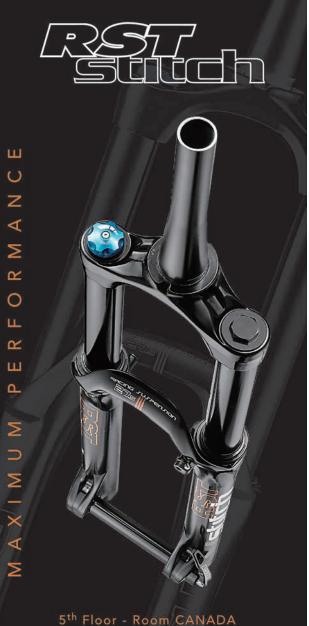
# October 19, 2017

www.taichungbikeweek.com





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2017 TBW THE SPLENDOR HOTEL **BOOTH NO. 1123** 





NEW Rove 5Vx3A=15W Dynamo Hub Power Generator-UPS System



共享单车专用BB轴心 (可月供250万组)





Thursday, October 19, 2017

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## **Prologo's Latest Saddles**

roglogo is introducing its range of innovative road and off-road saddles. Among the company's latest off-road saddles is the CPC Airing range. Featuring a unique hexagonal 3D design that is raised slightly from the saddle cover, this textured surface serves three main functions. It serves to relieve pressure and absorb some vibrations from the road surface. The raised surface also allows for air to flow between rider and saddle. giving cyclists a cooler ride. Additionally, the surface also increases grip, serving an antislip function. There are three main models in the range: The Scratch X8 with a round shape, suitable for riders with reduced lumbar flexibility or for medium-long ride distances, the Xzero with a flat shape,

suitable for higher performance and riders with greater lumbar flexibility, and the Nago X10 with a semi-round shape, suitable for all types of riding and rider flexibility.

For road bikes, Prologo latest offerings include the Dimension range, which gets its name from a new way of looking at saddle sizing to ensure both comfort and performance. At 245mm in length, Prologo's Dimension saddles are shorter than traditional saddles, and with a width of 143mm, also slightly wider. This helps to eliminate contact and pressure at the front of the saddle, especially while riders are on the drops in a maximum pushing phase. A central channel relieves pressure on the soft tissues and tendons of the prostate area, which reduces numbness and prostate



riders to be using Prologo saddles next year



▲ Prologo CPC Airing range features a 3D textured hexaganol surface.

prologó

problems. The Dimension is available in a choice of rails, with the carbon rail version weighing just 149 grams.

Prologo is already the saddle of choice for many World Tour Pro riders, however next year, Brand Manager, Salvatore Truglio expects this number to increase substantially not through sponsorship, but with riders choosing to ride on Prologo saddles. WG

## **Buchel Make Most of German Regulations Changes**

uchel is a company with a long history of manufacturing, both for the bicycle and the automobile industries. Founded in 1920, today the company has five manufacturing facilities, and a total of 270 employees in Germany



alone. In addition to this, Buchel has a further two plants in Europe—in Belgium and Italy, and has three joint-venture companies in China. Manufacturing products in steel, alloy and plastic, the company's bicycle product line-up focuses mainly on lights, reflectors, spokes, rims and fenders.

At this year's Taichung Bike Week, the Buchel team are introducing some of the company's latest innovations to customers. These include its Hi-Beam bicycle light, developed in response to the changes introduced by Germany's K approval certification earlier this summer. One of those changes was to allow for bicycle lights to offer both high and low beams, as found on cars. Buchel Hi-Beam light has three levels of intensity. Low light, riding light and high



▲ Buchel's Hans-Wilhelm Minner and Buchel Vitali Tissen hold a carrier equipped with the company's

beam are all controlled from a switch mounted on the handlebars.

Another change to the K regulations is that tail lights are now allowed to feature a brake light. Buchel are addressing this with two new tail lights— Broadway and Tivoli. Both lights utilize a motion sensor, which detects when the bike stops moving and thus increases the light's intensity.

Buchel is introducing its entire product range to customers in the Splendor hotel Booth 1378.**₩WG**

## Monkey Link's User-Friendly Mounting Solution

t the Evergreen hotel, the German brand Monkey Link is showcasing its Eurobike Award Winning system for connecting lights, fenders and other accessories to bicycles.

The Monkey Link System is a unique method for attaching lights, fenders or other accessories onto a port on a bicycle. The system offers several innovative and unique features. Accessories can be quickly and simply guided into their correct position on the port by magnets, where they are automatically held in place by a mechanical lock. Additionally, an electrical connection on the port serves as an interface. allowing devices to be recharged and controlled from a display. Components can be conveniently removed by pressing a release button.

