes and human-powered bicycles.

- E-bikes are not subject to the registration, licensing or insurance requirements that apply to motor vehicles.

- Helmets are not required

but the age minimum for e-bike use is 14. E-bikes are allowed on sidewalks and bike paths.

Washington

Washington has created legislation based on the BPSA’s class system. (See above.)

West Virginia

- In West Virginia, e-bikes are defined as “mopeds” and are subject to the registration, licensing, and insurance requirements that apply to motor vehicles. However, West Virginia Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in West Virginia is illegal.

- Mopeds are defined as vehicles with a power output no greater than 1,491w, a maximum speed of 30mph, with operable pedals.

- Helmets are required and the age minimum for moped use in general is 15 years. Mopeds are not allowed on sidewalks and their use on bike paths is unclear. However, these restrictions are inapplicable to electric bicycles since they fall outside of West Virginia’s definition of a moped.

Wisconsin

- In Wisconsin, e-bikes are classified as “motor bicycles,” and are regulated like bicycles, so long as the bicycle’s motor has a

maximum power output of 750w, has pedals that propel the bike with human power and the bike doesn’t exceed 20mph.

- Anyone operating an electric bicycle must possess a valid license. Electric bicycles are considered bicycles for vehicle registration purposes. » E-bikes are not allowed on bike paths. Sidewalk rules vary by city.


- E-bike riders are not required to wear a helmet but the rider must be at least 16 years of age.

- In the City of Madison, electric bicycles must be registered.

Wyoming

- In Wyoming, e-bikes are defined as “mopeds” and are subject to the registration, licensing, and insurance requirements that apply to motor vehicles. However, Wyoming Department of Motor Vehicles does not recognize e-bikes as vehicles with these requirements and has no system for supplying registration and licensing. Therefore, riding an electric bicycle in Wyoming is illegal.

- Mopeds are defined as vehicles with a power output no greater than 1,491w, a maximum speed of 30mph, with operable pedals.

- Helmets are not required for those 15 years and under and the age minimum for moped use in general is 15 years. Mopeds are not allowed on sidewalks or bike paths. However, these restrictions are inapplicable to electric bicycles since they fall outside of Wyoming’s definition of a moped. 

US E-Bike Imports Face 25% Tariff

Text: Editorial Dept.


Duty on e-bikes imported from China has become not just a hot topic in the EU, extra tariffs are also being considered on Chinese-made e-bikes imported into the US.

In its rapidly hotting-up trade war, in June the US Trump administration announced a new list of 284 products manufactured in China that would be subject to a 25% import tariff. The U.S. Trade Representative (USTR) had previously released a list of 818 product codes worth about

\$34 billion that will be subject to tariff duty from July 6. The latest list of 284 items which includes e-bikes has yet to be reviewed by the USTR which will allow a period of time for open-to-public comments before making a final decision on whether e-bikes will actually be include in the tariff.

According to Bicycle Retailer, efforts are already underway within the industry to remove electric bikes from the list. Matt Moore, who chairs the legislative committee for the Bicycle Product

Suppliers Association and is general counsel for Quality Bicycle Products told Bicycle Retailer. "The whole situation is frustrating and distracting. The frustration is that we all deal with a long horizon on product planning and sourcing and it's not easy to just up and change your manufacturer or assembler at the drop of a hat.

The USTR has yet to formally announce the date for the public hearing, which said to be tentatively scheduled for July 24th in Washington DC. 

FLOW SNAP



VEE TIRE CO.
TAKE YOURSELF FURTHER

GRAVITY CORE

NOW AVAILABLE
29 X 2.35

Richmond's E-Bike Elegance

Text & Photos: Editorial Dept.

E-MTN FS-CARBON

Hardtail carbon full suspension eMTB with Shimano E-8000 Steps and integrated battery design featuring SRAM NX Eagle systems.



E-MTN C TEAM

Hardtail carbon eMTB with Shimano E-8000 Steps and integrated battery design.

E-CITY AL 3


Aluminum E-CITY with Shimano Nexus 3-speed system.



Since 1990, Richmond has been producing unique, light weight bicycles with elegant framesets and equipped with top-brand components. Today, Richmond bikes are more powerful, faster and more advanced than ever, promising cyclists the ride of lifetime, and have a sense of insight into trends even more, such as Richmond e-bikes!!

All Richmond bikes are made in a state-of-the-art factory in Taiwan, and are controlled and tested by expert engineers.

Nowadays, Richmond bikes come in a variety of differ-

ent models and builds, and the company specializes in its e-bike series. They all typically feature a perfect blending of European design cultures for pure elegance and aesthetic appeal. 

VanMoof Launch Anti-Theft E-Bike Range

Text & Photos: Editorial Dept.

Dutch-based bike/tech company, VanMoof has launched a new range of e-bikes featuring the latest in theft defense technology. The Electrified S2 & X2 include a virtually invisible Stealth Lock, rider recognition, and a multi-phased alarm to take their battle with bike thieves to the next level.

Turbo Boost motor



The new e-bike range ships with a more powerful motor capable of offering riders pedal assist up to 32km/h (20miles/h). The powerful motor also offers a 'Turbo boost' feature giving riders 50% more acceleration at the press of a button on the handlebar.

“Everything you need for the perfect ride is integrated, so you can enjoy moving around the city. The next gen motor and battery carry you further than ever, and the new turbo boost is ridiculously fast,” noted Ties Carlier, VanMoof Co-founder.

Unique frame design

Tokyo-inspired X Frame was originally an exclusive de-



▲ VanMoof's have launched new S2 & X2 electric-assist bikes.



▲ The frame's 166 responsive LED's give information to both rider and other road users.

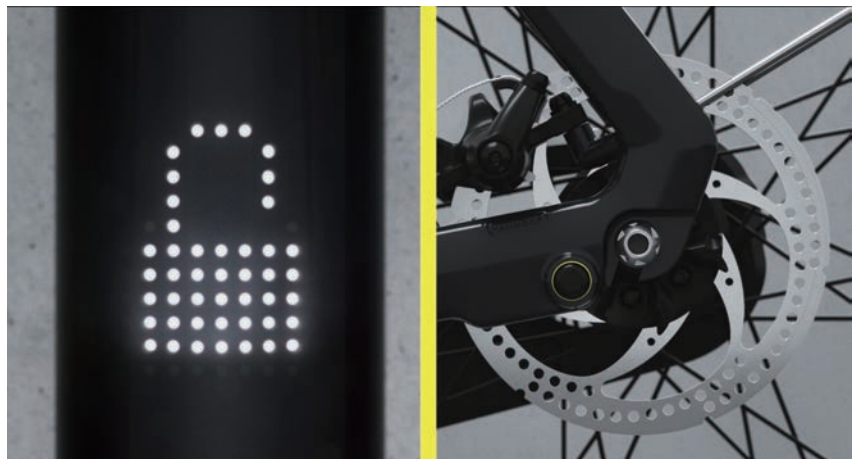
sign for the Japanese market. The unisex design is suited to all riders between 155 and 200 cm (61 and 79 inches) and features VanMoof's iconic front and rear lights which have evolved to fit seamlessly into the frame. A new display system in the top tube

comprises of 166 responsive LEDs which bring the frame to life. Speed, battery level, and power-assist level displays allow for bike-rider interaction at a glance, yet disappear completely when turned off.

Next level theft defense

The Electrified S2 & X2 come with a revolutionary (and virtually invisible) Stealth Lock that stops the wheels from turning and activates the theft defense system with a kick, automatically unlocking and disarming when the owner is nearby. Combined with the integrated alarm and lock-down system which the company claims make it impossible to ride (let alone sell) if stolen.

Additionally, if a thief somehow jumps through all of these hoops, the bike's owner can simply alert VanMoof's Bike Hunters via an app. Bike Hunters will then spring into action to recover the stolen bike. This opt-in service guarantees that if the Bike Hunters don't track it down within two weeks, VanMoof will replace it.



▲ VanMoof claims the Stealth Lock makes the bike impossible to ride if stolen.

"We can build bigger and tougher locks, or we can truly solve the problem by making our bikes pointless to steal in the first place. Using smart technology we've created a bike that can take perfect care of itself, leaving no more worries for the rider," stressed Taco Carlier, VanMoof Co-founder

Within just 15 minutes of online sales going live on the

company website, over 1000 customers around the world had reserved their place in line. Reservations hit 2500 in 24 hours, making this the most successful product launch in VanMoof's history. Early bird riders can still reserve the new VanMoof Electrified S2 & X2 at vanmoof.com, saving €1000 on the list price of €3398, with deliveries commencing in October. 

2018~2019 Major Cycle Shows

Show Name	Place	Date
● Eurobike	Friedrichshafen, Germany	07/08 - 07/10
● Kielce Bike-Expo	Kielce, Poland	09/13 - 09/15
● Interbike	Reno, USA	09/18 - 09/20
● Taichung Bike Week	Taichung, Taiwan	09/26 - 09/28
● The Cycle Show	Birmingham, UK	09/28- 09/30
● Taipei Int'l Cycle Show	Taipei, Taiwan	10/31 - 11/03
● Cycle Mode Int'l Show	Tokyo, Japan	11/09 - 11/11
● Dubai Int'l Bicycle Exhibition	Dubai UAE	2019/01/11 - 01/12
● Cycle Exchange	Pasay, Philippines	2019/02/01 - 02/03
● Velo Park	Moscow, Russia	2019/02/07 - 02/09
● India Int'l Cycle, Fitness & Outdoor Sports Expo	Ludhiana, India	2019/03/01 - 03/03
● Myanmar Sports & Leisure Expo	Yangon, Myanmar	2019/03

● Wheel Giant is authorized to sell space and organize group exhibitions at these shows.
 ● Wheel Giant is an official partner of Taichung Bike Week.

Bafang Introducing New Drive Systems

Text & Photos: Editorial Dept.

Bafang, one of Asia's leading manufacturers of e-mobility components and complete e-drive systems, has been developing components and complete systems for electric vehicles for 15 years. The company focuses on all global e-mobility trends of the future: be it as an individual e-bike, e-scooter or for public bike sharing schemes. At this year's Eurobike show, Bafang will be displaying its latest drive systems.

M800 mini mid drive system for e-road bikes

The emergence of new categories, such as gravel bikes which are ridden at lower speeds and over hillier terrain, coupled with a growing older population road bike has led Bafang to develop the new motor—M800 mini mid drive system for e-road, e-gravel and e-cyclocross bikes

Bafang believe that the form factor of this new mini-size motor creates new and significant design opportunities for bike brands across the globe who are developing 'e-road racing style'

bikes, including gravel and cyclocross concepts. One of the key advantages of the new drive unit is its low weight, at less than 2.3 kg, but with a 200 W rated output power and a max torque of 55 Nm. The electronics and 200 Wh inTube battery add just 2 kg more. This takes the total system weight to less than 4.4 kg, including display and remote shifters.

Functionality is key, paired with quiet and smooth operation controlled by dual torque and speed sensors. The motor offers single and double chainring compatibility (chain wheel size 44T or 34/50T), and while it can easily be set to the EU legal limit of 25 km/h, with its maximum speed of 45 km/h the system is also capable of use on speed pedelecs. The pedaling assist level can be set in five steps controlled by 1 or 2 satellite shifter pods, which can be individually placed on the drop handlebar. The 2.2 inch TFT color display offers up to 10 settings.



▲Bafang's M800 mini drive system for road and gravel bikes

Since an e-road bike will very quickly exceed the 25 km/h (EU) legal motor assist speed threshold, the drive has been tuned to perform optimally when starting off and accelerating, as well as on short sprints and steep climbs. For the US and other regions, the speed limit can be set at 32 km/h or 45 km/h instead. But whatever the exact limit, most important is that when the limit is reached, the drive train unit runs almost resistance free. Thus the rider's own pedaling effort above the limit speed is not affected. This will typically be



▲Bafang M420 drive system



▲Bafang M-Series: M500 & M600

when riders are pedaling in the upper 20s to mid-30s km/h speed range.

The battery pack, with a capacity of 200 Wh, might at first sound a bit on the small side. But because battery capacity is used only on ascents and when starting/accelerating within the speed limit, this battery capacity will be more than sufficient even for longer trips (50 to 150 km or more).

This development is also a clear indication of the design approach which Bafang and the e-road bike industry are taking for e-road bikes: the motor's assistance is intended only for longer or steeper climbs, and less for continuous assistance in 'normal' riding conditions. Bafang sees a growing number of performance-oriented consumers, and therefore also manufacturers, who will appreciate these advantages, especially for the fast-growing categories of gravel and cyclocross bikes.

Bafang M420

The well-established M400 (formerly Max Drive) system has been given a facelift and introduced as the M420, offering new options for modern-styled urban and trekking bikes. The clean, compact drive system for modern city and trekking bicycles uses the same frame mounting interface, comes with a rated power of 250 W, the same powerful 80 Nm performance and a EU-legal speed limit of 25 km/h. Compatible with the 450 Wh InTube or various rack type batteries, and with a number of new displays (with Bluetooth and USB-out functionality), designers have ample opportunity to create contemporary looking city and trekking bikes.

Bafang M-Series: M500 & M600

Last year Bafang introduced a platform of three mid motors to cover the full range of global speed and wattage restrictions. The M500 system is rated at 250W, while the M600 can have either 350 or 500W motors. These motors offer peak torque values of 95 Nm (M500) to 120 Nm (M600).

The complete range is now available for OEMs to test and specify, including versions which are EU compliant for 25 km/h (Pedelec) and 45 km/h (S-Pedelec), plus USA versions for limits of 20 mph to 28 mph.

With industry-leading system weights of less than 3.0 kg and 3.4 kg, ISIS drive BBs, customization of motor covers and alloy bash guards, and potential for private labelling, Bafang can offer set new standards for global e-drive manufacturers.



▲ Bafang H800 gear-drive rear hub motor for e-MTB and speed pedelecs

▲ Bafang H600 Mini-Hub – for front or rear drive Lifestyle eBikes

Bafang F-Series batteries


The new 450 Wh or 600 Wh F-Series InTube batteries can be inserted from the top or underside of the downtube. There will be also a semi-integrated battery pack available with a maximum capacity of 1000Wh. The 450 Wh battery is the first battery to become available from the new Bafang battery assembly factory in Suzhou.

Bafang F-Series batteries use Panasonic/Samsung cells. CanBus and UART communication protocols, and two different charger options with 2 A or 3 A charging capacity, complement the battery offering.

Bafang H800 gear-drive rear hub motor for e-MTB and speed pedelecs

Also on display is the Bafang H800 gear-drive rear hub motor, with 350 or 500W output and a max torque of 55 Nm, featuring MTB thru-axle design to the Boost standard. This rear motor hub is perfect for sporty e-MTBs and all types of speed pedelecs in the major European and US markets.

Bafang H600 Mini-Hub – for front or rear drive Lifestyle eBikes

Currently the lightest (just 1.7 kg for the front hub version) and smallest-diameter system (both front and rear hub versions are 100 mm diameter) with up to 45 Nm torque, this range targets a lifestyle-oriented urban audience. Applicable for all brake system options and compatible with 6 to 9 speed cassettes (rear hub only). Available in silver or black. 

OEM / ODM MANUFACTURER

VIVID E-FIXIE

REAR MOTOR DRIVE, 36V 250W



SAFARI E-MTB

SHIMANO E8000

GRACE E-CTB

FRONT MOTOR DRIVE, 36V 250W



TAROKA www.taroka.com.tw

YOUN LIVE INDUSTRY CO., LTD.

No.10-63, Yuangang, Yuanli Township, Miaoli County 35852, Taiwan

Tel:886-37-860061 Fax:886-37-860161

E-mail:sales@taroka.com.tw

T-Global Technology's heat conduction solutions

Text & Photos: Editorial Dept.



▲ T-Global Technology specializes in the R&D and sales of thermal management products, and provides all-round thermal conduction solutions.

As bicycles enter the electric era, because components such as motors, batteries and controllers may suffer from overheating, all need thermal conduction solutions. Established in 2003, T-Global Technology specializes in thermal management solutions, and can provide all-round heat conduction solutions targeting the needs of customers' products employing its flexible production capabilities. T-Global is dedicated to providing fast service, and offers products meeting RoHS,

Reach, and UL standards; it has passed safety certification, and guarantees the quality, reliability, and stability of its products. After accumulating experience for 15 years, T-Global has won the support of many well-known brands worldwide, and currently has over 2,500 direct customers worldwide. T-Global's headquarters and factory are located in Taoyuan, Taiwan, it has established a subsidiary in Britain, offices both in the US and China to provide speedy, efficient customer service.

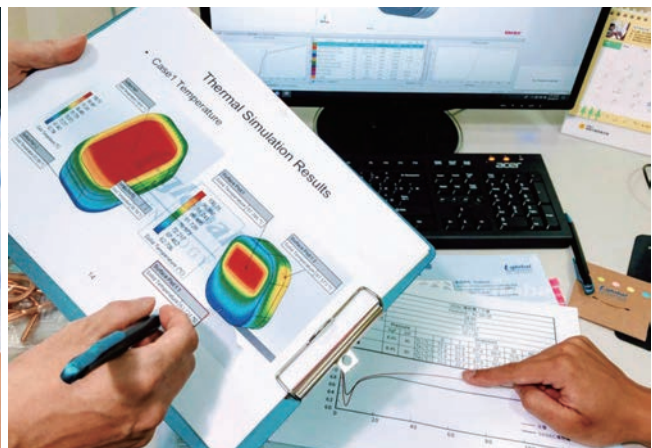
No heat too tough for T-Global

T-Global's heat-conducting interface materials include silicone thermal conductive pads, thermal tape, thermal grease and putty, heat pipe, graphene, and EMI absorbing materials; these products are used in vehicle applications, LED lighting, medical devices, wireless communications, power supplies, panel displays, and computers, etc.

T-Global started out supplying thermal conducting materi-



▲►Thermal conductive putty can be used in motors.



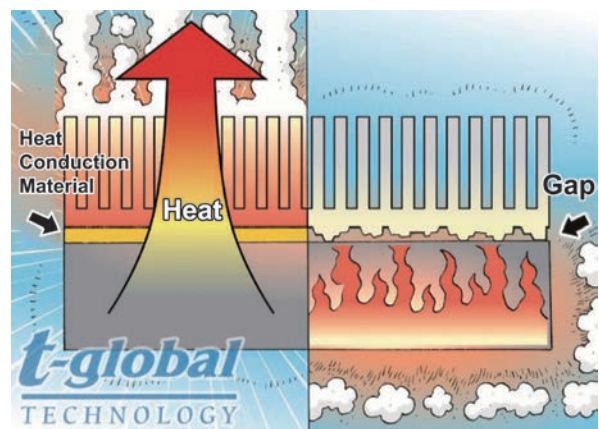
▲►T-Global's dedicated R&D and specialized equipment allows it to perform thermal simulations and analysis.

als, and later moved into thermal modules. Nowadays, the company has a highly capable R&D team and various specialized equipment, and is able to perform thermal simulations and analysis, and provide overall thermal solutions. When customers' products are in the development stage, T-Global can offer the most direct and professional services.


Taking e-bikes as an example, because the temperature of the motor and controller will rise when the e-bikes are in use, if nothing is done to cool these components or dissipate the heat, the high temperature may cause

the motor or electronic components to malfunction, reduce their useful life or cause burns to the rider.

Seeing the potential of electric cars and e-bikes, T-Global has made preparations to target this market, and has gained approval from prominent international electric car and electric motorcycle manufacturers. In addition, T-Global now is already providing



▲ The uneven gap between heat sink and heat source cause poor heat dissipation (right). After adding thermal conductive interface materials, heat will flow readily between the two connected surfaces (left).

highly-effective thermal solution and products to well-known e-bike brands in Europe and North America. 



▲ Hyena's deputy general manager in charge of R&D, Charlie (left), and brand manager K.T. Lin (right).

The E-Bike Systems Integration Experts

Hyena and Brose form a strategic partnership

Text & Photos: Editorial Dept.

Hyena Inc. was established in 2013 to capitalize on the growing potential of e-bikes. Located in the Taichung Industrial Park, Hyena takes “Smarter Mobility Solutions” as its watchword, and hopes to provide complete e-bike systems offering green, environmentally-friendly mobility.

Integrated hardware and software

According to Hyena brand manager K.T. Lin, the company's co-founders all have backgrounds in the bicycle industry, possess experience working at well-known brands, and also have many years of e-bike experience,

including in R&D, sales, and customer service, which has given them extensive knowledge of how to meet consumers' actual needs. After five years, Hyena has grown from a tiny three-person company to an established enterprise with 60 employees, but it remains youthful and full of vitality. Hyena places special



▲ No matter whether standardized or customized e-bike components are needed, Hyena is ready to provide appropriate solutions.



▲ Hyena is able to design displays and drive units tailored to meet customers' needs.



▲ The Hyena company building.



▲ Electrical control systems have gradually earned recognition as important elements in two-wheeled transportation vehicles.




▲ Hyena's system testing laboratory.

emphasis on R&D and design, and has over 40 R&D personnel, of which 50% are involved in software development. As long as a problem involves e-bike systems integration, Hyena's team is ready to provide solutions meeting customers' needs. Even if customers have no idea what they need, Hyena can provide standardized service components, and when customers do have their own ideas, Hyena can offer customized service components. Customers can select speci-

fied motor and battery brands or specifications, and Hyena can integrate and design components such as e-bike displays, drive units, and on-board computers. Hyena ensures that software and hardware are a perfect fit, and creates e-bike system components tailored specifically for customers. With the arrival of the smart technology age, Hyena has also introduced apps designed exclusively for system components, forming a so-called "Internet of bikes," and letting people lead

smart cycling lives.

In 2018, Hyena reached a strategic partnership agreement with Germany's Brose, under which Hyena will be Brose's general agent in the Asia-Pacific region. Apart from giving Brose deeper penetration of the Asian market, Brose's positioning in the high-end market will ensure that Hyena's customers have more and better motor options, giving both companies even more opportunities. 

E-bike product gallery

Text & Photos: Editorial Dept.

Avin

Waterproof connectors

Avin make waterproof connectors for e-mobility solutions as well as many other applications. Used for connecting the battery to the motor for battery swapping systems, Avin can customize designs.

The A1 series can be up to

4P 8S (Mix & Match selection) with a maximum current of 60A, and waterproof and dustproof ratings of IP68. The A2 series features multi angle insertion to male from 90 to 180 degrees with a current of 30A and rating IP66 Both series have a flammability rating of UL94V0.

+886-4-23581581
www.avertronics.com



Apro

ERDP6.0CA-S 275+

The ERDP 6.0CA-S 275+ is design for conquering extreme terrain. The slim, muscular look is reminiscent of an off-road motorcycle. The carbon fiber chassis is manufactured utilizing High Modulus Carbon Fiber and NJW—a unique forming technology from Apro which

provides superior strength and extreme lightweight. Combined with a #6061 aluminum rear triangle the complete frame is lightweight, stiff and responsive. The frame is suitable for a Shimano E-8000 motor with the new in-tube battery, and there is also an option for the Darfin battery



available early 2019.

+886-4-26821688
www.apro-tek.com

Arc EV Tire

Propulse

Arc EV Tire believes it's Propulse is the new standard by which tire specification for two-wheel electric vehicles will be judged. After extensive development and testing, the Propulse uses ARC's proprietary Ingenuit-e compound, which considerably lowers rolling resistance, thereby extending riding distance. Available in e-bike, e-scooter and e-moto sizing, ARC EV Tires are engineered specifically for the weight and performance demands of two-wheeled electric



vehicles. Using beads with higher tensile strength, as well as sidewalls that increase lateral stiffness.

www.imb2b.com/ebook/catalog/motor/gmdtire_2018/

Asia Bicycle Trading Company

E6

Asia Bicycle Trading Company have a 27.5" Plus frame made from 6061 alloy. H/T size is 1-1/8" and the upper is 1-1/2". The frame is for use with Shimano's E8000 drive system, and hub specifications are 148mm x 12mm (e-thru).