The system impressed judges at the Eurobike Awards enough for them to comment "We find Monkey Link is a brilliant concept for attaching lights or mudguards to a pedelec. The magnetic fastening makes the system easy to use and guarantees the energy supply from the e-bike battery."

Developed in cooperation with Fidlock, SKS and Comus, Monkey Link have a range of lights and fenders with integrated lights, as well as other accessories including bottle cages. While Monkey Link have battery operated,

rechargeable lights for non-power assisted bikes, the system is also well-suited for eMTBs, offering a user-friendly, hard-wired mounting solution for lights, fenders and other accessories.

Monkey Link is presenting its system and products at the Evergreen hotel – L5.**⊕WG** 



▲ Chief Technical Officer, Soren Munle and Chief Commercial Officer, Alexander de Ponte



lacktriangle Monkey Link have developed fenders, lights and other accessories for its system.



▲ Magnets guide Monkey Link accessories effortlessly onto the ports.



▲Once in position, an electrical connection is made and the accessory is mechanically locked

## **Quaxar Dissipating Heat**

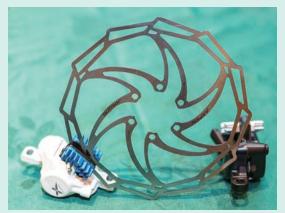
Quaxar is introducing several of its latest product innovations in its booth on the 13th Floor of the Evergreen hotel. Among these are its Air Finn disc brake pads, which feature a removable heat sink. The heat sink's spikes serve to dissipate heat efficiently, and when the pads wear down, riders can quickly and simply remove the heat sink and install it on new pads. The pads are

made from a carbon metallic compound, which further serves to manage excessive heat, giving the pads longer life. Quaxar's Air Finn pads are available with silver, blue, red, gold and black heat sinks.

The company has additionally launched a new rotor – Aspen. Featuring a larger number of cutout areas than normal, the rotor is understandably exceptionally

lightweight, at just 78 grams (160mm). The increased cutout area also serves to increase airflow over the rotor, allowing it to dissipate heat faster. The rotor is compatible with standard six point mounting systems, and an adapter is available for center locking mounts.

Founded by Harry Hsu in 2011, Quaxar is presenting its latest products in Booth 1351 of the Evergreen Hotel. WG



▲ Quaxar's lightweight Aspen rotor.



▲ Quaxar's Air Finn pads feature removable heat sinks

## **Tektro / TRP Premiere eMTB Disc Brake**



▲Tektro General Manager, Leo Chen and TRP Marketing Assitant, Cody Phillips with the company's new eMTB-specific disc brake.

our-piston brakes have long been the brake of choice for downhill racing. As e-bikes have grown in popularity, customers have found that the added weight and speed requires four-piston braking power. Tektro has continued

working with pro downhill racer Aaron Gwin, and several other world class downhill athletes, to expand its new model line-up of four-piston brakes with 5 new models for MTB and e-bikes. The expanded line also offers several quad-piston brakes at very competitive OEM price points. These products offer superior performance and improved safety for customers in the widest price range possible.

At the entry-level, Tektro's HD-M745 offers a wide variety of features. Prime among these is that it is a quad-piston hydraulic system, offering high powered and controlled braking. The lightweight 180mm rotor offers both greater heat tolerance and higher heat dispersion through increased airflow. As with other Tektro disc brakes, the HD-M745 system uses non-corrosive mineral oil with excellent heat-expansion properties.

On the high end side for

MY2019 TRP are offering the HD-E840-2. This is one of the first, if not the first, brake to be designed from the ground up for eMTBs. The heart of the brake system is a four-piston caliper body that features a top-loading pad system, allowing riders to install or remove pads without the need to pick up a heavy eMTB bike. The use of full-metallic sintered pads offer both better performance and

increased pad life. Additionally, Tektro/TRP has increased the thickness of the rotor to 2.3mm (previously 1.8mm), giving it a 15% deformation reduction. A motor cutout cable is optionally available for the lever.

The Tektro & TRP teams are presenting this eMTB specific disc brake, along with the rest of their extensive range, in the Amber Room of the Evergreen Hotel. WG



▲ Tektro's HD-M745 entry-level, quad-piston disc brake.



▲ Tektro / TRP's HD-E840-2 eMTB disc brake.

## **Vee Tire Catch The Growth of Plus-Sizing**

or bicycle tire manufacturers, the development of tires revolves not only around wheel diameters but also tire width. After fatbikes – with their extra large volume tires – were born, they quickly became accepted as a common item, not only for use in snowy terrain. Aiming to be at



▲ Vee Tire's Flow Snap 29x2.6.

the forefront of tire development, Vee Tire Co has successfully introduced several fat tires into the market. Then, three years ago, they pushed another boundary with the introduction of plus-sized tires, from 2.6 inches up to 3.2 inches in width.

To meet the trends in the bicycle industry, Vee Tire looked at the development of plus-sizing in two categories: bikepacking and trail riding, each with different requirements and goals, while at same time, making use the increased control offered by plussized tires for use on e-bikes.

"We are believers of plus size, as this size offers more air volume and better traction, so common riders will gain better comfort on the trail and great confidence to conquer various conditions," said Veerawat

Sukanjanapong, Brand Manager of Vee Tire Co.

In its plus-sized category, Vee Tire has six different tire threads for wheel sizes of 26", 27.5" and 29", which can be chosen by customers in widths of 2.6", 2.8", 3.0" and 3.25", for a total of 24 options in plus-size to meet every requirement.

For Taichung Bike Week 2017, Vee Tire is positioning its Crown Gem 29x2.6 and Flow Snap 29x2.6 as highlights to match with OEM demands for plus-sizing, offering tires with great rim compatibility and good mud clearance in the rear triangle and fork arch. For product managers, it will be a good chance to try plussized tires without needing much effort to revise frame design.

Both the Crown Gem and Flow Snap meet with European



▲ Brand Director, Bike Sukanjanapong presents

Vee Tire's Crown Gem tire.

Standard EN 15194 for electric bikes with speeds up to 25 km/h or equipped with 250 watt electric motors. **WG** 



## FULL PASSION WITH TECHNOLOGY

Tequila Series 35mm















**2017.10.17-20** Tempus Hotel Room No.1150-1151



### **Zoom Rolls Out New E-Bike Parts**

#### Teguila Plus

Zoom has added to the Tequila Plus series, derived from its original Tequila series, with the introduction of handlebars aimed at e-MTBs. The safety testing standards used for these handlebars have been raised from ISO 4210 MTB to DIN Plus. The handlebars offer enough strength to meet the toughest challenges, and give cyclists an extra safeguard. The central tube has a diameter of 35mm, and the handlebars are available in 740mm, 760mm, 780mm, and 800mm widths. Rise heights of 6mm, 12mm, and 20mm are provided. To ensure an even better overall control system, the Zoom is also introducing a new e-MTB stem in its Tequila Plus series. In view of the fact that e-MTBs often use larger and wider tires, or have longer shock absorber travel, making the bike as a whole higher, in order to allow cyclists to have a higher posture, Zoom's stem has a -12° angle. This slight correction ensures an appropriate riding height and greater power when climbing.

#### Front Fork for Women and Teenagers

Zoom has shown itself to be a trend-setter by designing a suspension fork especially for women and teenagers. The 730 fork has a double-crown design, and is suitable for front-wheel drive e-bikes. The fork is compatible with V-brakes, disc brakes, and drum brakes, and is available in 20", 24", and 28" (700C) specifications. The 106 fork has a single-crown design, and is suitable for centrally-mounted and rear-wheel drive electric motors. The fork is compatible with V-brakes and disc brakes, and is available in 700C and 20" specifications. The 525 is a high-end aluminum alloy suspension fork available in 20" and 24" specifications, and it offers lock-out and preload functions. **\*WG** 



▲ The Tequila Plus stem employs -12° design



▲ The Tequila Plus handlebar meets DIN Plus standards, and offers enough strength to handle



▲Zoom's 106 single-crown fork (left) is suitable for centrally-mounted and rear-wheel drive electric motors; the 730 double-crown fork (right) is suitable for front-wheel drive e-bikes.



▲ The 525 fork is a high-end aluminum alloy suspension fork, and boasts lock-out and preload functions.





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G80 is a completely new concept in gravel bikes, utilizing a rear and front suspension system. An extremely efficient 80mm front and rear suspension system reduces vibration and brings the maximum speed and reduced fatigue during endurance gravel road riding. While being faster on the dirt the bike is also great on the roads sprinting and cornering not unlike its full road bike family roots.

## Velo Introduce Three New Innovative Products

elo has been designing superior saddles, grips and handlebar tapes for the past thirty years. The company aims to provide high-quality products for demanding cyclists, while catering to the individual needs and tastes of each rider. The company continues this tradition of providing excellent products tailored to individual customers with the launch of these three new products: an e-bike saddle, a wing bow and a Microtech grip.

#### E-bike saddle

There is no doubt that e-bikes are the most trendy products in the bike industry. With e-biker's needs in mind, Velo has designed an e-MTB saddle for this market. This saddle features a reversed Arc-tech

design which adjusts seating positions while enabling faster pedaling. It also uses Velo's latest atoms shaping technology. Not only is the saddle easy to clean after riding but, even more importantly, it provides rare side protection to prevent the saddle cover from getting scratched.