Asia Bicycle Trading Company

E3

Asia Bicycle Trading Company have a 27.5 eMTB frame made from 6061 alloy. H/T size is 1-1/8" and the upper is 1-1/2". The frame is for use with Bosch drive systems, and hub specifications are 142mm x 12mm (e-thru).



Bear Pawls

BEB-004

The BEB-004 rear hub from Bear Pawls was engineered specifically for the high torque demands of eBike drivetrains. Each of the six single-sprung pawls in the cassette uses two engagement points to distribute drive forces throughout more of the drive ring. The hub flanges have been optimized to allow for easier threading of spokes making the wheel stronger and faster to build, thereby increasing production capacity. Contrary to conventional hub architecture, the BEB-004 uses a precision-ground, high strength steel axle with concentricity tolerance better than 0.01mm for maximum wear resistance and long-running performance. Available interchangeable drive systems are compatible with either Shimano or SRAM cassettes with axle compatibility varying from 5mm QR to 12mm through axles.

+886-4-25606996
<http://bearpawls.com>



Bike Hand

YC-38BB

The YC-38BB is a 2-in-1 e-bike wrench for Bosch systems. It can be used to install and remove the lock ring of Bosch electric bicycle motor. It's suitable for Bosch Classic line, Active and Performance systems.



DNP

LY-1107XFN

LY-1107XFN is a freewheel for 7-speed e-bikes, available in 11-28T, 11-30T, 11-32T, 11-34T options.

+886 2 2995-8777
www.dnp.com.tw



DNP

LY-1111MFN 11-34T

LY-1111MFN 11-34T is a freewheel for 11-speed e-bikes, available only in 11-34T.

+886 2 2995-8777
www.dnp.com.tw



GWA

GWA09C E-Cargo Bike

Originally launched in 2008, GWA's e-Cargo Bike has evolved into different models. The latest model model, GWA09C, has reverse drive and Bluetooth functions. The GWA09C offers a direct drive rear motor for high torque applications and allows both forward and reverse gear operation. The bike supports a bottom bracket torque sensor and offers re-gen function



when speed limitation is reached. Additional options are available for an add-on Bluetooth Low Energy (BLE) junction box and selection of R37 or R45 battery packs. The standard bike includes a home-based diagnostic tool.

High Power Technology

HP0240W Series

High Power Technology claim its battery charger is best for electrically powered wheelchairs, scooters, motorcycles and all types of electric vehicles and equipment. The charger utilizes a microprocessor to control the system and can be connected to a battery indefinitely without harming it. The charger automatically checks the battery until it is fully charged.

+886-2-25536219
www.high-power.cn



Imeier

IM 16

Imeier's IM 16 is a folding e-bike with 16" wheels. According to Imeier the aluminum alloy x-shaped frame can be folded in just 1 sec. Coming in an anodized silver finish the bike has a gross weight of 25.5kg.

+886-2-88262908

www.imeier.tw



Innova Rubber

Flint

Innova's Flint is 700X38C designed for e-bikes. The flat tread design reduces rolling resistance, improves the grip and saves electricity. Innova claim that the Sport Guard of 3.5mm thickness is perfect for puncture protection. The maximum speed is 25km/h and maximum load is 150kgs for one bike.

www.innovatires.com



Kenda

Nevegal 2 (K1211)

Over a decade after its original release, the Nevegal gets a complete makeover that leaves no aspect of the tire unchanged. The tread pattern was updated for reduced rolling resistance and now features the new EN-DTC rubber compound. The casing benefits from the latest in material technology featuring the Advanced Trail Casing optimized for enduro racing and trail riding. The Nevegal 2 is e-bike ready and certified to the ECE-R75 standards for e-bikes up to 50km/h in speed.

+886-4-8345171

www.kendatire.com



Kenda

Regolith (K1214)

Kenda's Regolith is an all-new all-round mountain bike tire developed to set a new benchmark in versatility. It's the perfect choice for people who want to ride a single tire that excels in many aspects. The EMC was casing specifically developed for E-mountainbikes with ECE-R75 certification.

+886-4-8345171

www.kendatire.com



KMC

E-Bike Series Chain

KMC's e-bike series chain is the brainchild of intensive technical collaboration with renowned e-bike motor brands to be the perfect chain solution for all central motor and hub systems. The KMC e-bike chain is able to cope with mid motors tremendous generation of force to the chain, and offer tensile strength of over 1,000 kgf. New patented riveting technology helps achieve industry-leading pin power of 450kgf to give a premium chain possessing both rigidity and tenacity.

+886-6-2019103 www.kmcchain.com



Leadtec

LCS-7195

Leadtec have launched a 3D-forged stem designed for eMTBs. The high-strength stem is, according to Leadtec, suitable to be

paired with a 'wider frame'. The LCS-7195, with an extension of 40-80mm, also has multiple extensions in barbores 31.8mm and 35.0mm available.



Lasco

Cranksets

Lasco are a specialist for e-bike transmission components

that are compatible with most of e-bike motor brands on the market. Products come in a broad range that will cover nearly every customer's needs. Lasco have a

strong technical support to offer customized development as per customers' request.

+886-4-22712969
@teresalai@lasco.com.tw



Specialist for Mid Motor system

Also available for: GOSPADE / SEMPU/VINKA/LDS

BOSCH		BROSE		BAFANG		NIDEC		DAPU		FAZUA		YAMAHA				
EM20/D-48T-GA34	EM20-GA33	EM05-2D-07	EM10-44T-GA8	EM19-48-GA24/B	EM22P1DG-44-GA8	EM35P1DG-38-GA32	EM14-38T-1DT0-GA32	EM29-2D10-GA31	EM06-46-GA10/B	x for Bosch active line	x suitable for Bosch /Gates belt drive system	x available for 1x or 2x ring set	x for Maxdrive system	x for torque system	x for PWX system	x for PW system
Model	Offset	EB01	EB05	EB07	EB13	EB35	EB08R	EB10R	EB08L	EB10L	EB11	EB03	EB06	EB11		
	Offset	28.7mm	22.5mm	27.5mm	48.3mm	28.4mm	22.1mm	30.0mm	14.4mm	20.0mm	43.0mm	13.0mm	28.0mm	43.0mm		

Merida

Espresso

Espresso combines day-to-day usability with staying fit and healthy. Merida offer an array of frame and specification tyres: the Espresso with the classic ‘diamond’ frame, the Espresso L (low) with a heavily sloping top tube and the Espresso City models with a low step through frame. All bikes are fully equipped or are ready for a rear rack, mud guards or a kick stand to be fitted. Up to now, the Espresso exclusively relied upon the proven combination of E6000 motor and matching battery. While keeping this option in the range, It will also have the powerful E8000 setup of motor and battery.

+886-4-8526171
www.merida-bikes.tw



Merida

eOne-Sixty

In 2017 Merida’s engineers took the One-Sixty and added a built in shuttle service to create the award and test winning eOne-Sixty! This 160/160 mm enduro full suspension e-bike with its all-aluminium frame delivers a host of features like complete internal cable routing with ‘Smart Entry’ cable access. Due to 650b+ tyres, Boost Standard wheels, Shimano E8000 Steps motor and fun focussed agile and playful geometry (reach for a M frame is 440 mm).

+886-4-8526171
www.merida-bikes.tw

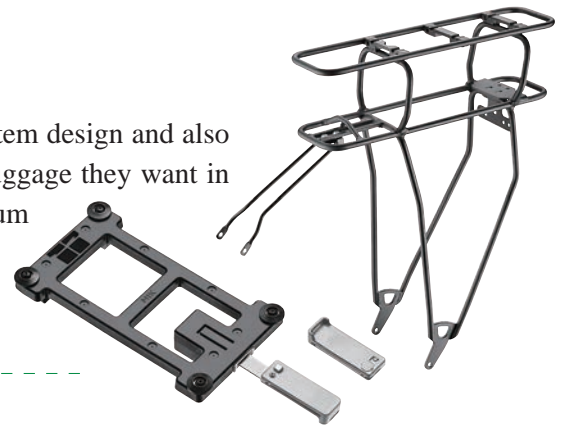


Massload

Alloy Electric Rear Carrier CL-639

Massload’s CL-639 is its new MIK (adapter CL-QS1) system design and also Bosch rear battery pack carrier. Riders can click on whatever luggage they want in just 1 second and transport it with great stability. The maximum load weight is 25kg for 26”, 700C, 28” bikes. People are not allowed to sit on the rack and baby seats are prohibited.

www.mik-click.com



Novatec

D791SB-B15 / D162SB-SL-B12

E-MTB systems put large amounts of torque onto the hub, which is responsible for transforming that power into forward motion. To combat this power transfer, Novatec design eMTB hub concepts focus on giving superior stiffness and enduring performance. Novatec believe their hub combination is the perfect mid-level eMTB hub set. D791SB-B15 weighs 154 grams and D162SB-SL-B12 XD driver 425g / 11S 457g

+886-4-25668888
www.Novatecwheels.com



2018 PROWHEEL E-BIKE DESIGNED FOR BOSCH Gen 2

2018 PROWHEEL E-BIKE DESIGNED FOR BOSCH Gen 3

E-BIKE CRANK

EB03-03-R-SIS
EB03-L-SIS
LENGTH: 165, 170, 172.5, 175mm
FINISH: BLACK SAND POWDER COAT

EB04-03-R-SIS
EB04-L-SIS
LENGTH: 165, 170, 172.5, 175mm
FINISH: BLACK SAND POWDER COAT

STEEL CHAINRING

PRO-38T
PRO-38T
104mm BCD
FINISH: BLACK SAND POWDER COAT

SPIDER

13T
104mm BCD
FINISH: BLACK SAND POWDER COAT

CHAINGUARD

A662
ENHANCED MATERIAL ALLOY
FINISH: BLACK SAND POWDER COAT
FOR CHAINRING: 38T
104mm BCD

SPINDLE BOLT

CRMO M10
FINISH: BLACK SAND POWDER COAT

MODEL	CRANK	SPIDER	CHAINRING	CHAINGUARD	SPK	SL	SLC
EB03-167-03	EB03	X	167	X	03	415	X
EB03-170-03	EB03	X	170	X	03	415	X
EB03-172.5-03	EB03	X	172.5	X	03	415	X
EB03-175-03	EB03	X	175	X	03	415	X

E-BIKE CRANK

EB03-R-SNI
EB03-L-SNI
LENGTH: 165, 170, 172.5, 175mm
FINISH: BLACK SAND POWDER COAT
WEIGHT: 450g/PAIR

EB04-R-SNI
EB04-L-SNI
LENGTH: 165, 170, 172.5, 175mm
FINISH: BLACK SAND POWDER COAT
WEIGHT: 450g/PAIR

STEEL CHAINRING

PRO-38T-1
ENHANCED MATERIAL ALLOY
FINISH: BLACK SAND POWDER COAT
104mm BCD

SPIDER

13T
104mm BCD
FINISH: BLACK SAND POWDER COAT

CHAINGUARD

A662
ENHANCED MATERIAL ALLOY
FINISH: BLACK SAND POWDER COAT
FOR CHAINRING: 38T
104mm BCD

SPINDLE BOLT

CRMO M10
FINISH: BLACK SAND POWDER COAT

MODEL	CRANK	SPIDER	CHAINRING	CHAINGUARD	SPK	SL	SLC
EB03-238A-S11	EB03	S11	PRO-38T-1	A662	X	415	104
EB04-238A-S11	EB04	S11	PRO-38T-1	A662	X	415	104

Prowheel

E-bike Crank & Chainrings

Prowheel has launched crank and chainwheels for e-bikes. Crank lengths are 165, 170, 172.5 and 175mm. Finish is black sand powder coat. Weight

is 490 grams / pair. According to Prowheel, its steel chainring is made from steel. It has a BED finish. The BCD is 104mm. The chainguard is alloy. The finish is black sand anodized. It is for 38T chainrings. The size is 104mm. The spider is 13T mounting in-

terface. It is made from 6061-T6 aluminum. BCD is 104mm. The spindle bolt weight is crmo: 45 grams / pair. All the above products are for Bosch Gen 3 motors.

+886-6-2825791
www.pro-wheel.com

Richmond

E-MTN FS-Carbon

Richmond describes its E-MTN FS-Carbon as a 'hardtail carbon full suspension eMTB'. Featuring the Shimano E-8000 Steps drive system and an integrated battery design, the bike also comes equipped with Sram's NX Eagle drivetrain.

www.richmond-bikes.com



Richmond

E-MTN C Team

Richmond E-MTN C Team is a hardtail carbon eMTB with Shimano E-8000 Steps and integrated battery design.

www.richmond-bikes.com



E-BIKE



Chainline Option: 45mm/47mm/49mm/52mm/Fatbike

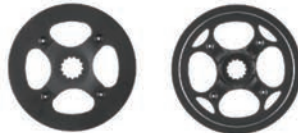
BOSCH V2



BAFANG MAX/MODEST Spider: BCD76/104/130



BOSCH V3 Spider: BCD104/130



YAMAHA v1/v2 Spider: BCD104/130



BROSE Spider: BCD104/130



SHIMANO E6000/E8000 Spider: BCD104/130



Samox

Samox has launched a range of e-bike parts including crankarms, spiders, chainrings and chainguards compatible with different motors. Samox is able to offer customers followings products with different chainlines (e.g. 45/47/49...76mm), different offset of crankarms, different teeth profile/mate-

rial chainring (narrow/wide, regular teeth, alloy or steel). Chainrings are available in single chainring 28T~53T and double chainring options of 40/28T, 44/30T, 50/34T...etc).

+886-4-8314959
www.samox.com.tw

Sunnywheel

KC-111 Cargo box

Sunnywheel's cargo box allows notebook computers to be placed in the storage compartment with no worries while the cyclist rides. According to Sunnywheel, all objects can be placed into the unique storage compartment. Another unique feature is the pivot design top cover which Sunnywheel claim can be opened to any angle.

+886-4-761-6188
www.sunnywheel.com



Sunnywheel

Cable Storage Tech

The innovative design of cable storage provides a simple clip lock for the power transmission line system of all e-bikes. Designed with a light and modern appearance, the fender presents a totally different sensation of technology.

+886-4-761-6188
www.sunnywheel.com



Taya Chain

11s Onze Galaxy

11s Onze Galaxy

Taya has launched an 11-speed Galaxy chain suitable for both MTB and road bikes. The company's patented technology allows the chain to surpass ISO standards and extend its life. The chain features Taya's 360 degree riveting, DHT super hardening as well as "Deep plate chamfer" designs. A unique "Nano-Galaxy-Coating" bonds a special nano material to the chain plates giving the chain anti-scratch, wear resistant, and easy maintenance features.

+886-6-2703166

<https://tayachain.com/>



Taya Chain

Tolv-12s Ti-Black Gold

12-Speed chain

This is Taya's top 12-Speed chain for MTBs. The company claims its exclusive DHT (Diamond Hard Tech) self-lubricated hardness treatment applied to the pins strengthens the hardness to over HV1800, 30% harder than many high-end chains on the market. Taya also claim the "Patented "Sigma+" Quick-Link earns its durability in double by the special block design, and reusable gain."

+886-6-2703166

<https://tayachain.com/>

TRP

HD-E840-2

The all-new HD-e840 utilizes a completely new design to offer a brake engineered specifically for eMTB. Rotor thickness was expanded to 2.3mm – lowering heat buildup by 8% and reducing rotor deformation by 15%. The caliper utilizes an open top design for easy pad replacement when working with the added weight of an eMTB and also features TRP's World Cup-winning ceramic/steel hybrid pistons offering the ideal blend of lightweight heat management and smooth reliable actuation. The lever is equipped with an indexed Tool-Free Reach Adjust.

+886-47683999

www.trpcycling.com



Vertech

93-083-880SM

Made from 6061 forged aluminum with CNC processing, Vertech's 93-083-880SM is a motor housing for Shimano's E8000 weighing 650 grams.

www.verttech.com.cn



Unique

MPF Drive System

This mid-drive system was first introduced to the public in the year of 2003 with 24V motor, NiMH battery and complied with Japanese E-Bike regulations. Now, MPF Drive has released Version 6.0 with IP67 for various applications includes for city bike, trekking bike, commercial bike, road bike, mountain bike, off road bike, cargo bike, fat tire bike and even for water-bike. The 36V motor delivers 60 – 75 Nm torque and has a nominal power of 250W.



+886-6-2536766 ext.6808

Yancpro

Raiser

Raiser is a good solution for riders who enjoy riding in the mountains, and also like to commuting in the city. Equipped with 27.5"/2.1 tires and 300W assist. output, Raiser gives riders a proper riding experience all the time when pedaling it.




+886 7 821-2773
www.yancpro.com

Yaban

MK410RB

Designed for e-bikes, city bikes, fixed-gear, BMX and all single speed bicycles, Yaban's new patented MK410RB is solid bushing type single speed chain which the company claims has 10 times the chain life of normal chains and offers over 20,000 km service life without replacing. The wide inner plates construction offers an anti drop function and 1,200kgf high tensile strength. MK410RB com-



bines easy maintainance, great rust resistance, high durability and excellent cost performance. 

Deutschland / Polska Agents Wanted !!



MG-BABY

Elegaut



Megnesium Evolution



lightweight



+886975130829

SAOLA®



www.saolabike.com



chef@saolabike.com





**NEW
E-MTB**

MODEL:AKFM43

Type: E-BIKE/27.5" & 29er compatible
Size: 16"/18"/20"
Headset: 1 1/8"-1 1/2"(FSA NO.57)
Weave: UDM Carbon Weave
Dropout: E-THRU
Motor: FAZUA
Seat Post: KSSP06(30.9mm)



**NEW
E-ROAD**

MODEL:AKFM41

Type: E-BIKE/Road & Gravel compatible
Size: 52/55/58cm(C-T)
Headset: 1 1/8"-1 1/2"(FSA NO.42/ACB)
Weave: UDM Carbon Weave
Dropout: E-THRU
Motor: FAZUA
Seat Post: AKSP10(27.2mm)
Fork: Optional==>AKF074



**NEW
E-ROAD**

MODEL:AKFM40

Type: E-BIKE/Road & Gravel compatible
Size: 52/55/58cm(C-T)
Headset: 1 1/8"-1 1/2"(FSA NO.42/ACB)
Weave: UDM Carbon Weave
Dropout: E-THRU
Motor: FAZUA
Seat Post: AKSP10(27.2mm)
Fork: Optional==>AKF077



**NEW
E-ROAD**

MODEL:AKFM37

Type: E-BIKE/Road & Gravel compatible
Size: 52/55/58cm(C-T)
Headset: 1 1/8"-1 1/2"(FSA NO.42/ACB)
Weave: UDM Carbon Weave
Dropout: E-THRU
Motor: FAZUA
Seat Post: AKSP10(27.2mm)
Fork: Optional==>AKF074
Exclusivity in ITALY

WILD 8000

650B & 29"+650+ SHIMANO
E8000 E-SUSPENSION
FRAME

TRAVEL: 150MM REAR / 150MM FRONT
MATERIAL: AL6061
WEIGHT: 3.84 KG (Frame Only)
SIZE: S/M/L/XL



Cari-Flat KVA 0L

700C ROAD FRAME

MATERIAL: KVA Stainless (MS3 + MS1)
or CR-MO
WEIGHT: 1.8 KG
SIZE: 52CM



※ Thru Axle + Flat Mount

IBEX 650B WILD

650B BOOST SUSPENSION
FRAME

TRAVEL: 143MM REAR / 150MM FRONT
MATERIAL: AL6061
WEIGHT: 3.04 KG
SIZE: S/M/L/XL



E-GO-PLUS

650B+ PINION GEARBOX
HARDTAIL FRAME

MATERIAL: AL6061
WEIGHT: 1.8 KG
SIZE: M



SPIRIT LUG

700C ROAD FRAME

MATERIAL:
COLUMBUS SPIRIT/
CR-MO+LUG
WEIGHT: 1.86 KG
SIZE: 53 CM



QB-M650B

650B MTB FRAME

MATERIAL: AL6061
WEIGHT: 1.8 KG
SIZE: M





QUALITY

PRECISION

TECHNIQUE

FOR THE PAST 20 YEARS, HUANG WEI HAS BEEN AT THE FRONT OF LEADING-EDGE FRAME FABRICATION FOR SOME OF THE MOST WELL-KNOWN BRANDS IN THE BICYCLE INDUSTRY. UTILIZING EXPERIENCE, THE LATEST SCIENCE, AND ADVANCED MACHINERY, HW IS ABLE TO OFFER TOP-NOTCH PRODUCTS THAT ARE SECOND TO NONE.

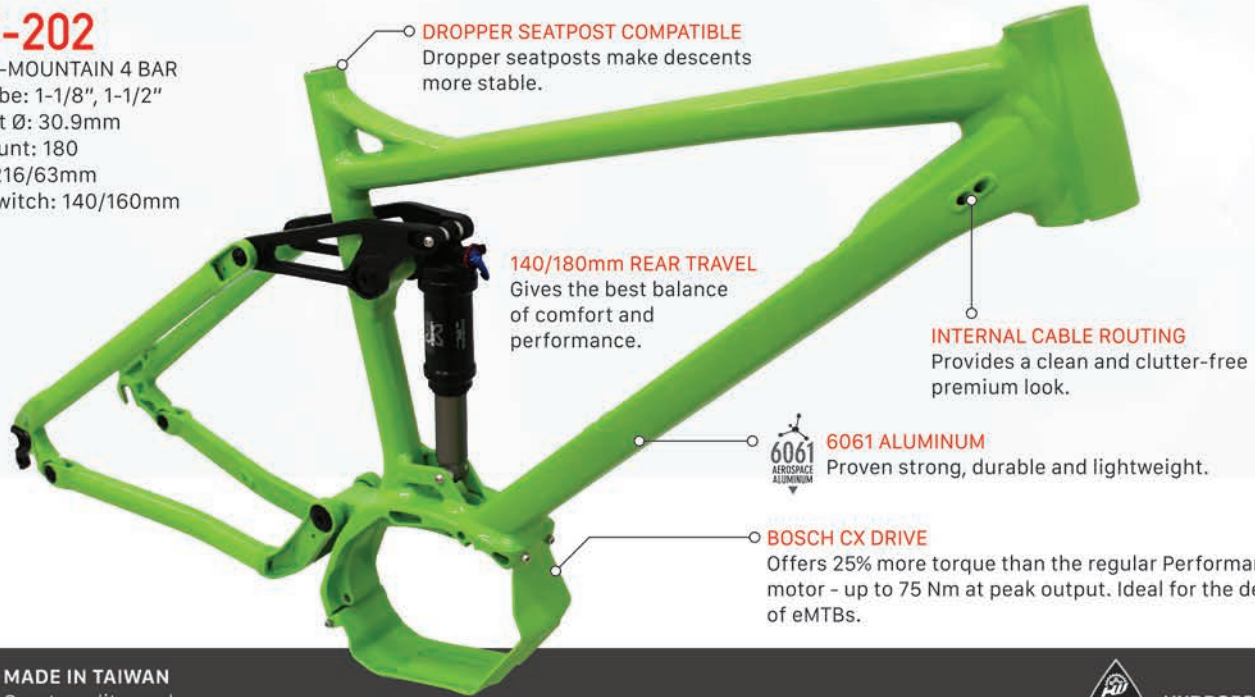
HUANG-WEI TECHNOLOGY ENTERPRISE IS ISO-9001 CERTIFIED

OUR TOTAL CUSTOMER SERVICE - FROM START TO FINISH:

FRAME INDUSTRIAL DESIGN | ENGINEERING AND EVALUATION | FABRICATION | QUALITY TESTS | GRAPHICS DESIGN | DECALS | PAINTING | PRODUCTION | SHIPPING | AFTER SALES SERVICES (WARRANTY / ISSUES)

AF7-202

27.5 ALL-MOUNTAIN 4 BAR
Head Tube: 1-1/8", 1-1/2"
Seatpost Ø: 30.9mm
Post Mount: 180
Shock: 216/63mm
Travel Switch: 140/160mm



DROPPER SEATPOST COMPATIBLE
Dropper seatposts make descents more stable.