▲ E-bike saddle

#### Wing Bow

Designed for the sports and recreational rider, Wing Bow adds support to the saddles. Utilizing a bow-shaped structure that sits under the base, it eliminates discomfort while riding. The bow structure works perfectly for flex padding. The saddle



is intended for a variety of users, ranging from traditional recreational and commuting cyclists, to e-bike riders, who are likely to encounter road damage and other hazards at higher speeds.

#### The Microtech grip

Microtech technology is a new manufacturing process which creates detailed texturing on grips. It increases friction and grip for the user in wet and sweaty conditions. The detailing on the grips will be especially useful for e-bike riders, who often times stay seated during accelerations, and require extra grip through their fingertips to keep control of the bicycle at higher speeds. The extra tactile feedback will be instantly noticeable to the rider. WG



▲ The Microtech grip



## **Pedotec Present e-Pedals**



▲ Pedotec's President, Lee Sun Fa introduces the company's latest e-Pedal range.

eddotec is presenting its e-Pedal range during TBW. The e-Pedals has a cadence sensor that transmits data to a cycling computer. As communication is via ANT+ or Bluetooth 4.0 protocols riders are able to view transmitted cadence on smartphones and other devices. Pedotec have also developed an app

There are five pedals in the e-Pedal series including the Formula RP-M2CS and Formula RP-M3 which utilize a cleat system. The Formula RP-M1, RP-M2 and RP-M2C all platform bases with pins. \*WG



#### www.lasco.com.tw Email/ lunge@lasco.com.tw Tel: +886 4 2271 2969

## **Ashima E-Bike** Brake Pads

which can be used.

ith the growth of the e-bike market, Ashima have put much consideration into parts for these bikes, and have developed its new AL1 material for brake pads. The company claims the material is suitable for all weather conditions. offering a 25% increase in stopping power under both wet and dry conditions. Additionally, durability has been increased by

Ashima have also developed a compound for e-bikes with disc brakes. It claims that this compound offers a 35% increase in stopping power under both wet and dry conditions, and also a 25% increase in durability.



▲ Ashima's e-bike brake pads.

## Bitex Develop MTB Boost Hubs

itex's has developed its a Boost specification MTB hubs 11-speed bikes, its BX402. The weight of the front hub is 179.7g, and the rear hub is 286g. Within the hub, a 6-pawl design makes acceleration from a stopped position more efficient. The rear hub also features an anti-bite design.

Bitex's hubs use straight-line spokes, and are available in a variety of colors.

Another model, the BX212 for MTBs, which has also met Boost specifications, is compatible with Shimano disc systems, and weighs in at 400g. WG

## **Chosen TC Structural Hub**

hosen TC's new hub employs interlocking serrated teeth in its design, eliminating the gaps between the teeth and improving pedaling efficiency. The overall structural rigidity is excellent. The hub can be applied to MTBs with Boost specifications, and to road bikes.

高齿的链条切入角更小,减少链条与

齿片摩擦。更顺畅更安静的传动。



2017:

金典酒店-1106&1106-1





WHEEL TOP



## Bijumo's Callisto Mechanical Dual-**Activated Disc Brake System**

he calipers on Bijumo's Callisto dual activated disc brake system have been made thinner than in previous systems, and feature a rotating lever, allowing for smoother motion and return. Unlike other brake systems, the shoes can be replaced without the need to remove the entire brake assembly, increasing convenience of maintenance. The body of the brake has been forged. The system has passed SPS testing, as well as Bijumo's own independent push-pull test, involving 300,000 activations without breakdown, proving that the system can withstand tensile forces of up to 800kg. ₩ WG



▲ Bijumo's Callisto Mechanical Dual-Activated Disc Brake System



### **ADK Carbon Fiber E-Bike Frames**

DK is introducing its new line-up of carbon fiber e-bike frames, with both battery and motor integrated into the frame design to enhance its clean appearance and ergonomics. The use of carbon fiber material elements gives the tubes a streamlined look, and take into account the current trend to pursue both rigidity and light weight. Currently, ADK have launched four carbon fiber e-MTB frames, two for Shimano and two for Continental drive systems, and in the future, the company will launch an e-Road frame. WG



▲ ADK are introducing four carbon fiber e-MTB frames for Shimano & Continental drive system



▲ The downtube is designed for battery integration, to give the frames greater aesthetic appeal

## MTB RACE 2X11S CLAW-581-TT

#### FEATURES.

- \*AN ALL NEW RUGGED AND CONTEMPORARY CRANK DESIGN
- \*EFFICIENT AND ROBUST DRIVE SYSTEM ON ROUGH TERRAIN







#### PW-BB73+

BB SHELL WIDTH: 68/73MM FOR MTB BB MODEL NO: PW-BB73+ BB COMPATIBILITY: BC.1.37" X24T BB CUPS WITH Ø24MM SPINDLE BEARING CUP: ALLOY, FORGED AND CNC MACH., EXTERNAL BLACK ANO. CUPS WITH LASER LOGO CENTER SLEEVE: PLASTIC BLACK



#### PW-BB92

BB SHELL WIDTH: 89.5/92MM FOR MTB BB MODEL NO: PW-BB92 BB COMPATIBILITY: WITH Ø24MM SPINDLE BEARING CUP: PA+GF BLACK, INJECTION CENTER SLEEVE: PLASTIC, BLACK

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## Kenda's Helltour RST Re-Enter the **Downhill Tire Series E-Generation**



▲ The Hellkat and Helldiver downhill tires.