140/180mm REAR TRAVEL
Gives the best balance of comfort and performance.

INTERNAL CABLE ROUTING
Provides a clean and clutter-free premium look.

6061 ALUMINUM
Proven strong, durable and lightweight.

BOSCH CX DRIVE
Offers 25% more torque than the regular Performance Line motor - up to 75 Nm at peak output. Ideal for the demands of eMTBs.



MADE IN TAIWAN
Great quality, and even better value.



HYDROFORMED TUBES

AF7-203

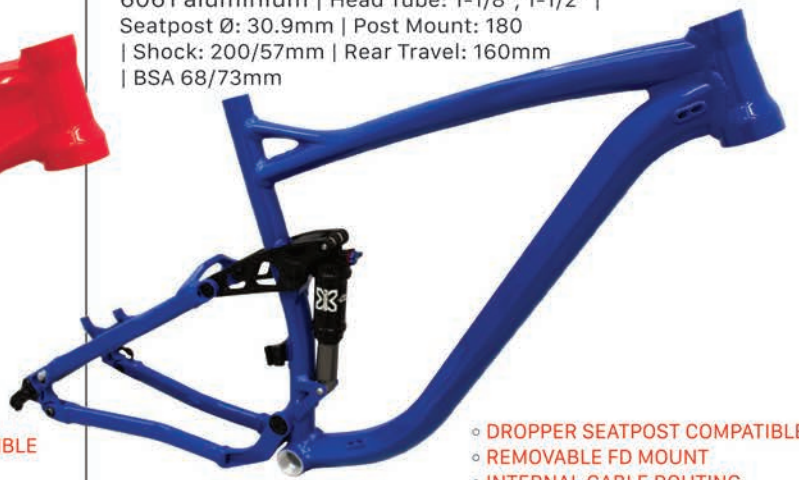
27.5 + ENDURO 4 BAR
6061 aluminium | Head Tube: 1-1/8", 1-1/2" |
Seatpost Ø: 30.9mm | Post Mount: 180 |
Shock: 200/57mm | Rear Travel: 140mm |
BSA 68/73mm



- DROPPER SEATPOST COMPATIBLE
- 29ER X 2.3" COMPATIBLE
- INTERNAL CABLE ROUTING

AF7-204

27.5 AM 4 BAR
6061 aluminium | Head Tube: 1-1/8", 1-1/2" |
Seatpost Ø: 30.9mm | Post Mount: 180
| Shock: 200/57mm | Rear Travel: 160mm
| BSA 68/73mm



- DROPPER SEATPOST COMPATIBLE
- REMOVABLE FD MOUNT
- INTERNAL CABLE ROUTING
- DA/DM HANGER COMPATIBLE

HUANG WEI TECHNOLOGY ENTERPRISE CO., LTD.

皇 瑋 科 技 企 業 有 限 公 司

No.8-1,Lane 101,Nanbei 8th Rd.,Da-an District Taichung City 439,Taiwan
Tel +886-4-26882543 | Fax+886-4-26889002 | huang.kuomiu@msa.hinet.net

WWW.HW-WELDING.COM.TW



HUANG WEI
QUALITY . PRECISION . TECHNIQUE

TITANIUM FRAME

Manufacturer In Taiwan



SHIMANO E8000
/ BOSCH GEN2



ORA ENGINEERING CO . LTD



No.288, Sanchong 2nd Rd., Houli Dist.,

Taichung City 421, Taiwan R.O.C.

Tel: +886-4-25586915

www.oraeng.com.tw

VERTECH

YOZU METAL (SHEN ZHEN) LTD.



www.vertech.com.cn

“BOUTIQUE PRODUCT,”

Vertech's customers have learned to expect the highest quality products from us. Our design, manufacturing and quality systems insure that we deliver on those expectations. From the smallest, simplest parts to larger, more complex assemblies, our philosophy is the same. Everything we make must meet our customer's highest standards for dimensional accuracy, material consistency, quality, finish, and on time delivery. In other words, What you want, when you want it.



友志五金車料 (深圳) 有限公司
深圳寶安區沙井鎮大王山第三工業區 11 號
No. 11 Da Wang San Third Industry Area, Sha Jing Town,
Bao An County, Shen zhen, China
TEL: 86-755-27225099
FAX: 86-755-27225607
E-mail: info@vertech.com.cn

友穎商通股份有限公司
42849, 台中市大雅區光復路 16-6 號
No16-6, Guangfu Rd., Daya Dist.,
Taichung City, 42849, Taiwan
TEL: 886-4-25665411
FAX: 886-4-25665872
E-mail: ad@u-logis.com.tw

友富五金車料 (越南) 責任有限公司
越南平陽省濱吉市安西鄉寶翠工業區 3B 號路 17-6 號
Lot 17-6, 3B Road, International Protrade Industrial Park, An
Tay Town, Ben Cat District, Binh Duong Province, Viet Nam
TEL: 84-6503585853
FAX: 84-6503585856
E-mail: info@vertech.com.vn

2018



PERFORMANCE SUSPENSION



Bicycle Fork



SeatPost



Bicycle Shock

DNM- INDUSTRIAL CO., LTD.

No.215 Chung Ping 9th St., Taiping Dist.,
Taichung City, Taiwan 41174

Tel +886 4 22706191
Fax +886 4 2270 8734
Mail dnm@dnmshock.com





JIUN YIH INDUSTRIAL CO.,LTD.

WWW.CWIFORK.COM.TW

JIUN YIH



**SPECIALIZED IN FORK
PRODUCTS**



JIUN YIH INDUSTRIAL CO.,LTD.

竣益工業股份有限公司
JIUN YIH INDUSTRIAL CO.,LTD

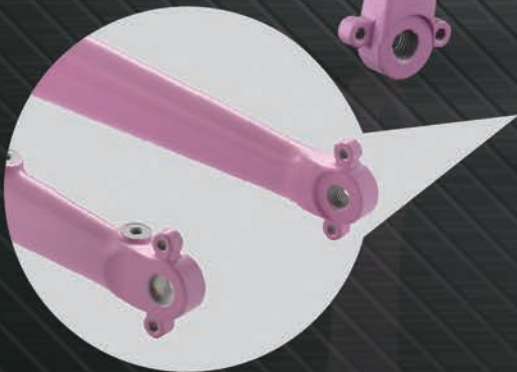
No.66, Waipu Rd., Waipu Dist., Taichung City 438 Taiwan

TEL: +886-4-26833696

FAX: +886-4-26833698

E-mail: cwi88@ms27.hinet.net





KAI CHENG INDUSTRIAL CO., LTD.

No.82-2,Pu Da Rd, Feng Jer Village, Pu Yen Hsiang, Chang Hua Hsien, Taiwan
TEL : 886-4-8814651.8825305 FAX : 886-4-8820612



www.kcfork.com



LiangFeng Co.Ltd

EUROBIKE SHOW

2018.July.08 - 2018.July.10

Booth No. : A4-430 Hall A4

Without Froging

Automated Production

Patent Processes

New Manufacturer Process

Product Liability Insurance

OS-E625D



ONE-PIECE DROPOUT DESIGN

Steerer tube: 1 1/8"-1 1/2"
Alloy(6061)

Blade:Ø50

Wheel size:29"

Use:Electric bike

Option:Pivot / Roller /
IS mount /
Post mount



OS-E600D



ONE-PIECE DROPOUT DESIGN

Steerer tube :1 1/8"
Alloy(6061)/

Blade:Ø50

Wheel size: 700c

Use:Trekking bike

Option:Pivot / Roller /
IS mount /
Post mount



OS-F642

Steerer tube : 1 1/8"- 1 1/2"
Alloy(6069)
Cr-Mo/Steel

Blade : Ø56

Wheel size : 700C

Use : Electric Bike

Dropout : Forged

Option : Pivot / Roller
IS mount /
Post mont



OS-E650F

Steerer tube : 1 1/8"
Alloy(6061)
Cr-Mo/Steel

Blade : Ø43

Wheel size : 20"

Use : Fording Bike

Dropout : Forged

Option : Flate mount



HOB-E625

Steerer tube : 1 1/8" Cr-Mo

Blade : Ø55

Wheel size : 26"

Use : Electric Bike

Dropout : Forged

Option : Pivot / Roller
IS mount /
Post mont



LiangFeng Zhao Feng

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

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

Tel : 886-4-26820629 Fax : 886-4-26820609

E-mail : lfmcl.chen@msa.hinet.net

昆山兆豐金屬制品有限公司
KUNSHAN ZHAOFENG METAL PRODUCTS CO., LTD.

地址: 江蘇省昆山市玉山鎮玉城北路118號

No.118, Yucheng North Rd., Yushan Town, Kunshan City Jiangsu

Tel : 86-512-57617989 Fax : 86-512-57617990

E-mail : kszf_888@163.com



深圳市毅鑫金属制品有限公司

Shenzhen Easing Metal Products Co.,Ltd.



地址：深圳市宝安区沙井南环路蚝三村上星工业区11栋
 Add: NO.11th Building,Shangxin Industry Zone, Hao shan Village, shajing Town,Baoan,Shenzhen, China
 Tel : +86 0755 27292755/27295551
 Fax : +86 0755 33879330
 Http: www.szeasing.net
 E-mail: easingforks@163.com / easingchina@163.com



MODEL Name: ES-024
Type:e-bike
Wheel Size: 700C*450mm
Material: CR-MO 4130
Feature: Conical head tube,lost wax casting ends and motor supporting pedeta,hidden cable design,fit for shimano motor
Weight:3.10KG/PCS
Drawing No:ES-16ES001M700C450



MODEL Name: ES-020
Type:Road frame
Wheel Size: 700C*530mm
Material: Reynolds 725/525/520 or CR-MO 4130
DB tube Optional lost wax casting lug
Feature:all lug brazing
Weight:2.15KG/PCS
Drawing No:ES-15ES009M700C530



MODEL Name: EF-3124-9
Wheel Size: 20"/24"/26"/700C*
Material: CR-MO
Leg Diameter: 24mm Oval-shap
Stem: 1"or 1-1/8" Steerer
Tyre clearance: 40mm
Brake type: Flat mount brake
 Crown and end are lost wax casting part and 12mm through axle



MODEL Name: EF-801
Wheel Size: 26"/700C*
Material: Aluminium
Leg Diameter: 34.9mm triangle shap
Ends: Alloy Forged ends
Stem: 750/45*30*28.6mm CR-MO
Tyre clearance:65mm
Brake:Post mount brake
Travel:35mm



MODEL Name: EF-2364D
Wheel Size: 20"/24"/26"
Material: Aluminium
Leg Diameter: Alloy 34.9mm Oval 38.1*31.8
Ends:Alloy Forged dropout 15mm through axle
Stem: 1-1/8" or 1.5" Steerer
Tyre clearance: 140mm
Brake: Post mount brake
 For Fat tyre



MODEL Name: EF-5069D
Wheel Size: 26"/700C*
Crown : Alloy Forged crown
Leg : Alloy 38.1mm triangle shap 48.2*20.6
Ends:Alloy Forged ends
Stem: 1-1/8" or 1.5" Steerer
Tyre clearance: 40mm
Brake Type:Flat mount brake



MODEL Name: EF-5070D
Wheel Size: 26"/700C*
Material: Aluminium(Oil pressure molding)
Ends:Alloy Forged ends
Stem:50/48*30*28.6mm Aluminium
Tyre clearance: 42mm
Brake: Flat mount brake



MODEL Name: EF-3124-8
Wheel Size: 20"/24"/26"/700C*
Material: CR-MO
Leg Diameter: 24mm Oval-shap
Stem: 1"or 1-1/8" Steerer
Tyre clearance: 50mm
Brake type: Flat mount brake
 Crown and ends are lost wax casting parts



MODEL Name: ES-547 HLO AIR
Wheel Size :29"
Features: Air Spring Pressure System Hydraulic speed Lock-Out
Crown: Alloy Forged Crown
Steerer Tube: AL 1-1/8"or Tapper Steerer
Outer Leg: One-piece Magnesium
Stanchions :32mm Hard-Anodization Alloy tube
Crown Pitch:132mm
Brake Type:Disc
Travel:120mm
Weight:1.75kg



MODEL Name: ES-456 HLO
Wheel Size :29"
Features: Coil spring Adjustable Proload Hydraulic speed Lock-Out
Crown: Alloy Forged Crown
Steerer Tube: 13A Steerer
Outer Leg: One-piece Alloy
Stanchions:32mm Hi-ton tube
Crown Pitch: 132mm
Brake Type:Disc
Travel:120mm
Weight: 2.45kg



MODEL Name: ES-547 HRLO AIR
Wheel Size: 29"
Features: Air Spring Pressure System Hydraulic Remote speed Lock-Out
Crown: Alloy Forged Crown
Steerer Tube: AL 1-1/8"or Tapper Steer
Outer Leg: One-piece Magnesium Stanchions 32mm Hard-Anodization Alloy tube
Crown Pitch: 132mm
Brake Type :Disc
Travel: 120mm
Weight: 1.8kg



GTMRK

深圳市笠智鑫科技有限公司

Shenzhen Lizhixin Science and Technology co.,ltd

地址：深圳市光明新区公明街道办上村莲塘上园工业园D栋5楼

Add:Unit B 5th floor 2nd building Shangyuan Industrial Park Shang cunVillage Gongming Town Guangming New DistrictShenzhen City

Tel:86-0755-27407050 Fax:86-0755-27409406

E-mail:zhi185cz@vip163.com <http://www.gtmrk.cn>



**680-27.5
Boost series**



680 series



320 series

INNOVATION IS OUR MAIN POWER FOR CONTINUOUS BREAKTHROUGH

DESIGN AND PROCESS ON ALUMINUM TUBE



1. Diameter ≤ 150 (mm) butted machine
 2. Diameter ≤ 150 (mm) concave head machine
 3. Diameter ≤ 130 (mm) taper machine
 4. High-speed CNC machine center for mould
- The above machines especially for E-bike downtube
built battery



HYDRO-FORMING
MECHANIC-FORMING
ALUMINUM TUBING FORMING

九川實業股份有限公司
台中市大雅區神林路一段193-1號
TEL:886-4-25676851 FAX:886-4-25682995
E-mail: aforge@aforge.com.tw
aforge@ms29.hinet.net

天成車料(深圳)有限公司
九川金屬製品(深圳)有限公司
深圳市觀瀾街道獅徑社區洗屋村工業一路6號
TEL:86-755-28012794/6 FAX:86-755-28012795
E-mail: aforge@vip.163.com

A-FORGE ENTERPRISE CO., LTD
NO. 193-1, SECTION 1, SHENLIN ROAD, DAYA DISTRICT
TAICHUNG CITY, 428

TIANCHEN BICYCLE-PARTS(SHENZHEN) CO., LTD
A-FORMING METAL PRODUCTS(SHEN ZHEN) CO., LTD
NO.6 OF 1ST INDUSTRY RD, XIANWU GROUP SHIJING VILLAGE,
GUANLAN TOWN, BAO AN COUNTRY, SHENZHEN, CHINA

The Leader for Quality, Service, & Leadtimes



HUAHSINES



**TUBING
PANDA
TAIWAN**

EUROBIKE : A4-414

華承工業股份有限公司
華承金屬製品(深圳)有限公司

<http://www.huahsines.com.tw/>

HUA HSINES MANUFACTURES COMPANY
.SHENZHEN.

TEL : 0755 - 27225278 . 27225378

FAX : 0755 - 27225778

E-Mail : huahsine@vip.163.com



FarNear Fat Skinny Teeth Q-rings

- Oval shape . Fat/Skinny design optimizes chain retention
- BCD: 96mm (asymmetric) & 104mm (symmetric)
- Fully CNC. Made from AL7075
- Teeth options: 32/34/36/38 T



Q104T32



32T104mm



Q96T36



36T96mm

Far Near has a variety of thru axles. All are precise machined from high strength 7075 T6 aluminum. Light-weight. Easy mounting, with a 6mm Hex Key for a smooth closing.



FN-RS15B



FN-SCT12B

FN-RD15



Available sizes of the Thru Axle include:

- Front
- FN-RS15 M15 x P1.5, 100 / 110mm
 - FN-FX15 M14 x P1.5, 100 / 110mm
 - FN-RD15 M15 x P1.5, 100mm (For Road)
 - FN-RS12 M12 x P1.5, 100mm (For Road)
- Rear
- FN-SCT12 M12 x P1.0, 142 / 148mm
 - FN-ET12 M12 x P1.5, 142 / 148mm
 - FN-MX12 M12 x P1.75, 142 / 148mm



TAIPEI CYCLE
d&i awards 2017
Gold
by **if**



www.FULCHEE.com



BICYCLE THROUGH ANGLE



Product ▶



We meet Just What You Need

Bike Bearings are the soul for reaching outstanding performances. Combining technologies and high precision, HOPE aims to meet exactly what customers' needs with perfect quality.

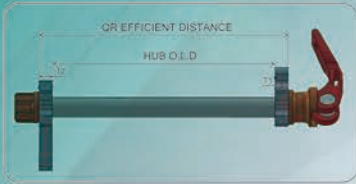


HOPE Industrial Corporation

ShunXin
舜 新

Shun XIN CO., LTD

No.30, Ln. 530, Guangxing Rd., Taiping Dist., Taichung City 411, Taiwan
Tel:886-4-22711688 Fax: 886-4-22711677 E-mail: mounkuang@sxmetal.com
Executive: Mr.Chang, Ms.Hung www.sxmetal.com



US Patented : 8,573,879 B2
Taiwan Patent : M 425185
360° Fine-tuning Quick Release
Rotating adjustment mechanism
Adjustable at any angle

**Auto Invisible Handle
Pat Pending**



**Rotating Adjustment
Pat Patent**



Allen Key Hollow Axle



Annick Roetynck Q&A

Annick Roetynck is the manager of the European arm of the Light Electric Vehicle Association (LEVA), an organization set up to represent the strategic interests of light electric vehicle retailers, dealers, distributors, manufacturers and suppliers, and to promote the development, sale, and use of LEVs worldwide. She also assists the Collective of European Importers of Electric Bicycles in their stand against the anti-dumping proceeding concerning electric bicycles from China.

Annick, took some time out of her schedule to answer questions for Wheel Giant, and to further explain the viewpoint of the Collective.



Text & Photos: Editorial Dept.

WG: What is your point of view regarding the dumping complaint against Chinese e-bikes?

AR: So far, the Collective and LEVA-EU have found no evidence what so ever of dumping, whilst from the results of the Commission's verification visits it is very clear that there is no injury or threat of injury to the European industry. We believe that this complaint has nothing to do with dumping but that it is rather a case of abusing a trade defence instrument for protectionist reasons. We don't know for sure who has filed the complaint be-

cause EBMA has asked to keep the complainants confidential. As we understand, it concerns only three large companies. This is a very unfair case because it is causing injury to hundreds of small and medium sized enterprises (SMEs) in Europe as well as many companies in China. They are suffering injury before the Commission has completed the proceedings and issued a verdict. The Registration Regulation mentioning 189% has caused immeasurable damage, chaos and fear. This should never have happened because the Commission

already had valid information from the verification visits. So, it is utterly unfair and unacceptable for the Commission to just copy that number of 189% from the complaint.

WG: What are your expectations about the future development of the complaint?

AR: The Collective and LEVA-EU will fight it as hard as we can until the very end. If duties are imposed, this will be catastrophic for the whole business. It will kill off many SMEs in Europe. Competition will be reduced, prices

increased and the consumer will be deterred from buying electric bicycles. Also innovation will come to a standstill which will have further detrimental effects on the market.

WG: What has been the response from Chinese manufacturers to the complaint?

AR: The defense of the Chinese manufacturers has been taken up by the Chinese Chamber of Commerce for the Export of Metal and Electronic Products (CCCME). They have appointed a specialist law firm in Brussels, who has submitted several very well argued position papers to the Commission and who has organized a hearing for CCCME with the Commission. Also, thanks to LEVA-EU's Director of China Affairs, Dennis Hu - 胡轶铁, we have established very close and intense contacts with CCCME.

Unfortunately, many companies both in China and Europe believe that they are safe from the dumping case having moved their assembly out of China. It is essential for these companies to understand that they are not safe at all. If anti-dumping happens, anti-circumvention on components will most certainly follow. This will cause even more damage to the sector because it will be extremely difficult, if not impossible to meet the 60-40 rule. There is by no means sufficient production of electric bicycle

components in Europe to supply the demand that will arise from anti-circumvention. That is why we intend to fight until the end and we still urge these companies to join our efforts.

WG: How have EU importers been affected so far by import registration?

AR: The impacts from the ongoing proceedings are disastrous. First, there is the chaos and fear caused by this sword of Damocles. It is absolutely unacceptable for the Commission to have published this 189% figure. This was simply copied from the complaint, even though the Commission had already obtained relevant information from the verification visits, which allowed them to calculate a realistic and reasonable percentage. As explained, all companies had to turn their business planning upside down. Many of them still have containers on the water. Should these get hit by retroactive collection, these companies will simply go bankrupt. Some companies have moved assembly operations out of China, but when they move to Europe, they get hit by national customs who are not well informed about the anti-circumvention duties on bicycle components. These duties do not apply to bicycle components intended for the assembly of electric bicycles. Neverthe-

less, several companies have been forced to pay duties after all or are struggling to convince customs of the exemption. Also, it is extremely difficult to obtain correct information about rules for SKD and CKD imports into Europe.

WG: What is the schedule for future events in this case?

AR: The first important date is 20th July, which is the deadline for the European Commission to decide on provisional duties. Should such duties be imposed, then the importers will not have to pay them straight away. They are allowed to present a bank guarantee. Unfortunately, should the Commission decide to impose a high rate of provisional duties, no importer will find his bank prepared to produce a guarantee. Also, their forwarders will seek to cover themselves against these potential duties.

We wish to stress though that imposition of provisional duties does not mean that retroactive collection will happen. There will only be certainty about that at the very end of the case. The earliest the Commission could decide on the definitive duties is end of October and the very latest January next year. We expect it to be January rather than October. In the meantime, the Collective will continue to fight as hard as it can.

WG: LEVA-EU is organizing an information meeting on the dumping case at Eurobike. What are the main reasons for this?

AR: The first and most important reason for this meeting is to make it clear that, until the Commission decides to impose definitive anti-dumping duties, this case is not lost yet. Many companies appear to believe that this case is lost and that definitive duties are inevitable. We will explain in this meeting that this is not the case and we will provide further details on how the Collective intends to fight this case until the end.

Secondly, we want to inform the companies on the ongoing proceeding. It appears that many companies do not exactly know what is going on, what the risks for their company are and where they can obtain correct information. This makes it difficult for them to plan their business for the next couple of months. The Collective is acknowledged by the European Commission as an official stakeholder. As a result, we always have first-hand information. When the Commission takes a decision, we are immediately notified and we are expected to submit our comments. Furthermore, the Collective is working with a highly specialized law firm, Squire Patton Boggs. Our lawyers have a very thorough knowledge of anti-dumping legislation and are therefore in a

position to provide detailed and correct information.

WG: What is your opinion on the some of the rumors surrounding the dumping case?

AR: We are amazed at the amount of rumors, fake news and alternative facts that are circulating. We are even more amazed at the fact that some companies seem to be basing business decisions on rumours, fake news and alternative facts. With this meeting, we want to make it clear that the Collective and LEVA-EU are a reliable source, where companies can obtain correct information.

WG: What key point would you like to present to the e-bike industry?

AR:

1. From the evidence presented so far, we cannot see any dumping. From the Commission's verification visits there appears no injury to the EU industry. We believe this is not a case about dumping but about

abusing the trade defense instrument for the protection of just a few companies.

2. The case is NOT LOST. It will be lost if nobody fights it. The harder we fight, the more chance we have of winning.
3. Companies who have moved assembly out of China are not safe. Perhaps they may escape potential anti-dumping duties, but they will not escape anti-circumvention duties.
4. Companies should ensure they are well informed and not act upon rumors, fake news and alternative facts. That is why it is important for them to attend the information meeting at Eurobike.
5. We are stepping up our efforts to make European politicians aware of what is going on. In the last couple of weeks, we have had numerous meetings with the European institutions to tell our side of the story. However, at the information meeting, we will reveal which additional means of defense we have placed in position. ☀

LEVA-EU has organized an information meeting on the dumping case at Eurobike. The meeting will be held on Tuesday, 10 July for 12:00 – 14:30 in the Liechtenstein Room (Conference Center West), and is open to everybody. It is for free for LEVA-EU and Collective members, whilst non-members have to pay an entry fee.

Participants must register in advance at: <https://www.eventbrite.co.uk/e/leva-eu-information-meeting-dumping-case-e-bikes-china-tickets-46608013824>.

Jimmy Yang takes the helm as Chairman of Kenda

Text & Photo: Editorial Dept.

At its June 11th Board meeting held after shareholders meeting, Kenda Rubber announced that President Y. M. Yang would be made Group Chairman, his brother Jimmy Yang would be promoted to Chairman; General Consultant, Hongder Chang would serve as Vice Chairman now, and Assistant President Samuel Chen will be promoted as President during next board meeting. Jimmy appreciated Mr. Ying Ming Yang for his great contribution to Kenda. Under his leadership, Kenda has established foundation for good revenue growth and international brand recognition.

In the wake of his promotion to chairman, Jimmy Yang will strive to uphold the principles of “passing the torch, innovation, and change,” which he will take as a corporate business philosophy. He will require the management team to work “Smart” instead of merely working “Hard”, because having good efficiency is more important. In the face of new times and new competition, Yang is well aware that the company must embrace innovation in both its products and business operations. As a result,



▲ With regards to personnel changes, Kenda's new Chairman, Jimmy Yang will uphold the concept of "inheritance, innovation and change" as a business philosophy.

Yang is determined to develop innovative new products and maintain a high level of investment in R&D. Yang notes that Kenda has established a production facility and R&D center in Ohio; this facility has increased its R&D personnel from barely more than a dozen to 41 since it opened three years ago, and it will continue to expand in the future. Kenda has also purchased a new building locally for use as a R&D center tasked with designing the newest auto tires.

Apart from continuing to

cultivate the Taiwan market and intensify R&D, Kenda also plans to move its R&D headquarters to a newly-purchased building on a 20-hectare site in the Dajiang Industrial Park, which is located in Citong Township in Taiwan's Yunlin County. In addition, Kenda also plans to establish a European R&D center in Hamburg Germany. This R&D center will bear responsibility for development of European products, while its Kunshan R&D center will take charge of product development for the Chinese market. 

Giant to Establish Hungary Factory

After 32 years of operation in Europe, the Giant Group announces it will expand its footprint there by establishing a new production facility in the city of Gyöngyös, which is located in northern Hungary. Giant Group Chairperson Bonnie Tu, CEO Young Liu and Péter Szijjártó, Minister of Foreign Affairs and Trade, jointly announce the investment in the morning of July 4th.

Text & Photos: Editorial Dept.

In the face of the trade barriers established by the European Union, in order to establish another beachhead in the EU market, boost service quality and shorten delivery times, as well as to take advantage of the EU's investment incentives, the Giant Group has decided to invest €15 million in a new plant in Gyöngyös, Hungary.

Establishing a second European plant

“With the ever-changing global landscape, having a production facility located close to the market, that can be quick to respond to market demands, is an inevitable trend in the modern business world,” said Ms. Tu. “Hungary’s ideal geographical location within central Europe and its well-established transportation system will enable Giant to distribute



▲ Giant CEO, Young Liu is optimistic about setting up the factory in Hungary.

our products to Eastern Europe as well as to mainland Europe. This is the key factor in choosing Hungary as the base for our second production facility in Europe”.

Giant’s expansion in Europe further shows its long-term commitment and dedication to the European market. Establishing a production facility in Europe will also help reduce

products lead time and logistics costs, improving Giant's competitiveness and increasing Giant's market shares.

The new Giant Hungary plant is around 228,000 square meters. The first production facility is expected to be completed and begin production in the second half of 2019. Initial production capacity is 300,000 units and will focus on core European bicycle and E-bike models.

The city of Gyöngyös is located in northern Hungary, about 80km from Budapest. It has access to various road network such as the M3 motorway, European route E71 and E3. Gyöngyös is formerly a mining town with excellent industrial base, and has recently become an important wine supplier to East and Central Europe.

Development of Double E

E-bikes sales are flourishing in global markets, and e-bikes have become a very hotly-contested market for the bicycle industry. According to CEO Liu, the 2 E (Double E) strategy he introduced some time ago emphasizes the incorporation of electronics and electrics in the company's products. Giant's China plant produces 300,000 e-bikes an-



▲ According to CEO Liu, the 2 E (Double E) strategy he introduced some time ago emphasizes the incorporation of electronics and electrics in the company's products.

nually, and its Taiwan's plant has set a production target of 100,000 e-bikes for this year. To enhance after-sales service and establish confidence in its products among consumers and distributors, Giant has also established a European e-bike service center in the Netherlands.

Performance during the first quarter

The Giant Group had consolidated revenue of NT\$14.0 billion during the first quarter of 2018, which represented growth of 3.1% compared with the same period of 2017. However, the

appreciation of the Chinese yuan affecting the gross profit ratio of OEM sales, and sales in China remained flat. Pre-tax net profit was NT\$577 million for the quarter, which was a drop of 17% compared with last year, and net profit after tax of NT\$258 similarly fell by 50%. This drop was chiefly attributable to the fact that Taiwan hiked the income tax rate from 17% to 20%, and the group's income tax reserve was increased to NT\$147 million. After eliminating the effect of the increased income tax, net profit after tax fell by only 22%. EPS after tax was NT\$0.69 during the first quarter of the year. ☼

CBA Chairman Ma Zhongchao Talks about China's Bicycle Exports

Text: Daphne Chen & Photo: Editorial Dept.

Thanks to the Chinese government's "One Belt and One Road" initiative, Chinese bicycle companies have been steadily expanding their international markets during the last few years. In 2017, Chinese bicycles and e-bikes were exported to more than 190 countries and areas worldwide, and exports are continuing to grow, especially to Central Asian, Western Asian, Southeast Asian, Southern Asian, and even European countries along the route of the One Belt and One Road.

A great leap forward in e-bike exports

China produced 88.3 million bicycles in 2017, which represented growth of 10.3% compared with 2016. Chinese companies produced 30.97 million e-bikes during the year, which was a minor increase of 0.55%. China exported a total of 56.4 million bicycles, which represented a 2% drop. The value of China's exports grew by 0.5% to US\$3.11 billion, however, and the average unit price of exported bicycles also grew by 2.6%, to US\$55.1. China exported a total of 7.30 million e-bikes, which represented a blis-



▲ China Bicycle Association Chairman, Ma Zhongchao.

tering growth of 393% compared with the same period of the previous year. China's e-bike exports were valued at a total of US\$1.44 billion, which was up by 139.5% compared with previous year. The average unit price of exported e-bikes approached US\$200. China exported 64% of its bicycle output during 2017, and its biggest export markets were North America and Asia, which together accounted for more than 70% of bicycle exports. In contrast, Asia and Europe accounted for the largest shares of e-bike exports.

China's bicycle exports to such One Belt and One Road countries as Indonesia, the Philip-

pinas, Malaysia, Russia, and Iran (1.38 million units) has remained steadily over 1 million units, and exports to Russia, Iran, and Malaysia have grown by double digits since 2016. Vietnam, the Philippines, Thailand, the Netherlands, Belgium, and Italy are the leading export markets for Chinese e-bikes, and e-bike exports to Poland, Romania, and Czech Republic also grew significantly last year.

According to statistics for January to September of last year, Europe imported a total of 763,665 250w/25km/h e-bikes, of which 550,000 were imported from China (72%). This situation

led to the EU embarking on an anti-dumping survey against China. According to Chairman Ma, the Chinese e-bike industry is absolutely not trying to enter the European market through dumping e-bikes, and instead wants to find favor with the European market through its component expertise and competitive advantages. As a result, European anti-dumping measures are not in accord with the principle of fair trade.

Creating a manufacturing superpower

China wants to transform itself from a major manufacturer

to a manufacturing superpower. As a result, China is actively pursuing innovation, vigorous transformation, green development, cooperation, shared development, and complementary strengths. Apart from developing more high-quality products, actively developing innovative business models, and seizing the new opportunities brought by Internet+, China is also expanding its international influence, and embracing collaboration and cross-border partnerships. In the face of tough challenges in fickle markets, Chairman Ma mentioned how the “three transformations” and “two improvements” are stimulating the

bicycle industry’s development. The “three transformations” refer to leveling, use of the Internet and steady improvement of quality, and the “two improvements” refer to the industry’s drive to increase the proportion of exported bicycles with a value of over US\$200 and to expand the number of people riding and enjoying bicycles. As China implements a national standard, Chinese e-bikes are becoming lighter, using lithium ion batteries, adding smart functions, and growing more fashionable, and e-bike makers are actively expanding their exports. 🌀

Liu Suwen Takes Charge as New CBA Chairman

On June 25, 2018, the China Bicycle Association (CBA) held its 9th member representative convention in Hangzhou, and 211 member representatives attended. Liu Suwen was elected 9th chairman of the CBA, and outgoing chairman Ma Zhongchao was made honorary CBA chairman.

Liu Suwen has participated in past efforts to reform the CBA, and has served as secretary-general and deputy chairman of the CBA. According to Chairman Liu, socialism with Chinese characteristics is currently entering a new age, and China’s bicycle

industry is also entering a new period of history. Chairman Liu also proposed the following five new strategies for the industry’s development: (1) Persistent reliance on innovation to strengthen the industry, and intensive efforts to make breakthroughs in core technologies; (2) continued establishment of standards as a basis for the industry, and unrelenting strengthening of quality standards; (3) continued use of the Internet to enrich the industry, and acceleration of an in-depth embrace of the Internet; (4) persistent entrepreneurship overseas, and increased

Text & Photo: Editorial Dept.



▲ New CBA Chairman, Liu Suwen.

pursuit of cooperation; and (5) reliance on human resources to renew the industry, and promotion of an all-round manpower cultivation strategy. 🌀

27.5"



G707	G904	G907	G804	G808	G812
27.5X1.5 26X1.5	27.5X1.95 26X1.75 700X38C	27.5X1.95 26X1.95	27.5X2.1 26X1.95 29X2.25 26X2.1	27.5X2.25 26X1.95	27.5X2.25 27.5X3.0 29X2.25



ROAD			BMX						
G501	G502	G601	G605	G607	G633	603	604	617	
20X1 700X20C 20X1 1/8 700X25C 20X1.35 700X28C	700X23C 700X25C 700X28C	20X1.75	16X1.75 20X1.75	20X1.95 20X2.25	20X2.4	16X2.2 20X2.2 18X2.2 20X2.35	16X2.3 20X2.3 18X2.3 22X2.3	20X2.25 700X32C	



					FAT BIKE	MTB		
G803	G806S	G903	G906	G813	G810	G801	G802	G807
121/2X2 1/4 16X2.125 20X2.125	20X2.25	16X1.75 20X1.75	121/2X2 1/4	12X2.5	26X4.0	16X1.75 24X1.95 26X1.95	16X1.95 24X1.75 20X1.75 24X2.1 20X1.95 26X1.75 20X2.125 26X2.1	26X2.35



CITY/TREKKING						E-BIKE		
G701	G708	G805	G901	G902	G101	G102	G103	
12X2.0 24X1.5 14X1.5 24X1.95 14X2.0 26X1.5 16X1.5 26X1.75 16X1.95 26X1.95 16X2.0 700X32C 18X1.25 700X35C 18X2.0 700X38C 20X1.35 700X42C 20X1.5 700X45C 20X1.95	700X35C	26X1.75	121/2X1.75X2 1/4 16X1.75 24X1.75 26X1.75	24X1 3/8 26X1 3/8	16X2.125 20X1.95 20X2.125 24X1.95	16X3	14X2.5 16X2.5 16X3 18X2.125 18X2.5 22X1.95	



WWW.DURO.COM.TW



JULY /
Eurobike 2018 / 8-10
FRIEDRICHSHAFEN, GERMANY
Booth No.A5-304



DURO

Manufacturer of Tires & Tubes

HFR
HWA FONG RUBBER

HWA FONG RUBBER Ind. Co., Ltd.

More difficult road more can overcome



ISO 9001 (E4)

FORTUNE

TIRES & TUBES

MITROC FORTUNE CO., LTD.

E-MAIL: mitroc@ms4.hinet.net / E-MAIL: mitroc@hcm.vnn.vn



NEXXO
NEW TECH AIRLESS TIRE

RIDE
UNIQUE

E-BIKE READY

2018
Eurobike Show

Booth.
A4-408

www.nexotire.com



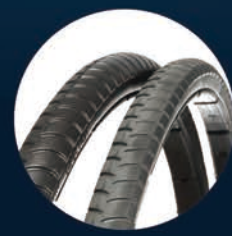
**PUNCTURE
PROOF**

Burst-proof
Inflation-free



SAFE

Exclusive
patented
safety device



DURATION

Over 5,000 KM

E-Bike

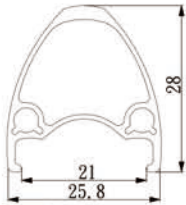
Aluminium-Magnesium alloy



BM40

Pin joint

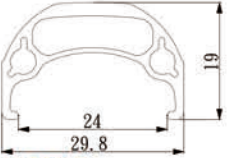
Size: 29"/27.5"(650B)/
24"/20"



XD28

Pin joint

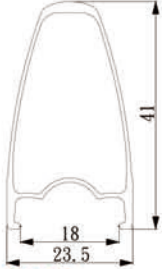
Size: 29"/27.5"(650B)/24"
for tubeless ready



BM30

Pin joint

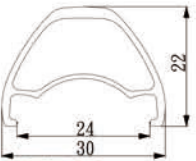
Size: 29"/27.5"(650B)/
24"/20"



XRD

Weld joint

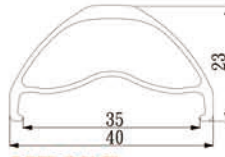
Size: 700c
for tubeless ready



GTD30

Sleeved / Weld joint

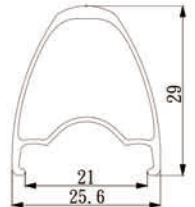
Size: 29"/27.5"(650B)/24"
for tubeless ready



MD35G

Sleeved joint

Size: 29" - 450g
27.5" - 420g



RD29G

Sleeved joint

Size: 700C - 400g

ASU

金特工業有限公司

GIN TER INDUSTRY CO., LTD.

www.rim-factory.com

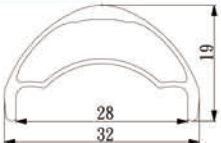
ADD: 1, Lane 426, Sec. 3, jinma Rd.
Changhua, Taiwan.

E-mail: asucycle@gmail.com

TEL: +886-4-7281896

FAX: +886-4-7281796

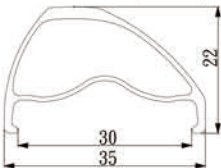
MTB for tubeless ready



MB3.2h

Sleeved joint

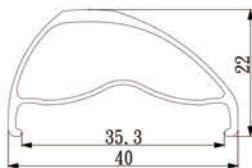
Size: 29"/27.5"(650B)



OCR3.5d

Sleeved joint

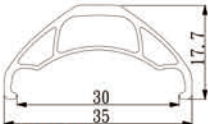
Size: 29"/27.5"(650B)



OCR4.0d

Sleeved joint

Size: 29"/27.5"(650B)



MB3.5

Sleeved joint

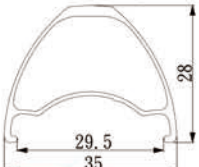
Size: 29"/27.5"(650B)



MB4.0

Sleeved joint

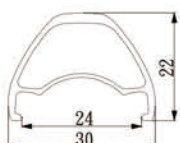
Size: 29"/27.5"(650B)



GTD35

Sleeved / Weld joint

Size: 29"/27.5"(650B)

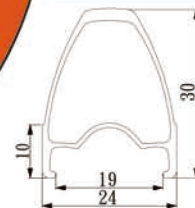


GTD30

Sleeved / Weld joint

Size: 29"/27.5"(650B)

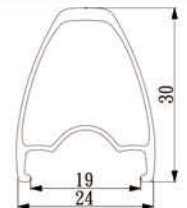
ROAD for tubeless ready



RV30

Sleeved joint

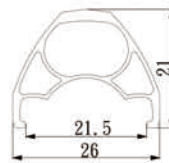
Size: 700C/650C



RD30

Sleeved joint

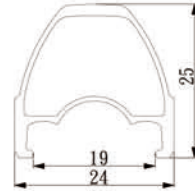
Size: 700C/650C



X45

Sleeved joint

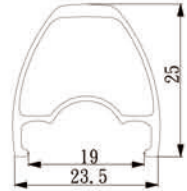
Size: 700C/650B



GTM25

Sleeved joint

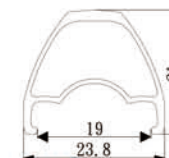
Size: 700C/650C



GTD25

Sleeved joint

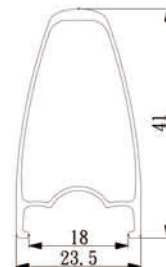
Size: 700C/650C



X35

Sleeved / Weld joint

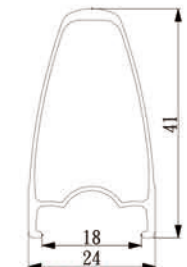
Size: 700C /650B



XRD

Weld joint

Size: 700C



XRV

Weld joint

Size: 700C

E-BIKE HUBS

211F FONT HUB

Weight : 150g
Hole Count : 28, 32
Axle System : 15M * 110mm

211R-IRON REAR HUB

Weight : 405g
Hole Count : 28, 32, 36
Axle System : 12M * 148mm



Freehub Body

Material : Steel
Weight : 153.8g
For Shimano 10s / 11s



Axle

Material : Steel
Weight : 86g
Size : 12M * 148mm



6 Pawls System

Taiwan - M425782
China - ZL 2011 2 04061190
Germany - Nr. 20 2011 051 875.2
USA - US 8,443,951 B1

Freehub Body
THE SOUL OF THE BIKE

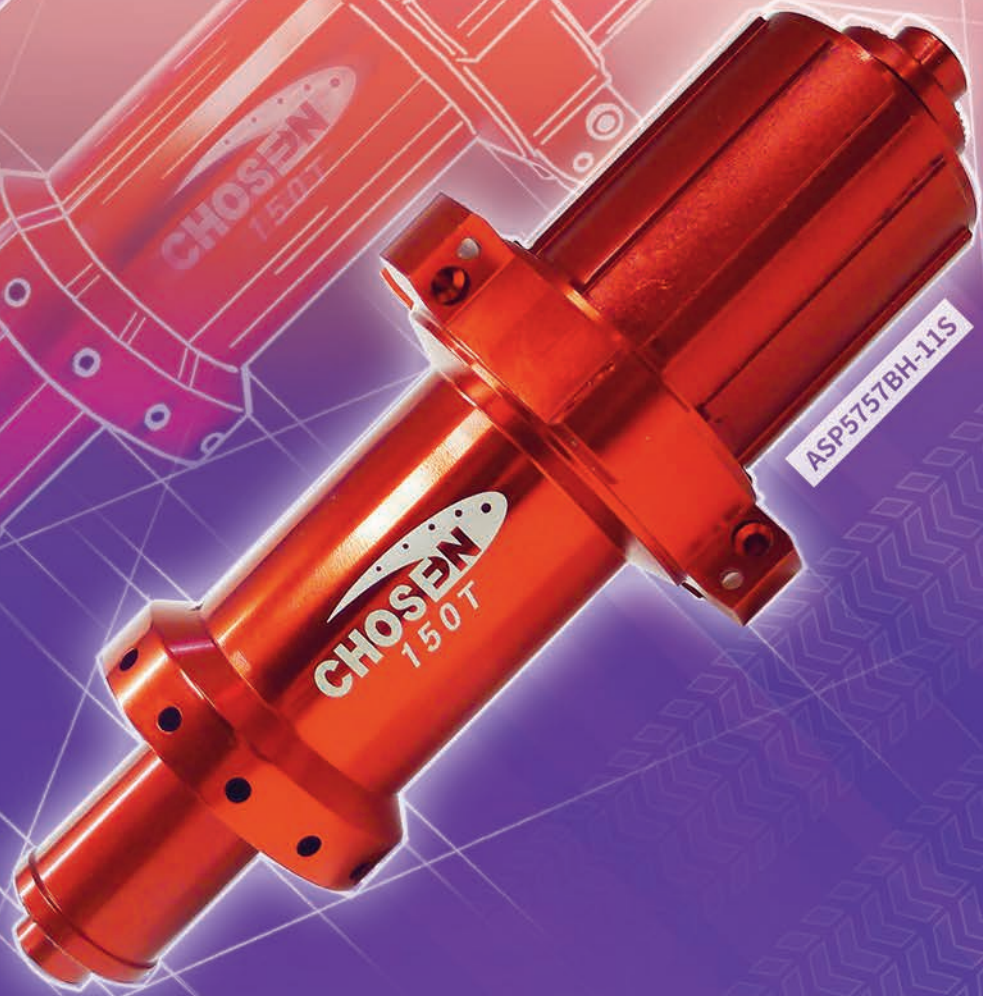
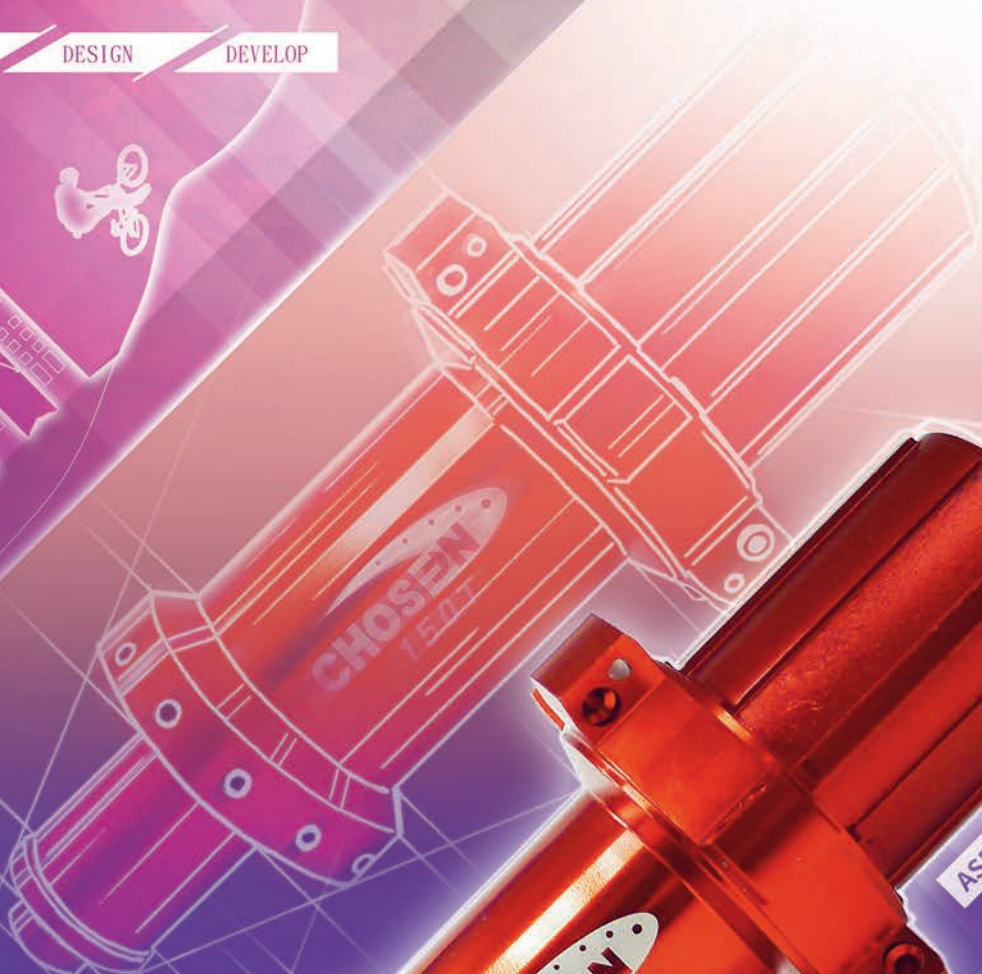
www.bitexhubs.com
min@bitexhubs.com



DEFINE

DESIGN

DEVELOP



ASP5757BH-11S

EPIC STAGE

打造潮流舞台

www.chosenhubs.com

chosen.twn@msa.hinet.net

TEL +886-4-7588-777

+886-4-7588-889

CHOSEN
CHOSEN CO., LTD.