#### sing its Advanced Gravity Casing (AGC) technology, Kenda has developed its Helltour series tires for downhill bikes. Featuring a dual layer iron cloak belt for extra grip and control, the tire also boasts superior cut and puncture resistance. This technology has also enabled Kenda to reduce the weight by up to 200 grams compared to traditional downhill casings. Kenda recommends the Hellkat for front tires and its Helldiver for rear tires. WG

## **Prospec Carbon Fiber EMTB Framesets**



▲ The upper frame is for a TT bike, and the lower for eMTBs.

rospec are developing and manufacturing carbon fiber frame designs, supplying the European, American and Taiwanese markets. All of its products use Japanese Toray carbon fiber yarn, and adhere to original material quality requirements. As carbon fiber frames have high manpower demands, Prospec have specifically strengthened its internal QC team to better control quality. At TBW the company is presenting its full suspension eMTB carbon fiber framesets compatible with Shimano or Bosch drive systems in 27.5" and 29" options. **®WG** 



▲ The RST team are presenting new products in the Splendor

few years ago, RST made the move towards e-products with the development of its wireless electronic system suspension fork and rear shock absorber. However, it was developed too early, and market acceptance was not high. As other parts of bicycles started becoming electronic, RST refined their previous technologies and launched its Elev8-E electronic wireless dropper seatpost. The Elev8-E has a 3D forged alloy upper and lower tube and offers superior performance, compact dimensions and an outstanding appearance. With an advanced sleep mode function, the post can be operated over 2,400 times with only one 3.7 volt battery cell, which can be reached tool- free. Versions are available with 100mm, 125mm and 150mm of travel.

In addition, with the increasing popularity of e-bikes, RST has also introduced suspension forks for e-bikes, including the Rough and Titan for e-MTBs, the Volant for lowspeed e-city bikes and the Pulse for high-speed city e-bikes, the difference being in the strength

of the structure and a relatively large stanchion. Recently in the Netherlands and the German markets, more e-bikes have been produced with single shock type forks, so RST have developed its Pilot single shock type fork, featuring a simple appearance, for urban bike use with 30mm, 35mm and 40mm travel options.**®WG** 



▲ RST Elev8-E dropper seatpost

## Lanxi Jieke Disc Brake System

his year, Lanxi Jieke has begun developing their own line of disc brake shoes, with three models made from differing materials. Development of the shoes was done with the help of a research team from the Zhejiang University of Science and Technology, employing their brake testing equipment to ensure quality and performance. Once testing was completed, Lanxi Jieke subjected their brake system to a 20km downhill stress test, to observe its performance in practical settings.

The DA6S is a mountain bike disc brake set, using a dual activation design, resulting in very powerful braking. The company has used their own independent research and development team to design the disc shoe formula. When the brake pads become worn, riders can turn a knob by hand, to adjust the brake clearance and allow for continued use. The S-6 system is for use with road bikes. The S-6 system is the company's main product for 2018, using a similar dual activation design. The disc brake sets are compatible in 51mm and 74mm ranges.

Also on offer is the budget JAK-7 mountain bike disc brake system, for use with wider brake pads, which increase available braking force. **WG** 



## Hubsmith C406 All Carbon Fiber Wheelset

his wheelset has been developed for the Birdy bicylce, allowing bike riders to enjoy the excellent performance of carbon fiber wheels on this popular bike. 100% hand-made, the hub features several hollow sections which reduce wind

resistance and improve airflow smoothness. Spoke seats have been designed to ensure that the spokes are straight. The wheelset weighs 1138g. Additionally, Hubsmith is also introducing a road wheelset using a disc brake system. \*\*WG



▲ Hubsmith C406 All Carbon Fiber Wheelset





#### **New Product Gallery**

#### Chosen

#### **Boost 150T Hub**

Splendor Hotel 1377

Chosen is introducing its new Boost 150-tooth high ratio drive system which it claims is able to provide better power transfer, allowing cyclists to ride faster, further, and leap better. The front hub is available in M15 X 110 and the rear

Hub in M12 x 148 styles.