Yu Hub Industrial Co., Ltd

No. 17-17, Lun Tzy Jaio Rd., Ding Juang,
Shi Hwu Chang Hua, 51448, Taiwan
TEL: +886-4-8811738~9
+886-4-8828716~7
FAX: +886-4-8812386
Email: Info@wheelmate.com.tw

DC-R33

New rear 108 engagements

DD-F01

Double front disc for E-MTB

www.yuhub.com.tw



NAVIGATE

Shenzhen Magnesium Navigate Alloy Technology CO., Ltd.
Foshan Magood Bicycle parts CO., Ltd.



29"MH-X53



MH-X31-700C



26"MH-X39



24"MH-X54



24"MH-X45



24"MH-X41



26"MH-X25



26"MH-X26



MH-X19-700C

Foshan Magood Bicycle parts CO., Ltd.(FACTORY)

Add: Yonghe ping tang industrial park, Guanyao area, Shishan town, Nanhai district, Foshan city, Guangdong province, China.
Tel: 0757- 85883489
Fax: 0757-85883496
Http://magood.en.alibaba.com
E-mai: shenzhennavigate@vip.163.com



Shenzhen Magnesium Navigate Alloy Technology CO., Ltd.(R&D Center)

Add: Room 201, Building 2, Unit 1, New town zone, Heshuiko First Industrial, Gongming town, Guangming district, ShenZhen city, China.
Tel: 0755-29890619
Fax: 0755-29890237
Http://shenzhenmeihang.1688.com





Influence the influencers

Bicycle Retailer and Industry News reaches the most engaged and influential people in the bicycle industry. With a print edition reaching 5,000+ independent bicycle dealers across North America 18 times a year, a website attracting 90k+ unique visits a month with a fanatical audience consuming the majority of sessions, and email newsletters with an open rate 2.4x the industry average, we reach influencers through every channel.

www.bicycleretailer.com/advertise

Bicycle Retailer
Published by the NBDIA AND INDUSTRY NEWS



CONSUMERS SHOW **DYNAMIC SHOW**
INTERNATIONAL STANDARDS **FAST GROWING MARKET**
INTERNATIONAL ATHLETES PERFORMANCE



FEB 1-2-3
2019



▲KTM management team, from left: Chief Financial Officer, Gerold Grabner; General Manager, Johanna Urkauf; retired former Managing Director, Franz Leingartner; Supervisor, Carol Urkauf-Chen (Chen Fengmei) and General Manager, Stefan Limbrunner.

New Management at KTM

Text & Photo: Editorial Dept.

Franz Leingartner, the managing director of leading Austrian bike brand, KTM Bicycles, retired at the end of June. Mr. Leingartner had been with the company for 45 years and had been managing director since 2011. He will continue to provide KTM Fahrrad with regular advice and hopes to say goodbye to the industry at this year's German trade shows.

Company owner, Carol Urkauf-Chen, has also changed her position. On January 1, 2018, she moved to the supervisory board and thus made room for her daughter Johanna in the management. Johanna Urkauf has

been with the company for more than three years and has gained valuable experience in various departments there.

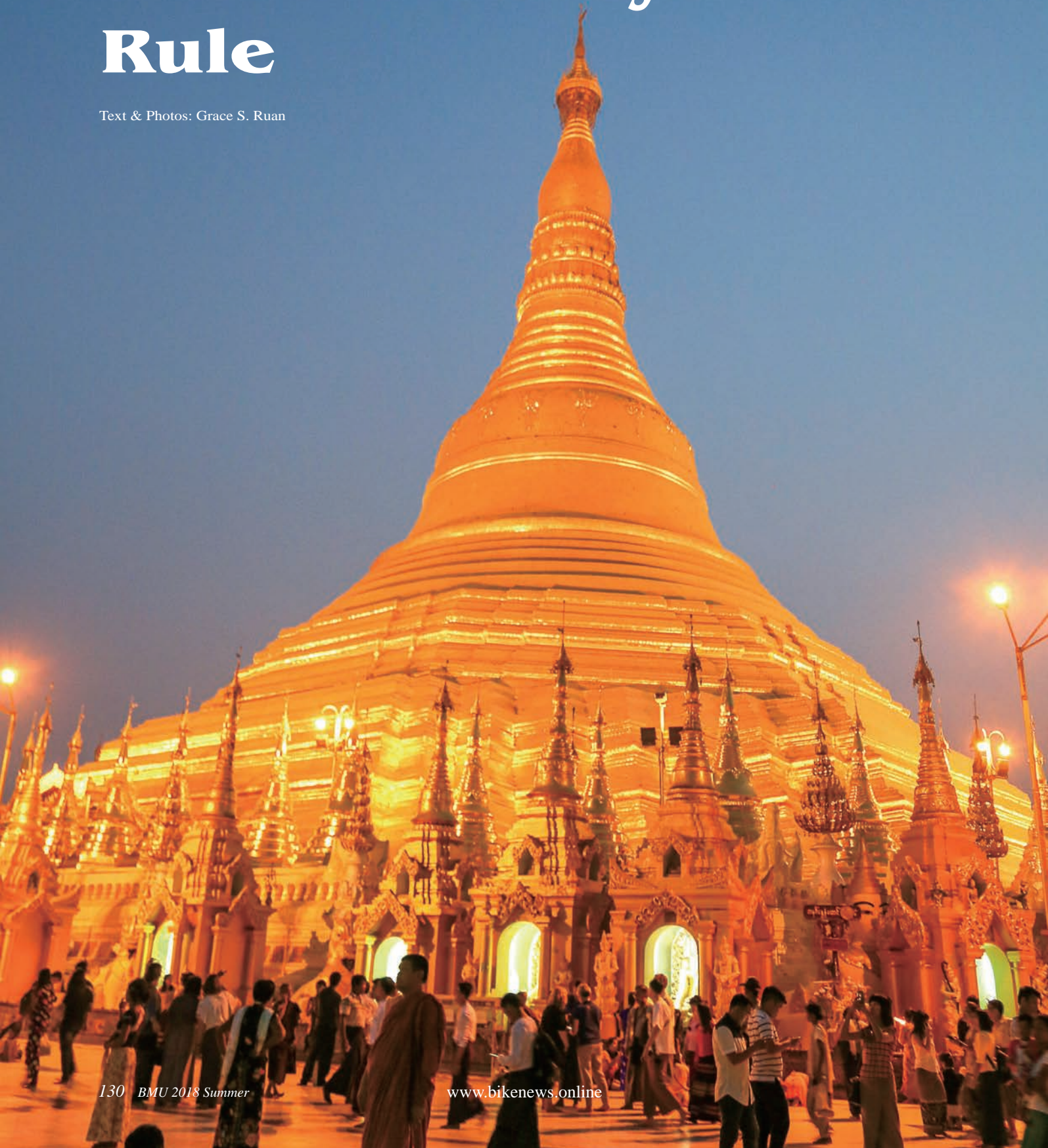
Operationally, KTM Bikes will now be run by Johanna Urkauf and Stefan Limbrunner. Mr Limbrunner started as the marketing director in 2006, was promoted to sales manager in 2011 and has been active in the management since May 2017.

Founded in 1964 KTM gets its name from its founders Ernst Kronreif and Hans Trunkenpolz, and the Austrian town of Mattighofen, where the company's manufacturing plant was built.

In 1991, the decision was taken to split the company into four separate entities--bicycles, motorcycles, engines and radiators – which were then sold off separately. The bicycle company was bought by Carol Urkauf-Chen and her former husband Hermann Urkauf, and its official name was changed to KTM Fahrrad GmbH (KTM Bicycles). Today the company employs 600 people, with more than 400 employees at the Mattighofen HQ alone. According to Stefan Limbrunner “In 2017, we produced 66,000 e-bikes, this year it's 88,000, and 110,000 are planned for next year.”

Myanmar: Where Second-Hand Bicycles Rule

Text & Photos: Grace S. Ruan

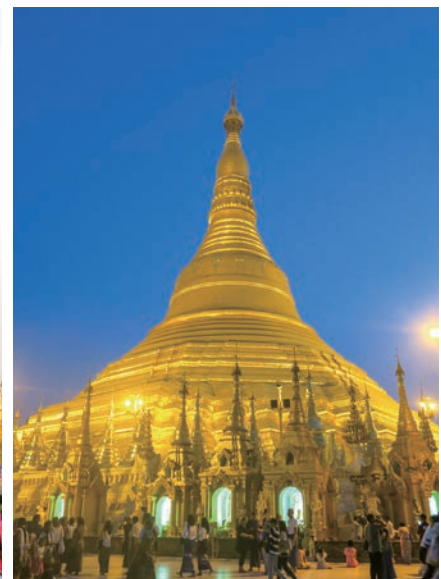


People's past impression of Myanmar was of a conservative, closed country under military rule. Although there was a small bit of opening in 1996, it accomplished little. It took a major opening in 2010 and 2011 to make the world start to assess this virgin land's future development potential and budding democracy. In Myanmar's April 2012 by-elections, Aung San Suu Kyi's National League for Democracy (NLD) party scored a major victory, which propelled Aung San Suu Kyi into the National Assembly and set the stage for major reforms. Since that time, numerous outsiders have entered Myanmar in search of business opportunities. Although the country's infrastructure was initially backward, power insufficient, and hotel accommodation inadequate, after several years of development and hard work, there are now few power outages and the number of new hotels is growing. For instance, Yangon now has such four- and five-star hotels as the Pacific Hotel and Melia Hotel, and transportation to the airport has improved greatly.

Myanmar is a federation of seven states, and is home to Burmese, Kachin, Lunlun, Gerin, Geoya, Yakan, and Rohingya ethnic groups; 85% of the population of 70 million are Buddhists. Numerous Buddhist pagodas dot the landscape, and Myanmar has been called the "land of 10,000 pagodas." The people are ex-



▲ A novice monk with the city hall behind.



▲ Shwedagon pagoda presents different aspects by day and night.

tremely devout, friendly, peace-loving, and fond of freedom. Although the country was ruled by Britain in the 18th and 19th centuries, it once conquered Thailand, and to this day many Thais visit Myanmar to worship in the country's Buddhist temples. Myanmar's largest city is Yangon, which has close to 9 million inhabitants. Yangon was made the capital after Myanmar became in-

dependent in 1948, but the capital was moved to Naypyidaw in 2005; although Yangon is not the capital, it is still Myanmar's most modern and most prosperous major city.

As far as the climate is concerned, February is the most comfortable time of year in Myanmar. The April Water-Splashing Festival is a very festive and important annual event



▲ Chodakita Reclining Buddha is the largest reclining Buddha in Myanmar. There are 108 patterns on the sole of the Golden Buddha's feet, with each pattern representing a person's reincarnation.

in Myanmar. The New Year was held April 17 this year, and the Water-Splashing Festival was April 13-16. On April 17, New Year's Day, everyone put on new clothes and participated in water splashing, and also went to temples to pay their respects to the Buddha. Students begin their summer vacation in April. The rainy season lasts from May to July. People in Myanmar have no surnames, only personal names, and the country has a matrilineal society. When marrying, the man must bring three strings of plantain leaves and one coconut when meeting the bride, otherwise the woman will lose face, and may even refuse to marry. It is said that the strings of plantain leaves and coconut are used in worship and are necessary items, but of course people also prepare incense and flowers. Because temples may only be entered barefoot, many people just wear slippers or flip-flops when in the country.

The most important event

in people's lives in Myanmar is serving as a monk. Some people say that the Burmese must serve as a monk at least once in their lifetimes, and at least three days each time. Both young boys and girls may serve as monks, and teenagers have a coming-of-age ceremony. It is a major event for families when a member becomes a monk: Boys dressed as princes and girls dress as princesses, and they have yellow thanaka paste applied to their faces. Parents, siblings, relatives, and friends all show up in their finest clothing for this event, and proceed to a nearby temple in a line, with participants carrying flowers and pillows. After the ceremony has concluded, the child officially becomes a monk at the temple. Parents accompany their children when they go out to beg for alms, and some parents sleep with their children. The coming-of-age consecration ceremony is even more magnificent than weddings. After morning recitation each day, the boys (monks) go out to beg for



▲ Traditionally, Thanaka is rubbed on the faces of boys and girls for protection from the sun and moisturizing.

alms. Most businesses will give monks alms, and the monks typically receive cooked food. Like the young monks, the girls (nuns) must also go out barefoot to beg for alms, and they mostly receive raw food (such as white rice), so men and women are still unequal in Myanmar. The Burmese don't like restraints, and love freedom. Of course the people of Myanmar also have taboos, such as the taboo against touching someone's head or shoulder.



▲ Parents, siblings and relatives will accompany young boys and girls serving as monks, which is a major event in Myanmar.



▲ Parents that have accompanied their children to become monks.



▲The boy has been dressed as a little prince and thanka has been rubbed on his face. Being a monk is the most important thing in a Myanmar person's life.

Thanks to the efforts of Aung San Suu Kyi, democracy has had an opportunity to take root in Myanmar during the last

few years. Although the president she picked has resigned, and a new president has taken office, the people of Myanmar still have

a great sense of optimism. And in spite of the denunciations that Myanmar has received for its treatment of the Rohingya, many business people from around the world have begun investing in the country. The prices of land and houses increased the most during the 2013-2015 period. Some companies in Taiwan's bicycle industry purchased land in the past, but some sold off their land as early as before 2010. Most people make salaries of approximately 7,000-8,000 KS, and technicians make roughly 10,000-20,000KS. Pumps were hot-selling items eight years ago, and numerous people made large

amounts of money from them.

Because of Myanmar's slow economic opening, the vast majority of bicycles, motorcycles, and cars are second-hand vehicles. Most cars are from Japan and Korea; in spite of the fact that they are second-hand, prices are not that much cheaper than for new cars. Most second-hand bicycles are from Japan; the prices of second-hand MTBs, for example, are approximately US\$20-40. Yangon has a second-hand bicycle market, which has around 200 shops. Apart from bicycles, e-bikes, and children's bikes, tires, saddles, air pumps, and other parts can also be found here. Most parts and components are from China. Competition is intense, and prices are whatever consumers can accept. Trek, Giant, Merida, Ghost, XDS, and Trinx have local distributors. Although these companies are affected by low-price second-hand bikes, local people will place a greater premium on quality and safety as more people get hooked on cycling.

Although the Myanmar market is flooded with second-hand bicycles, as economic reforms continue, this virgin soil will become increasingly attractive. As a result, some brands have begun sales through local agents during the last few years, and it is expected that consumers will place greater emphasis on brands as the number of people who like cycling increases. Ac-



▲ Most of the used bike shops have repairs technicians who can fit different brands of parts onto different bikes.

ording to our understanding, there are still not any bicycle paths or lanes, but some distributors and agents have begun holding bicycle races and activities. While these activities can indeed assist the development of bicycles, because of severe traffic congestion in urban areas, bicycles are prohibited in some cen-

tral districts of Yangon, such as Bahan, Botatayn, Lata, Lamma Dan, and violators must pay fines of 10,000 KS. Of course many people go ahead and violate this ban, and police often turn a blind eye to it, particularly in the case of foreigners, who are very unlikely to be ticketed.

Bike World/Travel & Tours

Boss Jeff Parry has spent 25 years in Myanmar, and has a Burmese wife. Jeff is fond of cycling, and established the company 12 years ago. The company formally became a Trek dealer eight years ago. Most of the company's bicycles are mountain bikes, but they also offer children's bikes and rode bikes. Sales are not high. The head of the Trek distributorship is Ko Kyi; while annual sales approach 40,000 units in a good year, sales have fallen by approximately 20% this year. Sales of children's bikes have remained steady, however. There is a total of 12 Trek dealers. The Just Bike shop not 10 shops away from Trek also belongs to Bike World, and this shop is chiefly a Trinx dealer. The best-selling MTBs have retail prices of around US\$200.



▲ Jeff Parry is the boss of Bike World and has been in Myanmar for 25 years. His wife (right) operates a bed and breakfast and they also run travel business. Responsibility for bicycles is handed over to the manager.



▲ The Bike World store is a Trek bikes dealer.



▲ The store sells Trek bicycles and parts.



▲ Just distributes Trinx bicycles and is also a subsidiary of Bike World.



▲ The general manager of Joy Trading (right) loves riding bikes.

Joy Trading Company

Boss Kyaw Kyaw Tun is Chinese, enjoys cycling, and is a keen observer of the market. The company was established in 2008, and chiefly sold low-/mid-price bicycles in the beginning. Most bikes sold by the company come from China, but due to damaging low-price competition, it has had to differentiate itself from competitors, which is why it established the GTM brand shop in 2015. Joy has hoped it could spur upgrading in Myanmar's bicycle industry,

and embarked on a campaign to improve quality. In a major break with the status quo, it acquired such well-known international brands as Giant, Merida, and XDS in 2017 and 2018. In order to provide customers even more choices, Joy also sells such Chinese brands as Java, Missile, and Twitter, etc.

General Manager, Kyaw Kyaw Tun currently operates three bicycle shops, which are located in Yangon (Giant) and Mandalay (Merida, Twitter, Java), which is Myanmar's second-largest city. The XDS shop is located in Pagan, which had popular tourist destination. Kyaw Kyaw Tun plans to establish more Giant shops in other third- and fourth-line cities around the end of this year. The company currently sells around 500-800 bicycles of each brand annually.



▲ The novel interior of a Giant store with its service department.



▲ Inside the store.

Sein Bicycle

Sein Bicycle has sold bicycles for eight years. GM, Mosi Thu Hein is not a brand agent, but sells bikes of different brands, and Giant, XDS, Trinx, and Acer bikes can be seen in the company's shops. Annual sales total around 7,000 units, and average prices are around US\$140 for MTBs (approximately 100,000 KS). There are two shops in Yangon, three in Mandalay, and two in Monywa. The company also



▲ The distributor of various brands such as Giant, XDS, Trinx and Acer.

cooperates with the online chain store Daraz. Sein Bicycle has 5-6 employees, and has sold 5,000 bikes in 2008.



▲ Sein Bicycle store.



▲ Roadster bicycle store



▲ Roadster distributes Ghost and Huffly bikes.

Roadster

Established in 2017, Roadster chiefly sells Ghost and Huffly bikes. The company sells around 250 bikes annually, and average retail prices are in the range of US\$600-1,000 for Ghost bikes. Roadster's parent company is a logistics firm employing 40 persons; the company currently has three shops.

Level Cycling

This small shop chiefly sells bicycle parts and accessories. Manager Thet Khine Win is very enthusiastic about cycling. This company has sold parts and accessories only since 2017, and imports all of its products directly from China.



▲ Thet Khine Win (left) likes to ride a bicycle. In the center is his father and on the right is his big brother.



▲ As the center of Myanmar's Buddhist religion, many people visit Shwedagon Pagoda at night where they will worship on their knees. They must walk barefoot in the temple grounds.



▲ Both local and international visitors go shopping at Aang San market.



▲▶ Carrying goods by bicycle is commonplace.



▲ There is often a traditional piano show in the hotel.



▲ Headwear made from cloth by Myanmar women can be seen on occasion.



▲ A man wearing a sarong riding a bicycle.



▲ Traditionally, Burmese men wear longyi (sarongs) and flip flops. Women's skirts are called htamein, which are generally brighter colors.

ABA Holds Shanghai Meeting

Text: Daphne Chen & Photos: Editorial Dept.



The Asia Bicycle Association (ABA) held a meeting during the period of the Shanghai Cycle Show in order to share bicycle industry and market development trends in member states. The meeting's participants made a joint resolution that this year's ABA annual convention will be held in Taiwan concurrently with the Taipei Cycle Show.

According to ABA Chairman Ma Zhongchao, thanks to shared bicycles, China's bicycle output enjoyed slight growth in spite of adverse conditions last year. The total number of bicycles in use in Shanghai alone reached a new high of 1.7 million units last year, and shared bicycles were the unquestionably the centerpiece of last year's Shanghai show. Shared bicycles quietly disappeared from this year's show, which revealed the

industry's determination to return to rational development. As for the location of this year's ABA annual convention, after Chairman Ma and TBA Chairman Michael Tseng discussed the issue, their decision to hold the convention in Taipei obtained the participating members' unanimous support, and the timing of the convention will coincide with the Taipei show.

According to Alexander Nachevkin, head of the Russian bicycle association, 4.5 million bicycles are sold in Russia annually, of which 2.0 million are produced in Russia. More than one half of all bicycles sold in Russia



▲ ABA Chairman, Ma Zhongchao (left) and ABA Secretary, Huo Xiaoyun (right).

are imported, and these chiefly consist of mid-/low-price models. Russia's bicycle sales grew by 10%-15% in 2017, and minor growth to 4.6-4.7 million units is expected for this year. Velomotors is Russia's largest bicycle assembly firm, and sold 1.3 million bikes last year.

Although South Korea imported 2.0 million bicycles in 2016, its bicycle imports fell by 25%, to 1.3 million units, last



▲ Taiwan Bicycle Association Chairman, Michael Tseng, invited all member countries to Taiwan to attend the annual conference and Taipei exhibition in October this year.



▲ President of the Russian Bicycle Association, Alexander Nachevkin.



▲ Executive Director of the Korea Bicycle Association, Pi Yun Seop.



▲ Chairman of the Japan Bicycle Association, Keiji Watanabe.

year. This drop was largely attributable to the poor weather and bad air quality, which reduced the public's interest in outdoor cycling. Because e-bikes can be written in bicycle lanes in Korea, Korean e-bike sales have increased steadily. A total of 20,000 e-bikes were sold in South Korea last year, and a target of 30-40,000 has been set for this year.

A total of 7.7 million bicycles were sold in Japan in 2017, which represented a slight drop of 0.8% compared with 2016. Only 900,000 of these bicycles were produced in Japan, and the remaining 6.8 million units were all imported, and 70%-80% of these were imported from China. Last year, Japan's e-bike sales reached 570,000 units, of which most were produced in Japan. The bicycle promotion bill passed by Japan's legislature on May 1 of last year calls for vigorous efforts to improve cycling safety and widen bike lanes. Apart from the active promotional efforts of the central government, the bill



▲ Indonesian Bicycle Association Vice Chairman, Henry Mulyadio.



▲ The Indian representative shared the status of the bicycle market.



▲ Representative of Vietnam Bicycle Association, Bach Hoang Vu.

also requires local governments and relevant associations to lend their support to implementation. A total of 5.0 million bicycles were sold in Indonesia last year, of which 1.3 million were produced domestically, and 90% of the 3.7 million imported bicycles came from China.

The gap between rich and poor is large in India, and bicycles remain a major means of transportation. Around 12 million bicycles are sold in India each year, and most of these are made by several large bicycle groups. Shared bicycles began to appear in India last year.

Vietnam has roughly 500 bicycle and e-bike assembly

firms; around one million bicycles and e-bikes are sold in Vietnam each year, and sales grew by 20% in 2017. Vietnam has imposed a 40% import tariff on whole bicycles and a 10% tariff on parts and accessories. Approximately 70% of bicycles sold in Vietnam are imported from China, with the remainder being produced by local assembly plants. The Vietnamese government plans to develop the bicycle industry in Hanoi during 2020, and also hopes that Vietnam can prohibit motorcycles in 2030. People in the industry should continue to watch for news concerning these plans. ☀

ANDEL®

Responsibility

Quality

Service

ANDEL®



<http://www.andel.com.tw>

E-mail : andy@andel.com.tw



WHEEL TOP

BICYCLE TRANSMISSION SYSTEM

EUROBIKE 2018



LANXI WHEEL TOP CYCLE INDUSTRIES LTD

Tel: +86(579)89022978

E-mail: wheeltop@126.com

TIANJIN WHEEL TOP CYCLE INDUSTRIES LTD

Tel: +86(22)59696335

E-mail: ELAINE@wheeltop.com



RIDER

visit rideabikes.com for more **ROAD • FIXIE • MTB • BROMPTON** upgrade components

World's Lightest Crank 370g **BB24IT**



Bigger Spindle Crank Ø29 **BB29ES**



Best Fitting Crank 145~180 **BB24ES**



POWERING

One and Only
DUO-OVAL
Chaining



LAMI FLOW



HOLLOW



SEMI-FULL



FULL



OSPW+

For Most Derailleurs

SHIMANO

DURA ACE R9100 / 9100 / 9000 / 9070
ULTEGRA R8000 / 8100 / 6800 / 6870
105 5100 / 5800
TADORA 4800 / 4700

SRAM

RED E-TAP / RED / FORCE / RIVAL

COMPAGNOLO

SUPER RECORD / RECORD / CHORUS

RBB Ceramic BB
BB 24 BB 29 BB 30



ITCB30
Smooth
Super Fast
Light Weight
only 175g



AERO

THE ALL NEW RPL WAS DESIGNED TO BE COMPATIBLE WITH ALL DRIVETRAIN SYSTEMS. ITS PROFILES OFFER EASY SHIFTS, SMOOTH SPINNING IN A LOW FRICTION THAT MAXIMIZES POWER OUTPUT AND RESULTING IN REDUCED FATIGUE.

*AN ALL NEW FOUR-ARM SPIDER IS THE IDEAL BALANCE BETWEEN STRENGTH AND LOW WEIGHT

*IMPROVED RIVET AND RAMP PROFILES ON THE CHAINRINGS ENHANCE SHIFTING PERFORMANCE FOR ALL DRIVETRAINS

PROWHEEL
WWW.PRO-WHEEL.COM

ROAD PERFORMANCE 2X11S,10S RPL-521-F-TT

CRANK LENGTH: 170,172.5,175MM
CRANK MATERIAL: FORGED AL-6061-T6
CRANK FINISH: BLACK SAND ANO.
CHAINRING: 50-34T,46-34T
CHAINRING MATERIAL: 50T,46T: ALLOY
34T: STEEL
CHAINRING FINISH: 50T,46T: CNC DETAIL, BLACK SAND ANO.
34T: BED
COMPATIBILITY: 11S,10S
BCD: 110MM
CHAINLINE: 44MM
Q1-FACTOR: 155/126MM
B.B.TAPER SQUARE: PW-BB68+ / PW-BB86



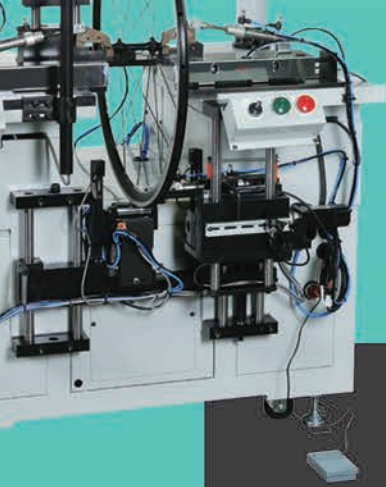
PW-BB68+

PW-BB86

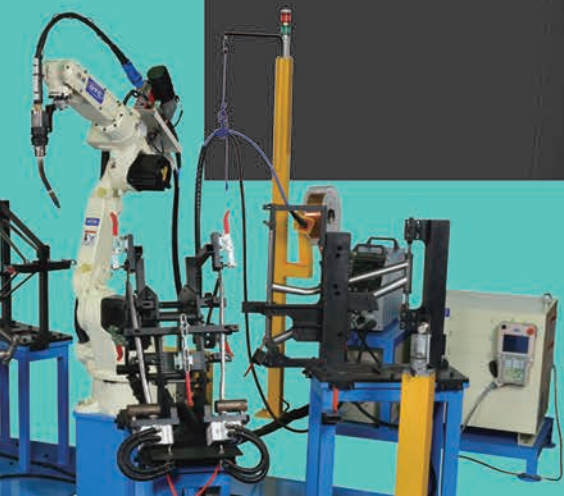
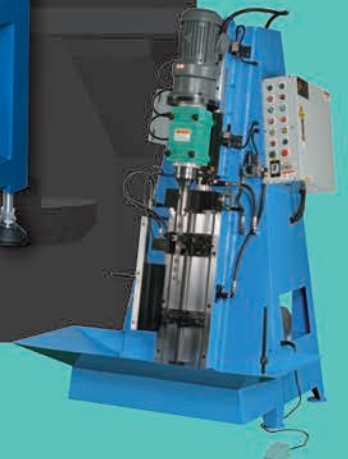
WHOLE MAN ENTERPRISE (TAIWAN) CO.,LTD.
TEL: 886-6-2825791/92
FAX: 886-6-2825746
E-MAIL: PROWHEEL@MS13.HINET.NET
SALES-TW@PRO-WHEEL.COM

HAOMENG BICYCLE(SHANGHAI) CO.,LTD
TEL: 86-21-57532846/47
FAX: 86-21-57536961
E-MAIL: SALES-SH@PRO-WHEEL.COM

WHOLE MAN ENTERPRISE(TIANJIN) CO.,LTD
TEL: 86-22-66321818
FAX: 86-22-66321820
E-MAIL: SALES-TJ@PRO-WHEEL.COM



BICYCLE PRODUCTION TURN-KEY EQUIPMENT



SHUZTUNG MACHINERY IND. CO., LTD.
STMC@SHUZTUNG.COM.TW

PERFECT!

PROFESSIONAL ALUMINUM FORGING!

Give us a drawing, you will get just what you want!

- Forgetec oem for motorbike, bicycle, and mechanical parts.
- Forgetec do cnc finishing.



原奇工業股份有限公司
FORGETEC INDUSTRIAL CO., LTD.

No.18, Jenho Rd., Nankang Ind. Dist., Natou 540, Taiwan.

Tel: 886-49-2253 817

Fax:886-49-2253 818

e-mail: forgetec@ms33.hinet.net

www.forgetec.com.tw

- *Short lead time*
- *Quick mould developing(7-10 days)*
- *Rigorous quality control!*



Frontec Precision Corp.

鴻元精密

Frontec Precision Corp.

No.156, Ln. 459, Ganzhu Rd., Hemei Township, Changhua County 508, Taiwan

www.frontec-tw.com

frontec.tw@gmail.com

Tel: +886-4-7356202

Fax: +886-4-7356205

Your best teammate in back up of your biz.

Custom order for all kind staged shaft, shift shaft, interior gear-sp changer of bike, hub skewer, spindle and CNC machine work.



• Surface hardness tester



• 3D microscope Dim. Detector



• Universal stress tester



OEM for all kinds of bike hub axle, whether BMX, RB, MT or DH with solid or hollow structure.



OEM for all kinds of bike interior speed changer shaft upon assignment



Material in Cr-Mo, Ti or other specify order are avail. QC on site step by step to ensure the 100% quality.

DUBAI INTERNATIONAL
BICYCLE
EXHIBITION



Join us at the cycling exhibition for the MENA region

JANUARY 11TH - 12TH 2019 | DUBAI WORLD TRADE CENTRE



2nd Edition of the exhibition



Over 120 Independent bicycle dealers in the GCC



Over 55 Independent bicycle dealers in the UAE

Business visitors from 24 countries attended the 1st edition



@DubaiBicycleShow
#DubaiBicycleShow

DUBAIBICYCLESHOW.COM

Contact us for more information about participating at the exhibition

Jean Huang,

WHEEL GIANT INC.
886-4-7350500, 7352555

F: 886-4-7357860, 7360789
E: rep@mail.wheelgiant.com.tw

Organised by



Velo's Unrivaled Injection Molding Advantage

Text & Photo: Editorial Dept.

Taiwan's premier saddle maker, Velo is celebrating its 40th anniversary this year. Since its founding, the company has built up an unparalleled degree of technical knowledge, professionalism and reliability in the manufacturing of its saddles. However, perhaps less well known is that the company also uses its accumulated knowledge and technology to provide Taiwan's premier injection molding services for the OE production of other parts based on customers designs.

Recently more and more globally-acclaimed customers

have been discovering that the extent of Velo's expertise is not limited to saddles, and that the company is also able to offer the advantages accumulated over 40 years to produce any injection part.

No substitute for being No.1

Velo is not shy about innovating for the future. Its previous developments for saddles include such ground-breaking tech as double and triple density injection molding techniques, ArcTech and Wing Bow

saddle suspension systems and the O-Zone cooling system. These innovative philosophies and advanced production techniques have been passed on to the company's OE production of other injection-molded products.

Velo is able to boast that it can produce injection-molded parts of any shape the customer desires. Additionally, the company is able to accommodate a wide range of state-of-the-art production techniques including inserts of different materials such as metals or even magnets. Double and even triple density injection products, where two or three different densities of plastic—usually one harder and the other softer, are injected on the same machine are also offered, as well as a complete range of color availability.

You name it, Velo can make it

For many years, Velo has been producing OE injection-molded parts to customers' designs, clients including many of the most renowned brands in



▲ Celebrating its 40th anniversary, leading saddle maker, Velo is promoting the company's ability at producing other injection-molded parts for OE.

the world. This wide spectrum of products ranging from fairings to fenders, downtube protectors and chainstay protectors to chainguards. Velo even manufactures parts for customers outside the bike industry, regularly supplying such products as hand guards or knee protectors to clients in the motorbike industry.

The burgeoning growth in e-bike sales worldwide has also led to Velo producing an increase number of parts for electric assist bikes including motor covers, motor protectors, battery

covers and battery protectors. With Velo's injection processes, the sky really is the limit for customer product designs.

Unrivalled capability and service

Velo employs over 2000 people worldwide. The company's main plant in Taiwan employs over 1000 people and has over 100 cutting-edge injection molding machines turning out precision parts 24 hours a day. Velo factories in Kunshan and Shenzhen further

enhance and expand the company's production capabilities and capacity.

All tooling is carried out at the Taiwanese plant where Velo is able to take advantage its many years experience and CNC machines to rapidly and professionally open molds based on customer designs.

Bringing together all of these advantages, Velo is able to offer unrivalled service, cutting edge technical innovations, and an unlimited choice in customer-designed injection products. ☀

ROAD
SILENT
SPORT

VEE TIRE CO.
TAKE YOURSELF FURTHER

SYNTHESIS
SKINWALL

NOW
AVAILABLE
650B X 47

Vee Tire Expand on Flow Snap Range

Text & Photo: Editorial Dept.

Vee Tire Co's Flow Snap tire was launched in early 2017 to fulfil the gravity demand for a grippier tire in most conditions, as well as offer predictable cornering and good braking control. Since then the tire range has received a warm reception amongst riders around the globe. Expanding on this success, Vee Tire Co are expanding the Flow Snap range and introducing them at Eurobike 2018.

Gravity Core


Originally, Flow Snap tires were available in three versions and five sizes: Gravity Core (27.5x2.35), lighter Enduro Core (27.5x2.35 & 29x2.35) and in Plus Size (27.5x2.35 & 29x2.6).

The Gravity Core gives better protection from punctures and a smoother riding feeling and is suitable for riding fast on downhill courses, pedalling hard to the top peak of mountain during enduro competition or trying new lines in bike parks. After testing with the company's sponsored racers, Vee Tire Co expanded the range with a 29x2.35 and 29x2.6 Gravity Core tires for any gravity riding purpose.



Flow Snap Junior

The Vee Tire Co Crown Gem line up cover most mountain bike tires from 12 inch up to 29 inch, but as kids are also riding harder recently, the company have also developed the Flow Snap Junior in 20x2.4 and 24x2.4 sizes. From knobs design, 72 TPI, Tackee Compound, Folding Bead, Tubeless Ready and sturdy Enduro Core, these smaller diameters of Flow Snap have the same specifications as the big bro-

thers in 27.5 and 29 inch, allowing younger riders to ride faster and safer in bike parks or downhill tracks. Specific gravity tires for kids bike are not a common thing in market, as kids tires usually made with low specifications such as wire bead, low TPI and hard compound, however Vee Tire Co believe the Flow Snap Junior will allow kids to gain positive experience in gravity riding. 

Prologo Expands Dimension Range

Text & Photos: Editorial Dept.

Premium saddle brand, Prologo has added to its range of popular short saddles for road racing bikes—Dimension. New snub-nose saddles in the range include a version for versions for MTB and endurance/all-round riders.

The original Dimension has a snub-nose that is 35mm shorter than traditional saddles. This helps to spread the pressure over the seating area more evenly, especially in the aero position or in the maximum pushing phase (on the drops). The saddles also feature Prologo's PAS system, which is a large central channel that reduces numbness and helps maintain blood flow when seated. Dimension is available in three rail options: The T4.0 weighing 204 grams, Tirox weighing 179 grams and the ultra-light carbon Nack which weighs just 149 grams.

Dimension NDR

The Dimension NDR for MTBs, aiming to provide comfort, performance, lightness and relieve perineal problems thanks to the pressure relief system. The Dimension NDR has 3 mm extra



▲Dimension NDR

padding all over the surface to ensure a better comfort for long riding, while the rounded shape helps riders to naturally rotate the pelvis and improve the seating area. On the side of the saddles Prologo have added a side protector to avoid scratches or damages. Like the original Dimension, the NDR utilizes Prologo's PAS system and is available in three versions: the more affordable T4.0 rail at 214 grams, the Tirox at 189 grams and the Nack at just 150 grams.

Dimension Space

The Dimension Space is aimed at the more all-round or endurance rider, offering extra



▲Prologo Manager, Salvatore shows the new NDR.

comfort for both male and female users. The saddle is designed to fit riders that need a semi round or round shape, with medium-low pelvic rotation/flexibility and have a wider ischial bones distance. The Special Channel "PAS" is wider and deeper than normal to ensure complete pressure relief, and allow better blood flow. An extra 4 mm padding with special density foam and the increased width of this model ensure better comfort over long rides. The Dimension Space is available in three rail types: the base model T4.0 weighing 227 grams, the Tirox at 202 grams and the Nack at 172 grams. ⚙️

Taiwan New Product Gallery

Text & Photos: Editorial Dept.

Advanced Forming



Apro

ERDP6.0CA-S 275+

The ERDP 6.0CA-S 275+ Fully is design for conquering extreme terrain. The slim, muscular look is reminiscent of an off-road motorcycle. The carbon fiber chassis is manufactured utilizing High Modulus Carbon Fiber and NJW—a unique forming technology from Apro which provides superior strength and extreme lightweight. Combined with a #6061 aluminum rear triangle the complete frame is lightweight, stiff and responsive. The frame is suitable for a Shimano E-8000 motor with the new in-tube battery, and there is also an option for the Darfin battery available early 2019.

886-4-26821688
www.apro-tek.com

Arix



Aster

EUROBIKEBOOTH Hall A4 420

A610 DISC
 • 700C road bike
 • carbon bike
 • BB86
 • Weight: 1040g (49cm)
 • Size: 38/46/49/ 52/ 55cm
 • Headset: Upper 1-1/8" Lower 1-1/2"
 • Inner cable routing

F35
 INSPECTOR
 by **if**
 • 700C road bike
 • carbon bike
 • BB86
 • Weight: 1050g (51cm)
 • Size: 40/49/52/54cm
 • Headset: Upper 1-1/8" Lower 1-1/2"
 • Inner cable routing

007 DISC
 • 700C road bike
 • BB86
 • Weight: 1050g (49cm)
 • Size: 46/49/ 52/ 55/ 58cm
 • Headset: Upper 1-1/8" Lower 1-1/2"
 • Inner cable routing

SHOW NEWS

ASTER BIKES TECHNOLOGY CO. LTD
 HQ: #72, Fuyao Rd., Zhuhai Dist., Taishan City, 529100
 Tel: +86-4-24813630 Fax: +86-4-24813636
 E-mail: aster@asterbike.com

Baradine

5-in-1 Brake Shoes 476

	Standard	Direct Mount	Universal
Shimano & Sram System			
Campagnolo System			

- Compound available for Carbon OR Alloy rims
- Low-profile design for wider rim (23mm and up) use
- Compatible with 5 types of cartridges as shown above



Azure Bike

New Push Bike

TL-066-A

A push bike with an alloy frame, Azure Bike's TL-066-A features a "Smart Shock Cushion" design, for happy riding.

Bo Well

CC-109A

Diameter 27.2, 30.9, 31.6mm
Material AL7075T6 CNC machined with Tibolt or Cr-mo
Finish Anodized color
Length 350, 410mm
Weight 217g (27.2 x 410-Ti mm)

CC-741

Diameter ø28.6, ø31.8, ø34.9mm
Material AL6061T6 CNC
Finish Anodized color
Height 15mm

CC-740

Diameter ø31.8 + ø27.2mm , ø31.8 + ø28.6mm , ø34.9 + ø31.8mm
Material AL6061T6 Full CNC
Finish Anodized color
Height 28mm



C.D. Components

CD-130

The CD-130 is a dual-legged kickstand suitable for e-bikes and trekking bikes. Both legs have the ability to be folded up to one side to avoid touching the chain. The kickstand is made from alloy and is adjustable from 24" -29" . Weighing in at 590 grams the CD-130 is available in black or anodized silver.



CD-266F

The CD-266F is an front carrier featuring expandable wings. Weighing 815 grams, the alloy carrier is adjustable from 26" to 29" and is available in black or silver powder coated finishes.

☎ 886-4-7689658



Chern Shiang



Chin Haur Ind. Co., Ltd.



CH-6502 TBW
UPPER 1-1/8", LOWER 1-1/2"
 IS 42/28.6 - IS 52/39.8
 Material: Alloy(#1.2), Nylon(#B), Steel(#5)
 Type: Threadless, Sealed Bearing
 Height: 10.5+0.8=11.3mm
 Weight: 110g
*** CH-6502-1 TBW**
IS 42/28.6 - IS 52/30.0



CH-52
CARTRIDGE TYPE
 Steel, ISO Square Cotterless Axle
 Cup: Steel
 Thread: 1.37"x24T (BSA)
 Rotator: Sealed Bearing x 2 pcs
 Weight: 348g

Ching Chern



CNSpoke

SLT Locking System

CNSpoke's SLT Locking System utilizes an anti-loosening system that requires no glue and no extra Loctite to hold the spoke securely. The system can be used on either manual or machine built wheels, and is also allows for retrueing.

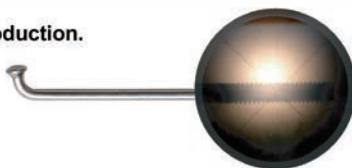
☎ 886-2-2993-7711 🌐 www.cnspoke.com

SLT Locking System

Anti- loosing Threads on spokes 	What we did before. Nylok application on threads
	What we're doing ! SLT system Variation of threads. Matallic contact works better Patent Pending

Anti-loosening technology from spoke production.

- . No Glue, no extra Locktile is needed.
- . Good on manual or machine building.
- . Re-truing is ok



Co-Luck

SWIVEL DUAL FACE GAUGE TUBELESS FLOOR PUMP

GF-99T
max.180/500psi

Features

- Steel handle
- Aluminum barrel
- Steel stamping base
- GCT-TU pump head w/switchable little lever for Tubeless
 - » Hi-polish alum Clever Twin-Valve for Schrader, Presta and Dunlop
- Durable and high-end stainless braided hose
- Top-mounted Dual-face gauge:
 - » One side 2.5" gauge: 180 psi for Tire
 - » Swivel to another side 2" gauge: for Tank
- Suggested to inflate tank to 500 psi then charging the tubeless tire
- Attach with Presta valve core tool
- 27" in total height



Co-Union

Handlebar Tapr PU/バーテープ

PU handlebar tape

- Material: PU
- Printing customizable
- 材質:PU
- カスタマイズ印刷が可能

NEW

CB-0108PAE
200 x 3cm

CB-0108PAF
200 x 3cm

CB-0108PAB
200 x 3cm

CB-0108PAC
200 x 3cm

CB-0108PAD
200 x 3cm

CB-0108PAA
200 x 3cm

Dnm Industry Co., Ltd.



BURNER-RCP 2.5
RIDING STYLE: FR/AM/DH
COLOR: []

USD-8.5
RIDING STYLE: DH/FR
AXLE: 20MM
COLOR: []

DNM INDUSTRY CO., LTD.
Tel: +886 4 22706191
Fax: +886 4 22708734
E-mail: dnm@dnmshock.com

BIKE READY

Far And Near

FN-RS15B

Far Near has a variety of thru axles, all made from AL7075-T6. The light-weight thru axles use a 6mm Hex Key for a smooth closing.

www.farandnear.com.tw

First Bicycle

P220A

NEW Eco Eccentric BB

Features:
Quick and Easy for Assembly/Disassembly; Prevent the Damage Caused to BB After Bolts Are Tightened; No Need Special Bolt Hole or Split on the BB Shell

FIRST components

P502A/P504A:
New Headsets with Extremely Low Top Cover

Features:
The low top cover can reduce the wind drag and make the riding more stable.



Forgetec



886-49-2319767 www.forgetec.com.tw

Geng Hung

Trainer function

- Suitable for 18"-28" bike
- The roller is a training tool enabling users to get into top shape for cycling.
- The rollers, of high technology material, are specially shaped to guarantee better control of place.
- High quality cylindrical bearings ensure many years of trouble free and quiet operation.
- The roller trainer is very practical, light, manageable, easy to use and takes up little space.
- Frame can be folded for easier storage or carrying.
- It is recommended for users of all levels.



Gigantex

EQUINOX MiRacle Multi-Rotation-Knuckle



Reversed spoke angle design change the operation mode to simulate high profile and provide with high inertia.



Aerospace class high modulus carbon fiber.

Unique tension free design. (Without Drilling)



Gumonder

Dark Summon

Pattern No : G812

Size : 27.5X2.25; 27.5X3.0; 29X2.25

The Dark Summon is an all-mountain tire that excels in all condition.

The excellent center ridge still flies on hardpack and provides better braking and cornering over a wide range of trail condition.

A great choice if you want to go fast everywhere.