#### **Outback**

#### **OB-0228**

Outback is introducing its OB-0228 tool bag which the company describes as being for  $CO_2$  canisters, tools, tubes and tire levers. The tool bag's dimensions are 4" x 15".

( +886-4-26831571 W www.outback-bag.com

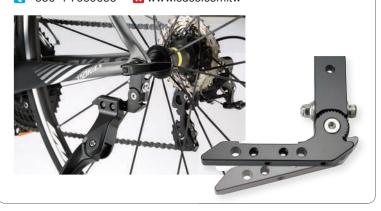


#### C.D. Components

#### **CD-928**

Splendor Hotel 13F, 1368

C.D. Components are introducing its new CD-928, a two-hole kickstand adapter which can be fitted onto a quick release. Manufactured from aluminum, the two-hole kickstands (with 18mm & 40mm hole distances) or flat mount kickstands can be mounted. The CD-928 weighs 70 grams.



#### Ufor

#### **UF-351**

Splendor Hotel 1101

These pedals are designed for use with eMTBs, pedelecs and commuting bikes. Made from aluminum, the pedals feature soft rubber cushions that extend past the aluminum platform to give a more comfortable feel when pedalling normally, yet under heavy pedaling compress down, allowing for extra grip from the metal platform. This system provides excellent non-slip functionality as well as power transmission to the drive system.

+886-4-26761785

www.ufor.com.tw

the cushion is higher than aluminum part





#### V-Grip

#### **HET Bottles**

Evergreen B2 A16

V-Grip's unique and exclusive proprietary HET material ensures that the company's bottles offer an ultra flexible and easy-to-squeeze delivery of high water flow. The material is BPA-free and FDA / ROHS approved.

( +886-6-5939441 W www.v-grip.com.tw



#### Leadtec

#### LCS-7717

Splendor Hotel 1106, 1106-1

Leadtec's LCS-7717 was inspired by the requirements of some AM bikes. They possess excellent controllability and feature light weight. The stem, with a shorter extension and special processing appearance on the side exactly keeps up with the latest trends. It not only matches customer's requirements of appearance, but also makes the weight lighter.



#### Tsinova

#### **Pedelec Ion**

Splendor Hotel Le Bar-2F-4

Integrating aesthetic design and technological power assistance, Tsinova's Ion achieves an equilibrium between functionality and form. The distinctive trapezoid frame is both lightweight and responsive offering a human-centered design to ensure ease-of-use. The VeloUP! Power system ensures a pleasant riding experience and longer battery stamina, and analysis of the ride information is made easy with their in-house developed app.

+86-10-64626255

www.tsinova.com



#### C.D. Components

#### **CD-615**

Splendor Hotel 13F, 1368

The CD-615 is a mini bell with a 21mm brass dome. The bell can be mounted to 22.2~31.8 mm handlebars and is available in colors of red, blue and green. Weight: 23g



#### **Fulchee**

#### FH-1000

Splendor Hotel Booth 1327

Fulchee have launched an innovative lever operated thru-axle. When the axle is not being operated, the lever is hidden away inside the axle body. In this position the appearance of the bike will be more sleek, and it will also increase the reliability of the locking

system by preventing impact with the lever. The design also does away with the need for a hex wrench or any special tool to operate the axle.

+886-4-25605818

www.fulchee.com





#### V-Grip

#### Shield

Evergreen

V-Grip's Shield fender series is easy to install and offers excellent spray and mud protection. The fender is made from a high-impact resistant material that is both durable and lightweight, and features a patented quick release for easy removal and installation. The Shield is available for 24"-29" sized bikes.

**C** +886-6-5939441 **W** www.v-grip.com.tw



#### Hubsmith

#### **Humbird C406**

Splendor Hotel

Hubsmith launched a new upgraded 20" wheel with carbon rims exclusively for Birdy folding bikes. The Humbird C406 wheelset is fitted with light-weight carbon rims, while special drilling angles on rims and the hollowed hub flange design reduce wind resistance. The free hub body of the wheelset utilizes multi-toothed triple pawls and independent springs for energy saving. All Hubsmith wheels are 100% built by hand.

**(** +04-25379168

www.hubsmith.com



#### **Evolo**

#### IT Helmet

Splendor Hotel 1053

Evolo's IT cycling helmet offers easy connectivity with mobile devices up to 10 meters away via Bluetooth. The helmet also features built-in stereo speakers & a microphone, allowing riders to make hands-free phone calls or listen to music in stereo. The

speakers also allow for voice navigation to be heard clearly, allowing riders to concentrate on traffic without having to watch a screen. The helmet can also have a walkie talkie function via a free downloadable арр.