Hua Hsines



86-755-27225278

www.huahsines.com.tw

I Ling



I LING ENTERPRISE CO.,LTD.
 TEL: +886-4-777 2128
 FAX: +886-4-776 4896
 E-MAIL: iling@oro.com.tw
 www.oro.com.tw



Jang Horng

JH-418P Egg Bell

All plastic surface
 Size : 42 mm
 Packing : 1 pc/ box, 100 pcs/ ctn,
 cuft : 3, N.W. : 12 KGS, G.W. :
 14 KGS
 Can fit in : 22.2mm/ 25.4mm/
 31.8 mm

886-4-7697835
 www.janghorng.com.tw



Jee Ann



Jiangsu

TS25

- 1.Trailer and stroller function
- 2.Accomodate two children
- 3.Alloy or steel foldable frame
- 4.Plastic side guards

www.jsrbkj.com



EN15918

Koios

KOS0331S

This patented quick-release carrier system, can be used with Koios dedicated rear bag, and is easy to disassemble. Bags are slid along the carrier rails until in the correct position, and are held securely without the need for tools or straps. To remove, a rider must simply pull a lever and slide the bag or basket backwards. The KOS0331S is adjustable and it also features a rear light fixture.

KOS0201

Koios' rear carrier is simple, lightweight and easy to use. Made from light and durable aluminum alloy, the KOS0201 can be used with any Velcro type rear bag and shopping basket. With a maximum loading of 9 kg, the carrier also features a rear reflector for safety. Available in black or blue colors.

KOS0101

Koios' patent carrier system allows for any Koios bag or basket to be quickly attached or removed from this rear carrier. Bags are slid along the carrier rails until in the correct position, and are then held securely without the need for tools or straps. To remove, a rider must simply pull a lever and slide the bag or basket backwards. Available in black, red or silver, maximum loading is 9kg.



Liang Feng

LiangFeng Co.Ltd
EUROBIKE SHOW
2018.July.08 - 2018.July.10
Booth No. : A4-430 Hall A4

<p>OS-E650F Steerer tube : 1 1/8" Alloy(6061) Cr-Mo/Steel</p> <p>Blade : Ø43 Wheel size : 20" Use : Folding Bike Dropout : Forged Option : Flate mount</p>	<p>OS-E625D Steerer tube : 1 1/8-1 1/2" Alloy(6069) Cr-Mo/Steel</p> <p>Blade : Ø50 Wheel size : 29" Use : Electric bike Option : Pivot / Roller / IS mount / Post mount</p>	<p>OS-E600D Steerer tube : 1 1/8-1 1/2" Alloy(6069) Cr-Mo/Steel</p> <p>Blade : Ø48 Wheel size : 26" Use : Electric bike Option : Pivot / Roller / IS mount / Post mount</p>
<p>OS-F642 Steerer tube : 1 1/8" - 1 1/2" Alloy(6069) Cr-Mo/Steel</p> <p>Blade : Ø56 Wheel size : 700C Use : Electric Bike Dropout : Forged Option : Pivot / Roller / IS mount / Post mount</p>	<p>HOB-E625 Steerer tube : 1 1/8" Cr-Mo Blade : Ø55 Wheel size : 26" Use : Electric Bike Dropout : Forged Option : Pivot / Roller / IS mount / Post mount</p>	

Whithout Frog!

Automated Production

Patent Processes

New Manufacturer Proce

Product Liability Insurance

良豐機械股份有限公司
LIANG FENG MACHINE CO., LTD.
地址：434路中區中興路大甲區第一街3號
No.3, E.1st St., Dajia Dist., Taichung City 433, Taiwan
Tel : 886-4-26520629 Fax : 886-4-26820609
E-mail : lfmc1.chen@msa.hinet.net

昆山兆豐金屬制品有限公司
KUNSHAN ZHAOFENG METAL PRODUCTS CO., LTD.
地址：江蘇省昆山市玉山鎮五城北路118號
No.118,Yuchen,North Rd,Kushan Town,Kunshan City Jiangsu
Tel : 86-512-57617989 Fax : 86-512-57617990
E-mail : kszf_888@163.com



Looney-Max

RU-9295

Stainless Steel Tube Rack
Material:#304 Ø10x1.0mm

Lord Benex



Marudean



886-4-24653278 www.edge-design.com.tw

Meachow

ME-002LS/RS/LB/RB

Designed to fit on flat handlebar bikes, Meachow's bike mirror effectively enhance the safety of riders both in the day and at night. The blast-resistant safety lens features a coating that reduces glare reflection. The mirror arm folds upon impact to prevent damage, or harm to the rider.



Ming Tay



Novatec

Diablo XL

Novatec describe the Diablo XL as the “Swiss Army Knife of wheels”. With an internal width of 30mm, the Diablo XL is tubeless ready out of the box including valves, and comes in 27.5 or 29” sizes. Stiffness and reliability were key elements in the design allowing for use on many different kinds of trails.



Nan Hai

NH-992/993

Alloy Wheel Chair Tricycle Hubs
 Axle : CR-MO 1/2", 5/8",
 12mm, 15mm
 Weight : 992_387g / 993_338g

Otrajet

NEXO AIRLESS TIRE

Burst-proof • Inflation-free • Zero Maintenance



Prime Aero





ADP-SHE8
SHIMANO® E8000 adapter.
With magner for speed sensor.




GM1-BASE
GARMIN® computer mounts compatible.
Use 3m tape to and safety bolts to fit device or device cover.

MATERIAL: polycarbonate (PC)

Mr. control
BOOTH NUMBER 4.2.5.31


CL-CV

Extend rubber cover, to prevent dust permeate in to seat tube.
Chamfer edge & oval hole design to protect carbon frame & seatpost.

MATERIAL: AL6061-T6 clamp with NBR cover
SPEC: Ø27.2 seatpost - Ø31.8 seat tube
Ø31.6 seatpost - Ø34.9 seat tube
H: 16mm (12mm insert)

AVAILABLE IN DIFFERENT CYCLING COMPUTER AND CAMERA / LIGHT MOUNT

Compatible:



Mr. control
BOOTH NUMBER 4.2.5.31

Sinmat

Full Range Bearings

Ceramic Material with Lighter Weight
Various Option of Specifications.



Tai-World

Freehubs body material is made of Stainless steel and Titanium.

Instant roller clutch engagement during the power stroke and instant disengagement when coasting.



Taya Chain

11s Onze Galaxy

11-Speed chain

Taya has launched an 11-speed Galaxy chain suitable for both MTB and road bikes. The company's patented technology allows the chain to surpass ISO standards and extend its life. The chain features Taya's 360 degree riveting, DHT super hardening as well as "Deep plate chamfer" designs. A unique "Nano-Galaxy-Coating" bonds a special nano material to the chain plates giving the chain anti-scratch, wear resistant, and easy maintenance features.



Tolv-12s Ti-Black Gold

12-Speed chain

This is Taya's top 12-Speed chain for MTBs. The company claims its exclusive DHT (Diamond Hard Tech) self-lubricated hardness treatment applied to the pins strengthens the hardness to over HV1800, 30% harder than many high-end chains on the market. Taya also claim the "Patented "Sigma+" Quick-Link earns its durability in double by the special block design, and reusable gain."

886-6-2703166 tayachain.com



Trueeast

Bike Case

A4 - 422

K11293

SIZE: 50"x8"x32"



- Side handles.
- Wheels compartment.
- Bottom with plastic stands.
- Delachable holders for smart storage.

ELEMENTO LTD



Venzo

Elemento LED

Size: 29"

Material: Alloy V9

F/D: Shimano D-Type

Side Swing, Internal Cable System

Head Set: 44 / 55

Brake: Post Mount

Through Axle: Shimano Type M12 x P1.5



TRP

HD-E840-2

The all-new HD-e840 utilizes a completely new design to offer a brake engineered specifically for eMTB. Rotor thickness was expanded to 2.3mm – lowering heat buildup by 8% and reducing rotor deformation by 15%. The caliper utilizes an open top design for easy pad replacement when working with the added weight of an eMTB and also features TRP's World Cup-winning ceramic/steel hybrid pistons offering the ideal blend of light-weight heat management and smooth reliable actuation. The lever is equipped with an indexed Tool-Free Reach Adjust.

☎ 886-47683999 🌐 www.trpcycling.com



Wishbone



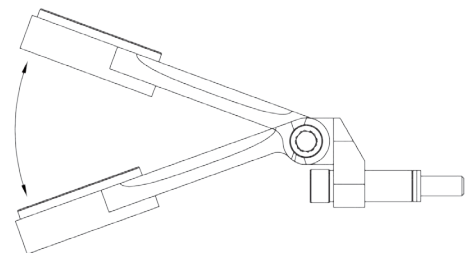
Winride



XON



Angle adjustable



CNC Angle Adjustable Stem Cycle Computer & GoPro Combo Mount

Material: Alloy 6061

Fit M5x18mm stem bolt

Mount Plate Options: Garmin/Bryton/Mio/Wahoo

XBT-45

Yaban

SLA1210



Yaban’s leading 12-speed chain has a unique thinner design with bevel chamfering on edges of chain plates for more fluidity and less hesitation when moving over the cogs. The pin power is over 350kgf (4 times higher than EN standard), and both pins and rollers have undergone DHA Chromium Carbide heat treatment up to HV1500. Furthermore, the Teflon coating on inner plates will reduce the coefficient of friction which attain high durability with 6,000~8,000 kilometers. Yaban’s Quickly Release Safety links have four safe section designs on the plate. These four safe section designs will control and keep the pin stable to attain high strength, high safety and high durability.



Titanium Chain

Made of titanium, these chains reduce weight by more than 30% of weight compared to normal bicycle chains. Titanium chains also offer remarkable shifting performance and outstanding durability. Yaban’s Titanium Chain is processed with Ni-PTFE Teflon Coating, SLA Superior Lubricating Aid, and DHA Chromium Carbide Hardened Treatment. Its outstanding durability is about 6,000 km~8,000 km, and the company claims its lifetime twice as long as normal chains. Titanium chains are available for 11-, 10- and 9-speed drive train systems.

MK410RB



Designed for e-bikes, city bikes, fixed-gear, BMX and all single speed bicycles, Yaban’s new patented MK410RB is solid bushing type single speed chain which the company claims has 10 times the chain life of normal chains, and offers over 20,000 km service life without replacing. The wide inner plates construction offers an anti drop function and 1,200kgf high tensile strength. MK410RB combines with easy maintainance, great rust resistance, high durability and excellent cost performance.

Zoom

E-Aria (CH-188D)

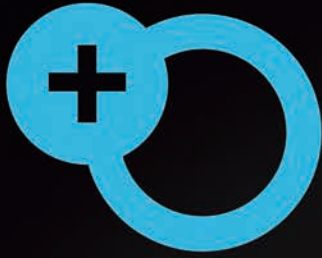
Zooms latest suspension fork for e-trekking bikes features mechanical, hydraulic and remote lock-outs. Coming with a 15mm thru axle, the fork also offers adjustable preload. The e-0Aria is compatible with 700x56C wheel sizes and has a travel 65mm. 🌀

☎ 86-0755-2713-0185 🌐 www.bike.hlcorp.com



DDIK

PRESENTS



comfort plus



SHOCKS
COMPENSATION

HIGH REDUCTION OF
PEAK PRESSURE



HIGH PEAK PRESSURE REDUCTION AND SMART SHOCK ABSORBING BALANCE: THE MEMORY FOAM MEMBRANE ENSURES PERFECT ADHERENCE TO THE BODY AND CONTINUED EFFECTIVENESS, FOR OPTIMAL PERFORMANCE OVER TIME. COMFORT DENSITY ELIMINATES VIBRATIONS, FOR ENHANCED DRIVING STABILITY.

FROM DDK'S LABS, COMES THE NEW ERGONOMIC COMFORT PLUS SADDLE, DESIGNED TO PERFECTLY FIT THE CHARACTERISTICS OF YOUR BODY.

AN IDEA THAT REVOLUTIONISES THE PLEASURE OF RIDING YOUR BIKE AND OFFERS A NEW EXPERIENCE FOCUSED ON COMFORT.

COMPACT DESIGN, MODERN LINES AND A SPECIAL PADDING FACILITATE EFFICIENT RIDING ON ANY TYPE OF ROAD.



D102MF

COMFORT DENSITY AND MEMORY FOAM: THE SOUL OF THE COMFORT PLUS DESIGN IS ENCASED IN TWO CUTTING-EDGE TECHNOLOGIES.



D053MF



D153MF

RECOMMENDED FOR E-BIKES



www.activeddk.com



DIE-CAST ALUMINUM



The overall kraton inlaid pedal surface completely, provides riders feel comfortable and non-slip. Design for Urban, Communitie and E-bike, support any flat sole shoes or leather shoes best.

踏面包覆軟膠，提供騎乘者更舒適的感受及防滑功能。適用於電動車、城市車、通勤車，尤其是平底鞋或皮鞋最佳。

SC-MD307

BODY	Die-cast aluminum body with kraton inlaid
AXLE	CNC-machined Cr-Mo
BEARING	LSL bushing & sealed
SIZE	109 x 89 mm
WEIGHT	253 g/pc

SAND-PAPER PEDAL

The new stylish pedal with 3M durable, long-lasting, slip-free sand-paper is a premium design for Urban, Trekking and E-Bike. The flat profile with an even contact patch provides the best performance of a safe stand. It's very light only 388g a pair.

3M防滑砂紙附著度更佳，弧型踏面設計讓腳掌更貼合。電動車、城市車、旅行車最佳首選。

SC-CP825

BODY	Engineering, thermoplastic body with sand-paper
AXLE	Steel Cr-Mo
BEARING	LSL bushing & sealed
SIZE	108 x 86 mm
WEIGHT	194 g/pc



SC-CCG03

BOOM	TPU
HINGE	TPU
GUIDE	Tube TPU



Easy to install,
no need to remove the chain



3D MOVEMENT
THE ANTI-RATTLE-INSTRUMENT



BIKE AND FREERIDE MILESTONE AWARD 2011
Voted by the readers of bike (europe's biggest mtb magazine) and freeride (the gravity branch of bike).

EUROBIKE AWARD 2010.
Design competition held annually by trade fair organizers in association with if design award.

MANUFACTURED BY SCADA

CHAIN GUIDE

Innovative chain retention system.

Material: Rubber / Non-toxic PVC



WR-2660
L: 125mm



WR-2656
L: 125mm



WR-2661
L: 125mm



WR-2657
L: 125mm



WR-2612
L: 125mm
M: 105mm



WR-2013 L S
L: 150mm
S: 130mm



WR-1608
100mmx22.2mm



YANG MAO INDUSTRIAL CO., LTD

No.68-5 Lane 496, Sec.1, Chung Shan Rd., Hwa Nei Kaohsiung Hsien, Taiwan

TEL : 886-7-6932026, 6936396-7 FAX: 886-7-6933635

Executive: W.H.hsieh E-mail: yangmao@ms49.hinet.net

ASHIMA

Without Limit

EUROBIKE BOOTH A6-415



ASHIMA LTD.

Add NO. 176 Bao Bu Road, Bao Bu Li Changhua 50089 Taiwan

TEL: 886-4-7260496 FAX:886-4-7260638

E-mail:ashima.twn@msa.hinet.net





BENGAL

DISC BRAKE



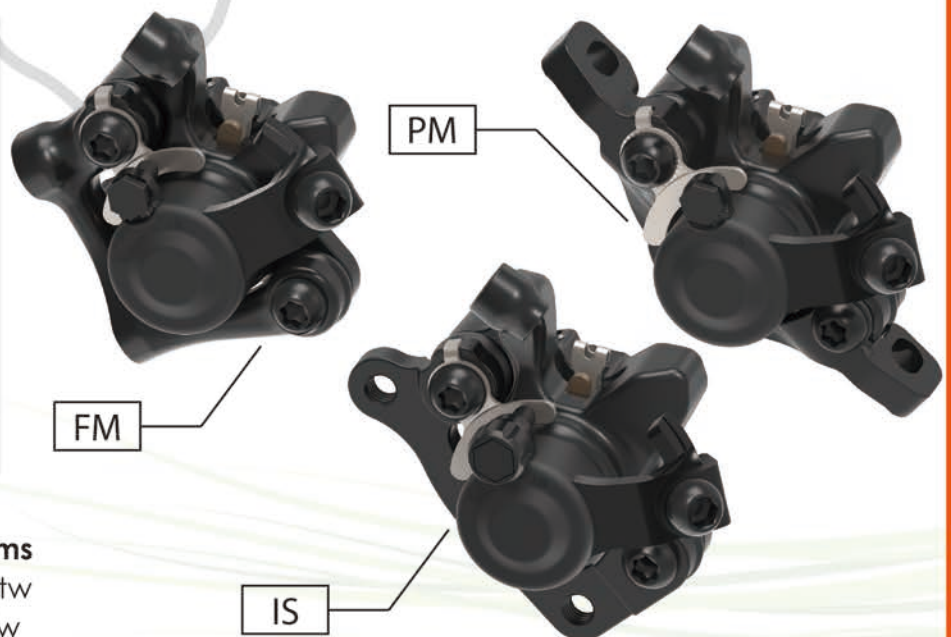
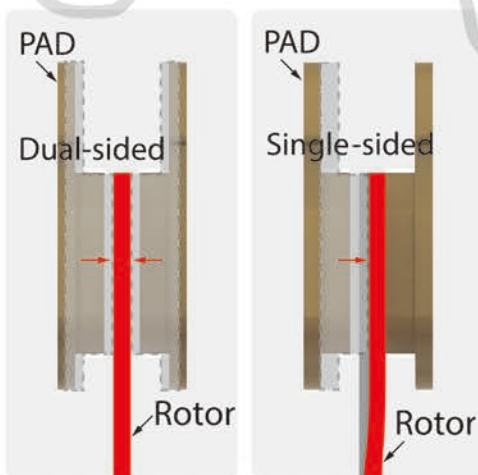
Mechanical Disc Brake

PATENT NO :
M533615
US 9771125
ZL2016205986261
Nr.20 2016 104 048

Dual-sided

MB300, is a mechanical disc brake designed by veering away from traditional techniques and discovering a new dual-sided patented structured design. The MB300's one piece and competitive lightweight design offer easy setup and adjustment. The unique positioning of the pads between the sides of the rotor provides incredible performance.

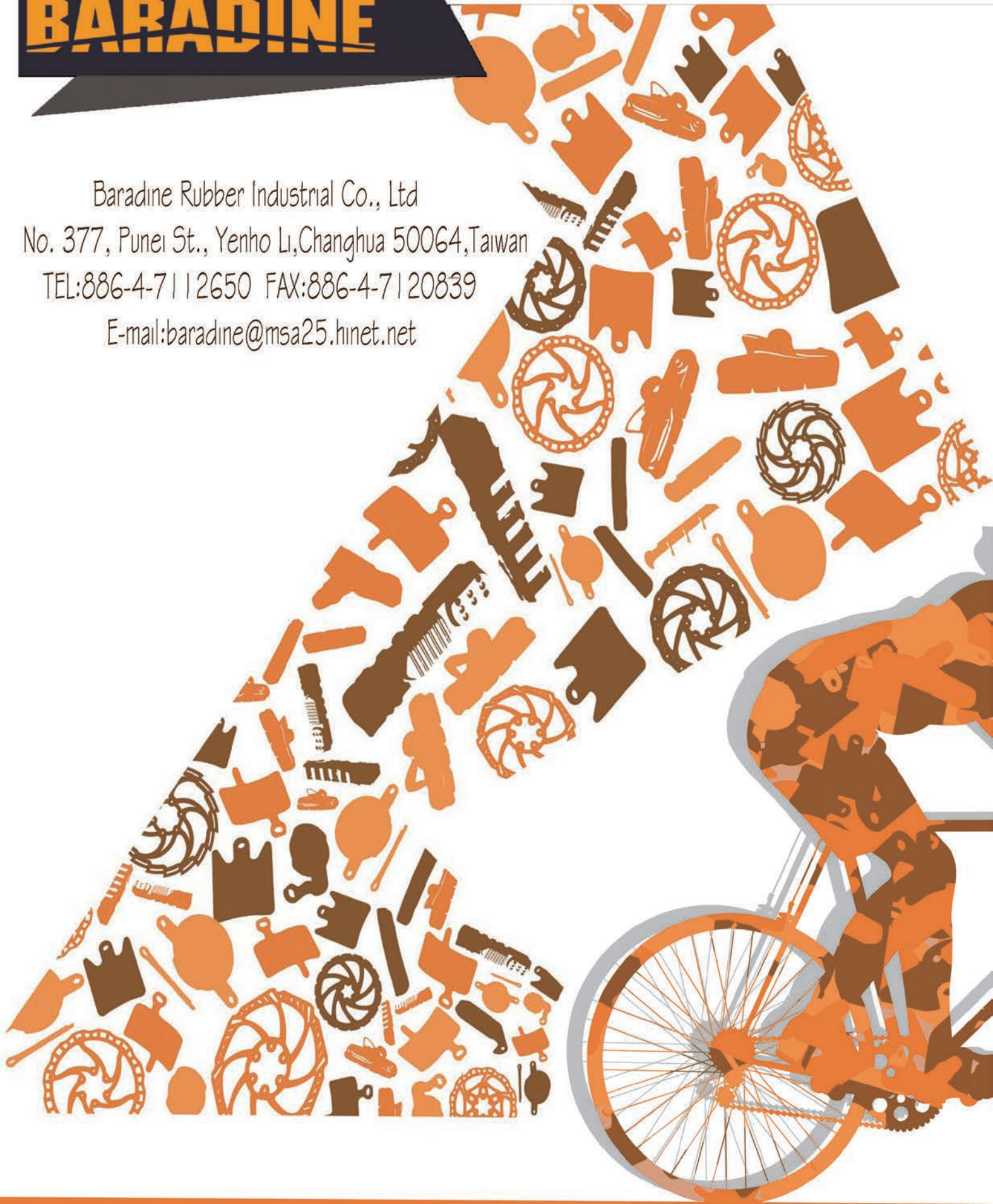
Furthermore, MB300's breakthrough design finally solves the issue of rotor deformation caused by traditional unilateral action. The dual-sided design gives this brake multiple advantages over its competitors. Plus, MB300 is suitable for any levers on the market and one of the best performing on the world.



Bengal Performance Brake Systems
sales@bengalperformance.com.tw
www.bengalperformance.com.tw

BARADINE

Baradine Rubber Industrial Co., Ltd
No. 377, Punei St., Yenho Li, Changhua 50064, Taiwan
TEL:886-4-7112650 FAX:886-4-7120839
E-mail:baradine@msa25.hinet.net



ALLIGATOR[®]

LIU YIH CABLE ENT. CO., LTD.
WWW.ALLIGATORCABLES.COM
AUTOMOTIVE ISO/TS 16949 | CYCLE ISO 9001 CERTIFIED
EuroBike A5-204



MADE IN TAIWAN



ENGINEERED AND MARKETING IN GERMANY



DESIGNED IN ITALY



GOOD
IS NOT GOOD ENOUGH
FOR US !



www.marstone-cable.com

CIAN FA PIPE INDUSTRY CO., LTD.

No.4, Ln. 104, Lixin St., Dali Dist., Taichung City 41250, Taiwan

Tel : +886-4-2278 5526 Fax : +886-4-2278 6961

E-mail : sales@marstone-cable.com / scott@marstone-cable.com

TAIFA CO., LTD.

Lot No. 77B,B Rd., Linh Trung Export Processing Zone II Binh

Chieu Ward. Thu Duc District. Ho Chi Minh City Vietnam

Tel: +84 8 3729 2838 / 39 Fax: +84 8 3729 2840



CABLE HOUSING & WIRE



Inner Wires



For More Information About Our Products,
Please E-mail To YZ.