**1** +886-2-26549056

www.cyclechris.com





## Wheel Top SR Series Crankset

he SR series from Wheel Top is a mid-range crankset. The SR-11 1X11S is for use with 11-speed bikes, with 32/34/36/38T. It employs an alternating thick/thin, tall/short tooth design. This design reduces chain vibration and improves chain stability. The tooth ring is forged for increased

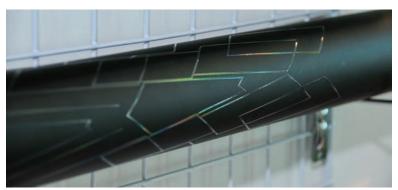
rigidity. The SR-12 2X10S is used on 10-speed bikes, with 38/24T and 36/22T types, and features several points where the chain can be smoothly transferred when changing gears. Finally, the SR-13 3X11S comes in two types: 42/32/24T and 40/30/22T. WG



## Transart Irised Decal

ransart's Irised Decal offers rich and dazzling flashing colors. The decals feature iridescent effects that change colors when viewed

from different angles. They are able to be applied either before (HRTF-ID) or after (NPWT-ID) the application of clear coating. **WG** 





### X-Prit My Popbike

uilt for children ranging in ages from 2 to 6, X-Prit My Popbike allows young customers to choose many aspects of their bike's appearance. Ten different parts can be customized, with

consumers specifying the colors they desire. Also available for the choosing are plastic and aluminum alloy wheelsets, allowing children to create their own, unique bike. It will be available in 2018. WG











## Tai-World Silent Hub Breakthrough



n existence for 38 years, Tai-World got its start in precision processing, and currently possesses 50 pieces of CNC machinery. According to GM Shih Sen-tien, he enjoys the challenge of working with difficult technologies, and considers the bicycle market to have considerable future promise. Tai-World has introduced the Masstec brand, which develops, designs and produces hubs, wheels, carbon fiber frames and forks, all in-house.

Thanks to the company team's many years of precision processing experience, Tai-World possesses extensive R&D, drafting, design, mold development, and design drawing experience & capabilities. Since the company's capable team needed room to develop, it eyed the potential prospects of the high-end bicycle market. As a consequence, the company has been producing bicycle products for around three years. All necessary equipment has been acquired, and its aluminum alloy hub and wheel products are entirely produced using the company plant's machinery. Tai-World is also gradually developing carbon fiber frames and forks.

The perfect matching sailing is resulted from OXTEC hubs with precision and silence state-of-art technology

►Oxtec silent bicycles hubs.

mechanism which can take compact power of 180~210 Newton Meter, and that embody some very innovative thinking as well

The hubs have a limitless angle of the engagement mechanism, which is different from a regular. The noiseless OXTEC hubs represent a break from long-term design restrictions resulting from the number of gear teeth and the need to minimize resistance.

Ordinary hub ratchets make a considerable amount of clicking noise in operation, and where there is noise, there is friction as well. With the design of one-way bearing system, the silence OXTEC hubs work in low friction status, which not only makes the wheel rotating smoother, but also allows cyclists to save more energy to perform in last descent. Many of the industry people know this method, but it is difficult to fulfill it with concept of high torque.

Starting from scratch but with innovative technology lasting for two years of development and improvement, it is time for Taiworld's crowning achievement, and they proudly have



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## Poland's Kielce Show & Bike Market

Ithough the Polish bicycle industry has been developing for little more than five years, it has established a solid foundation, producing 1.1-1.2 million bicycles annually, putting it among the EU's top four bicycle producers.

There are over 20 bicycle assembly firms in Poland, of which 13 have an annual output in excess of 10,000 units. The leading firms include Kross, Romet, Zasada, Unibike, Ideal (Taiwan), Sprix (Germany), Kands, Burghardt, Showa, Flota, Brat-Pol and Rower Land, chiefly assembling trekking bikes, city bikes, and mountain bikes. Poland is also a leading center of OE manufacturing for Western Europe. There was



▲ From Left: Targi Kielce CEO, Dr. Andrzej Mochon; Deputy Minister, Sławomir Mazurek; Zasada Bicycle President, Jan Zasada and Polish bicycle association (PSR) Chairman, Krzysztof Dylewski

a slight increase in vendors participating in this year's Kielce show (9/21-23), but the number of visitors decreased slightly from last year, chiefly because

it rained on all three days of the

The poor spring weather this year also meant that bicycle sales have fallen by 10%-

20% compared to last year. Additionally, as e-bikes fetch prices of over €1,400, sales in Poland are currently fairly low.