Please E-mail To YZ For Further Request.

www.YZcable.com.tw

YI ZHAN CABLE CO., LTD.

TEL: 886- 4 -7376146 / FAX: 886- 4 -7386257

E-mail: yizhan.cable@msa.hinet.net

YZcable@yzcable.com.tw

2019 Taipei Show Changes Back to March

Text & Photo: Editorial Dept.



▲ TAITRA President and CEO, Walter M.S. Yeh and TBA Secretary General, Gina Chang held a press conference to announce that Taipei Cycle Show dates were being changed back to March, starting from next year.

After many years of deliberation, this year will be the first in which Taipei Cycle Show will be held on its new dates in October. However, even though this year's exhibition has not even been held yet, many companies feel that there is now no truly global bicycle show in the first half of the year. This has led to lost business opportunities, as many buyers who would have come to Taiwan for procurement

have switched to China Cycle Show at the beginning of May. Therefore, Taiwan Bicycle Association's (TBA) directors and supervisor suggested that TAITRA change the exhibition time back to March.

TAITRA said that Taipei Cycle Show's date will be adjusted to the needs of the Taiwan bike industry and the international situation. Due to the booth space involved and promotional

planning, it would take time for coordination and communication. For the next three years (2019-2021) Taipei International Cycle Show will be held in March. As there is only four months between the end of this year's show and next March, TAITRA will start related operations in the near future to consolidate the Taipei Cycle show as the first professional international bike exhibition in Asia. 

With backing from Japanese electrical product manufacturer Nidec

Honey Hope Honesty solves motor problems

Text & Photos: Editorial Dept.



▲ Honey Hope Honesty GM Tomas Lin (left) and sales manager Jerry Huang (right) have high hopes for the e-bike market.

In view of the promise of the e-bike market, the passive element agent Honey Hope Honesty has set its sights on the American and European markets for e-bike motor system, is promoting Nidec motor components, and is engaging in cooperative development with several e-bike assembly companies.

Honey Hope Honesty is the Taiwan agent for Japan electrical product manufacturer Nidec, and had sales of NT\$5.04 billion in 2017. Honey Hope Honesty chiefly sells multi-layer ceramic capacitors (MLCCs) and

inductors, which are widely used in 3C products. Honey Hope Honesty now hopes to enter the bicycle industry and use Nidec's electrical elements in e-bikes, as well as existing applications in devices such as phones and

computers.

E-bike producers require a supply of already-assembled motors to be paired with frames and motor systems. However, the majority of e-bike assembly plants are unfamiliar with motors, and

most have no motor specialists. As a result, these companies frequently encounter bottlenecks when manufacturing e-bikes. Because these companies are in dire need of motor supplies and technicians, Honey Hope Honesty seeks to provide motor systems with integrated hardware, and cooperate with frame manufacturers in hopes that their complementary areas of specialization will let them collaborate better with assembly plants and foreign customers. This will ensure a win-win outcome by enabling Taiwan's frame manufacturers to obtain even more orders.

About Nidec

The Japanese electrical product maker Nidec formerly specialized in vehicle motors, key industrial robot components, and precision small motors. Nidec is the world's largest manufacturer of miniature precision motors, and ranked 591st on Forbes' list of the world's top 1,000 corporations in 2017. Nidec was founded in 1973 and has over 100,000 employees worldwide. Nidec holds a 50% share of the automotive power steering, with Bosch holding the remaining 50% share. Nidec recently acquired Whirlpool's Embraco compressor division. Nidec's subsidiary Sankyo has also acquired the US semiconductor wafer transport robot maker Genmark Automation.


According to Honey Hope Honesty, which is both a Nidec



▲ An e-MTB motor system with a 95Nm, 700W motor, equipped with an angle sensor, and offering excellent power and torque.

agent and integrator of Nidec products, e-bike assemblers were limited to only a few motor brands in the past, which severely cramped their profit margins. Nowadays, however, apart from Bosch and Shimano, assemblers also have other options. And although Nidec was late to enter the e-bike market, motors are among its most important products, and Japanese products have always been superior and trustworthy. Nidec's great strength is in motors, and Honey Hope Honesty can integrate Nidec's motors with other components. Honey Hope Honesty will use MIT products as a first priority for other system parts, and may also use some Japanese-made products.

The performance of Nidec's motors rivals that of motors made by any of the world's leaders, and they are entirely made in Japan. Apart from reliable quality, these motors do not face threats from any anti-dumping investigations.

The motor systems currently introduced by Honey Hope Honesty mainly target the e-MTB market, and the company is prepared to make adjustments to meet the technical and regulatory needs of individual countries and areas. It plans to introduce a hidden centrally-located motor system in 2019 for use in city bikes, small folding bikes, and road bikes. When the time comes, Honey Hope Honesty will meet the needs of even more types of e-bikes. 



CHING CHERN INDUSTRIAL CORP

No.147 , Chang Shui Rd., Sec.4, Hsihu Town,
Changhua County, Taiwan
Tel:886-4-8852429 Fax:886-4-8855419
E-mail:ching.chern@msa.hinet.net
www.chingchern.com.tw

New

CC#731 | For 36T,38T
Material : Steel (0.8mm)



New

CC#601-8 | For fit under 38T
Material : Alloy (1.5 mm)

Patent License

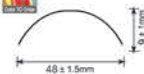
CC#103

Tire : 1 1/4-1 3/8, 700x28C-38C
Material : Alloy
Compatible with fender tail 803F



CC#939-48

Tire : 1.5-1.75, 700x35C-40C
Size : 12"-28"
Material : Alloy
Compatible with fender tail 803F or 803D or 803L



CC#939-55

Tire : 1.75x2.125, 700x40C
Size : 12"-28"
Material : Alloy
Compatible with fender tail 803E



Ching Chern



CHWAN YIH ENTERPRISE CO., LTD.

傳 益 企 業 有 限 公 司

No.72-8, Fang Line Lane, An Tung Village, Hsiu Shui Hsiang, Changhua Hsien 50445, Taiwan.

Tel: +886-47693617/7693618 Fax: +886-4-7697745

E-mail: chwan.yih@msa.hinet.net

Http://www.rearviewmirror.com.tw

www.twbikemirrors.com



chwanyih.imb2b.com

RUBIS® Foldable Carrier



RU-9188

ALLOY Seat Post Rear Rack
w/wings w/leg



RU-9327

Stainless Steel Tube Rack
Material: #304 Ø10x1.0 mm

RU-306CR

CR-MO steel rear rack



RU-9295

Stainless Steel Tube Rack
Material: #304 Ø10x1.0 mm

**LOONEY-MAX
ENTERPRISE CO.,LTD**

■ E-mail: rubis@ms17.hinet.net

■ Tel: 04-8811960, 8818282

■ Fax: 04-8857048

www.rubis.com.tw

BICYCLE TOOLS

**Essential torque wrench kit
1/4" driver, range: 2-10NM**

YC-637



NEW



NEW



YC-91



**E-bike Tool for
Bosch system**



YC-33BB

NEW

YC-34BB



**For Bosch
Classic line**

NEW

YC-38BB
2 in 1 E-bike wrench

**For Bosch
Active/Performance
line**

NEW



YC-635

**Torque Wrench Set
1/4" driver, 3-15NM**



YC-335CO-S



Patent



YC-200BH

**For both QR forks
and Thru-Axle forks**

YC-100BH



**Updated
system**

YC-758 **For Shimano use**



BIKE HAND

YE CHOU INDUSTRY CO., LTD.
TEL:886-4-7282177 FAX:886-4-7225763
yechou@ms29.hinet.net
www.bikehand.com



Bicycle Repair Kits - Practical, Quick, Clean & Easy to Use, an Essential Kit to Every Rider, Let You feel at Easy to Enjoy Riding in Journey.



THUMBS UP

YING PAIO ENTERPRISE CO., LTD.

No.480-2, Sec. 6 Yen-Ping N. Rd., Taipei 11175, Taiwan.

Tel: 886-2-28124515, 28124698 Fax: 886-2-28133016

E-Mail: yingpaio@ms17.hinet.net <http://www.yingpaio.com.tw>

STRETCH YOUR **ADVERTISING DOLLAR!**

The World's Only Source for Reaching the Serious Road and Mountain Enthusiast



Mountain Bike Action



Road Bike Action



Electric Bike Action

Download our FREE App



www.hi-torque.com

USA - Advertising Representative Robb Mesecher, email: robbm@hi-torque.com

Taiwan - Advertising Information Contact: Jean Huang, email: rep@mail.wheelgiant.com.tw

DISCOVER OUR WORLD OF CYCLING

Fotocredit: 1-7 Markus Greber / 8 Daniel Simon



Europe's No.1 Bicycle Magazines.



Delius Klasing Publishing | P.O. Box 10 16 73 | 81369 Munich | Germany | www.delius-klasing.de
 Marion Hellmann | Phone: (+49)8972960237 | E-mail: m.hellmann@delius-klasing.de



Capture the Biggest European Bicycle Market



Trade Journal and online services

- The topical and independent journal for the bicycle trade in Germany, Austria and Switzerland
- Every two weeks fast and important information for bike retailers, buyers and sales staff
- Daily issues at Eurobike
- Receives highest retailers' attention and the best value for the readers
- The most comprehensive online services for the German bicycle business

Get the maximum response for your advertising money

Visit our new homepage:
www.sazbike.de

For more information contact:

Taiwan & China:
Wheel Giant, Inc.
Mrs. Grace S. Ruan
Tel.: ++886-4-7360794/7350500
Fax: ++886-4-7357860
rep@mail.wheelgiant.com.tw
www.biketaiwan.com

SAZbike
Mr. Eric Wollenberg
Tel.: ++49-89-74117-612
Fax: ++49-89-74117-129
wollenberg@saz.de
www.sazbike.de



CFOSE 2019

India International Cycle, Fitness & Outdoor Sports Expo

INDIA'S NO.1 BIGCYCLE, FITNESS & SPORTS EXPO

1-2-3 MARCH-2019

PUNJAB AGRICULTURE UNIVERSITY FAIR GROUND,
LUDHIANA (INDIA)



CYCLE MODE[®] international 2018



TOKYO 9(Fri) • 10(Sat) • 11(Sun) November 2018
at MAKUHARI MESSE

**Book
your stand**

April 2018
START

The biggest professional & specialized
Cycle Show in **JAPAN**



contact information

Cycle Mode International Head Office

TVO EXPRO Ltd. 1-2-15, Otemae, Chuo-ku, Osaka 540-0008 Japan

Tel: +81-6-6947-0284 Fax: +81-6-6944-9912 E-mail: angela@mail.wheelgiant.com.tw

www.cyclemode.net

A&G

單車誌 Cycling Update



The No. 1 Publication
for Brand Exposure
in China, Hong Kong,
and Taiwan.



Smart Pad App available now!



輪彥國際有限公司
WHEEL GIANT INC.
軟實力傳媒有限公司
Soft Power Media Co., Ltd.

No. 193, Tzu-Chiang Rd., Changhua 50095, Changhua, Taiwan
Tel: 886-4-7350500, 7360794~5 Fax: 886-4-7357860

E-mail: cycling@mail.wheelgiant.com.tw www.cycling-update.info

Shanghai Tel: 86-512-57515789
Ningbo Tel: 86-574-88210669

Tianjin Tel: 86-22-28137963
Shenzhen Tel: 86-755-28069189

TOTAL SUPPORT



Taiwan Bicycle Source (TBS)

TBS is the comprehensive purchaser's guide to the Taiwan bicycle industry. It's leaner and meaner, with a unique icon index. We cater to your needs with information in all formats. TBS is also available as an online catalog and a mobile app.

Wheel Giant - Total Support For Your Information Needs!

Bike Market Update (BMU)

BMU provides industry information and market news from Taiwan, Mainland China, and Asia. Published in English twice a year and bimonthly in Chinese, BMU brings you the most thorough reports and information on the business hotspots of the world.



Cycling Update (Traditional) for the Taiwan market & Bicycling (Simplified) for the China market

Aimed at the cycling public and consumer bicycle market in the Greater China region, this multifaceted consumer magazine features bicycle repair DIY, health features, competition activities, profiles of ultimate bicycles, and more. It is currently the only consumer marketing tool of its kind in the Greater China area.



Outside

Wheel Giant's *Outside* magazine promotes health, environmental protection, recreation, and co-existence with nature. Articles and tips in *Outside* help readers boost exploration skills and broaden their outdoor living perspectives. Content includes information on mountaineering, rock climbing, camping, river tracing, fishing, bike exploration, kayaking, orienteering, caving, and so much more.

Official Chinese Guide to the Tour de France

Wheel Giant publishes the only authorized Chinese-language version of the *Official Guide to the Tour de France*. This lavishly-illustrated publication features extensive information and penetrating analysis, and has become indispensable for Chinese-speaking fans worldwide. Content includes routes and details of each stage, degrees of difficulty, strength comparisons of the competing riders, team strategies, and analysis of yellow jersey winners.





China Bicycle & E-Bike Top Suppliers (CBES)

Opening up China's bike industry for international business, CBES is a full directory of products and contact details, making it easy to get in touch with potential suppliers and manufacturers.

<http://www.bikenews.online>

The Wheel Giant website provides 24-hour international access to our comprehensive database of over 20,000 items and 1,700 manufacturers in the Taiwanese bicycle industry. Make your sourcing easier and more efficient.



Order Form

Please send me the following publications (shipping included):

- TBS US\$80 CBES US\$40 BMU (2 issues/year) US\$40
- Cycling Update (6 issues/year) US\$100 Bicycling (6 issues/year) US\$100
- Outside (4 issues/year) US\$100 Official Tour de France Guide US\$20

Please type or print clearly

(First Name)	(Last Name)
Name: _____	
Position: _____	
Company Name: _____	
Address: _____	
City/State: _____	Postal Code: _____
Country: _____	
Tel: _____	Fax: _____
Website: _____	
E-mail: _____	
Signature: _____	Date: _____

Your company's business:

- Manufacturer
- Importer
- Wholesaler
- Distributor
- Dealer
- Chain Store
- Other. Please specify: _____

Please charge my Visa Mastercard JCB

Name on card _____

Card number _____ Security code _____

Signature _____ Exp. Date _____ Date _____

E-mail or Fax to:



No. 193, Tzu-Chiang Rd., Changhua 50095, Taiwan
 Tel: 886-4-7350500, 7360794~5 Fax: 886-4-7357860
 E-mail: rep@mail.wheelgiant.com.tw Website: www.bikenews.online

bikenews_online

For Those Who Want to Keep Up With the Race.

www.bikenews.online features the newest and most important information on the bicycle industry. It covers the latest bike industry and market trends, as well as upcoming events and new products. In the fast-moving and competitive world of cycling, visit us to remain ahead of the race.



What's New

Latest news from global bike markets

TBS

Taiwan Bicycle Source 2018-2019 + Search Engine

eBook Download

TBS & CBES & BMU

Bike & E-Bike Market Update (BMU)

CBES

China Bicycle & E-Bike Top Suppliers 2018-2019

Free e-newsletter



輪彥國際有限公司
WHEEL GIANT INC.
軟實力傳媒有限公司
Soft Power Media Co., Ltd.

No. 193, Tzu-Chiang Rd., Changhua 50095, Changhua, Taiwan
Tel: 886-4-7350500, 7360794~5 Fax: 886-4-7357860
E-mail: rep@mail.wheelgiant.com.tw Website: www.bikenews.online
Shanghai Tel: 86-512-57515789 Tianjin Tel: 86-22-28137963
Ningbo Tel: 86-574-88210669 Shenzhen Tel: 86-755-28069189



Taiwan Bicycle Source

By combining the dedicated and experienced service of Wheel Giant, along with the confidence of Taiwan's manufacturers, TBS continues to support and aid the future of the global bike industry.



Downloadable E-book

DVD

Full Guide

Pocket Issue

Smart Pad App

Smart Phone App

The Seven-in-One TBS

- ◆ The Number 1 Global Sourcing Tool
- ◆ The most comprehensive product assortment
- ◆ The highest rate of use by the industry
- ◆ The highest buyer request rate
- ◆ The highest actual circulation



Central & Eastern Europe's biggest B2B
CONTRACTING expo



International Fair
of Bicycle Industry

KIELCE BIKE EXPO

www.bike-expo.targikielce.pl

13-15.09.2018


Kielce, Poland



Lviv Bike-Expo

International
Bicycle-Expo
27-29.09.2018
Lviv, Ukraine
www.bike-lwow.targikielce.pl

The Fair is accompanied with:



KIELCE BIKE-EXPO MARATON

ORGANISERS:



Polish Bicycle Industry Association



Targi Kielce

exhibition & congress centre

Cooperation:



Media patronage:



neco



TAIWAN / SHUNDE / JURONGTIANWANG / TIANJIN

**Rove (Neco3-1+Neco4+Rectifier)
Dynamo Hub Power
Generator-UPS System**



NECO3-1



1. Dust Cover
2. Battery
3. Charger
4. Compression Plug

DC Electric Transmit Wire

Electric Rectifier

AC Electric Transmit Wire



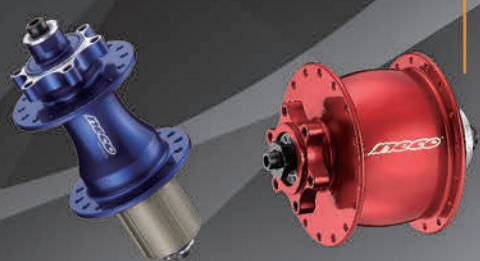
NECO4

Patent No.China : 5257748
5Vx2A=10W
Global Maximum Bicycle
Dynamo Generator



NECO 1

Intelligent Hidden Wire Headset
NECO1 Patent No. China: 4118628/Taiwan: M497135



NECO 3

Intelligent Portable Charger
NECO3 Patent No.Taiwan: M509473/Germany: 202015104197



NECO 5

Manual Pedals
Patent No Taiwan: 105211964
China: 201620848170X



www.necoparts.com TEL: +886-4-2332-3966

TAIPEI CYCLE

Oct. 31 - Nov. 3, 2018



A New Worldview
On Cycling



Visit us on website:

Taipeicycle.com.tw

Organizer:



richmond
The Lightweight Bicycle

**LIGHTWEIGHT=FAST
CARBONFIBER
ELEGANTDESIGN
FITRIGHT**



**Richmond Bicycles
Suzico Limited**

E-mail : office@suzico.com.tw
[Http://www.richmond-bikes.com](http://www.richmond-bikes.com)

CONTACT

PLEASE ASK US QUESTIONS Anything on your mind, please send e-mail here

EUROBIKE SHOW 2018 Please visit our booth Halle **A5-208**

TAIPEI CYCLE SHOW 2018 Please visit our booth **#K-0629**

- Top Range Bicycles
- Parts Accessories
- Technology



ENGINEERING DESIGN INNOVATION

www.accord.com.tw



ACC-BF03

- 20 inch minivelo frame
- Designed for belt drive
- Easy installation and maintenance
- 4130 Cr-Mo double butted tubing
- Eccentric BB



ACC-EF801

- Hardtail 27.5 Plus Mountain frame for E8000 system
- Light weight motor shell
- 4130 Cr-Mo double butted tubing
- 148 x 12mm thru-axle
- 1-1/8" to 1-1/2" tapered headtube



10F-1, 380, Fu Hsing S. Rd., Sec. 1, Taipei city, Taiwan
Tel: 02-27069019 & 27030549 Fax: 02-2755-7180 & 2755-1794
E-mail: info@accord.com.tw Website://www.accord.com.tw



research
resell
reserve
reshape
resilient
resistant
resolve
resonate
resort
resource
respect
respond
restack
restage
restart
restate
restore
restring
retag
retail
retouch
retrain
retrieve
retrofit
return
reunify
revitalize
reveal
revision
revive
rewind
rework

SOURCE

at *Interbike*

SOURCE at Interbike is a one-stop resource for importers, distributors, product managers and sourcing professionals to connect and source directly with manufacturers from around the world.

Interbike is the largest bicycle industry trade show in North America and is now the starting point for your OEM conversations.

SOURCE at Interbike is a new exhibit and meeting area dedicated to sourcing conversations between component and accessory manufacturers with product managers and distributors.

Manufacturers and suppliers that are specifically focused on securing OEM spec or international distribution are invited to be a part of **SOURCE at Interbike** and meet face-to-face with the extensive Interbike audience.

There is no better place or time to source for new suppliers and products and make the best buying decisions for your business.

interbike[®]
MARKETWEEK

Reno-Sparks Convention Center | Reno, NV
September 18th – 20th

Interbike.com/source

DOWN TO EARTH



LEV SI

*MODERATELY PRICED WITH ALL THE
FEATURES OF HIGHER END DROPPERS*



LEV INTEGRA

*THE INTERNALLY ROUTED WORKHORSE
THAT DEFINED A CATEGORY*



LEV VC

*CARBON, TITANIUM AND
NO COMPROMISES*


red dot award 2018
winner

KSS
WWW.KSSUSPENSION.COM

**LEV FAMILY
OF DROPPER POSTS**



CHIN HAUR

HEAD SET / B.B. SET / HUBS /

www.chinhour.com.tw

SINCE 1948

2018 EUROBIKE (Friedrichshafen) - A4, 427
Taichung Bike Week OEM Event - Evergreen Hotel - B2, A24



TAIWAN 清豪工業

CHIN HAUR IND. CO., LTD.

NO.85, JIANGSHAN RD., DALIAO DIST.,
 KAOHSIUNG CITY 83141,
 TAIWAN

TEL : (886-7) 7011621~5

FAX : (886-7) 7023608

E-mail : chinhour@ms7.hinet.net

CHINA 清豪精密 (深圳)

CHINHAUR PRECISION INDUSTRY
 (SHENZHEN) CO., LTD.

3 RD., INDUSTRIAL, DAWANGSHAN VILLAGE,
 SHAJING TOWN,
 BAOAN COUNTY, SHENZHEN, P.R.CHINA

TEL : (86-755) 27225112~3

FAX : (86-755) 27225109

E-mail : chinhour_cn@163.com

INDONESIA

P. T. CHIN HAUR INDONESIA

JL. RAYA CURUG KM.2. KP. CISEREH, DS.
 KADUJAYA, KEC.
 CURUG, TANGERANG 15810, INDONESIA

TEL : (62-21) 5981571~3

FAX : (62-21) 5980236

E-mail : chi@centrin.net.id

CRISP



DIRTJUMP

MODEL NAME : CRISP
 AVAILABLE COLOR :
 BLACK / GREY
 F : 15 X 100 / 20 X 110
 R : 10 X 135 / 12 X 142
 2,105 GRAMS/PAIR



E-MTB

D791SB-B15

WEIGHT 154G
 SEAL BEARING 2
 SPOKE HOLES 28/32/36
 GAUGE 14
 O.L.D 100MM
 AXLE 15MM
 P.C.D 58/45MM
 F.T.F 71.5MM
 OFFSET 7.2MM



D162SB-SL-B12

WEIGHT SRAM425G 11S-457G
 SEAL BEARING 2
 SPOKE HOLES 28/32
 GAUGE 14
 O.L.D 148MM
 AXLE 12MM
 P.C.D 58/58MM
 F.T.F 62.7MM
 OFFSET 7.5MM
 PAWLS 5



WWW.NOVA TECH WHEELS.COM

KENDA

SINCE 1962 TIRES

REGOLITH K1214


BE VERSATRAIL

REGOLITH Pro SCT

The Kenda Regolith is an all-new all-round mountain bike tire developed to set a new benchmark in versatility.

It's the perfect choice for people who want to ride a single tire that excels in many aspects.

- New dual tread compound - fast rolling center compound and good gripping shoulder compound.
- Available for E-mountain bikes with ECE-R75 certification

 KendaEUROPE
KendaTiresUSA

bicycle.kendatire.com