### **Assembly plants**

#### **Kross**

Kross displayed its three brands, Kross, Le Grand, and Multi Cycle at the show. Multi Cycle was acquired through a merger in March of this year, and chiefly appears on e-bike products. According to Product Manager, Kaeper Sosnowski, Kross is enjoying sales



▲Kross Project Manager, Kacper Sosnowski (second on right) is introducing products to Deputy Minister, Sławomir Mazurek.

growth this year, and has increased its dealers from 500 to the current 700. Although domestic sales were weak this year, Kross' export sales have grown, and the company exports to 42 countries. It also began producing frames this year.



▲ Mainly focusing on e-bikes, Multicycle was acquired by Kross in March this year.

#### **Romet**

Romet has two plants, and produces bicycles and motorcycles, as well as some e-bikes. Romet's employees number 700, it has 500-600 dealers, and is currently managed by second-generation family member Grzegorz Grzyb.



▲ Romet President, Wiesław Greyb (left) and Deputy GM, Grzegorz Greyb



#### Zasada

Zasada will produce 60,000-65,000 units this year, a drop of 10,000 units compared with last year. President, Jan Zasada, announced in June that he will retire, and son-inlaw Bartosz Jakubwski will take over as CEO. Zasada has 300 dealers and 120 employees. Domestic sales and exports each account for 50% of the company's output, and exports largely go to northern Europe and the Netherlands. Apart from the bad weather, the reduction in Zasada's output this year can be attributed



▲Zasada's new CEO, Bartosz Jakubowski (right) and Zasada Bicycle President, Jan Zasada (left)

to the environmental protection problems that have affected the delivery of frames and forks from China. Zasada plans to produce 1,000 e-bikes this year.



▲Zasada's new CEO, Bartosz Jakubowski

#### **Unibike**

Unibike assembles 40,000 bikes each year, and 90% of these are sold on the Polish market, with the remaining 10% being exported. Unibike is also an agent for Schwable and KMC. According to Marketing Manager Marein Augustynowicz, Unibike has 500 dealers and 100 parts firms in Poland. It employs 50 persons, and produces bicycles with retail prices ranging from €400 to €1,000.



▲ Unibike Marketing Manager, Marcin Augustynowicz is also a shareholder in the



▲ Unibike focus on teamwork, attending many events together. General Manager, Zbigniew Lewandowski is first on the left.

#### **Kands**

Established in 2002, Kands employs 50 persons. According to Sales Manager Pawet Toporek, Kands has 200 dealers, who exports bikes to the Ukraine, Estonia, and Lithuania, assembles 50,000-70,000 units annually, and does not yet produce e-bikes.





▲ Kands Sales Manager, Pawel Toporek

#### Showa/Rayon

Showa began assembling bicycles in 2011; its brand is Rayon, and most parts are imported from China. Showa assembled 20,000 units last year, and expects to assemble about the same number this year. Showa supplies most of its bikes to 20-30 wholesalers. According to President Eddy Hung, because of a recent labor shortage, the company has had to recruit workers from the Ukraine. Showa has 30 employees, and helps other assembly firms in Poland to purchase parts and accessories. This company will become a Honda agent at the end of this year.



▲ President, Eddy Hung this year assembled around 20,000 bikes.



▲ Taiwan Economic and Cultural Office in Poland's Director, Phillip Wen-Cheng Chen (third from left); TAITRA Overseas Exhibiton Section, Belinda Yao (first on left); TAITRA Director in Warsaw, Jasmine Teng (second on left); Well Job General Manager, Thomas Lee (center); Showa President, Eddy Hung (second from right) and Eva Hsu of SR Suntour Germany.

#### **Flota**

Flota sells bikes bearing the company's Flota brand name in the Polish market, and also exports bicycles to Lithuania and Latvia. Employees number 30, annual output is 15,000 units, and the company has 200 dealers. Most parts and accessories are imported from China and Taiwan, but environmental protection problems in China have caused deliveries to be delayed this year. Company boss Jarostaw Flota is a stickler for quality.



▲ Folta President, Jarostaw Folta (left), Sales Manager, Piotr Zebrowski (center) and Sales Manager Wojciech Ziebinski (right).

#### **Parts firms**

#### **ABI**

ABI celebrated its 30th anniversary this year, and company president, Krzysztof Dylewski is also the chairman of the Polish Bicycle Association (PRS). Leader is a subsidiary of ABI; the company's brand is Maestro, and it chiefly produces saddles. ABI's annual output of 800,000 units is largely produced on an OE basis, and the company also engages in importing and distribution. ABI has over 30 employees.



▲ ABI President, Krzysztof Dylewski is also President of PSR. ABI produces bicycle saddles.

#### Sihd

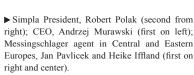
Sihd manufactures fenders and trucks. It has 80 customers in Poland, and roughly 100 customers throughout the Europe.



▲ Sihd produces carriers and mudguards, etc.

#### **Simpla**

Simpla specializes in fender production. The company has enjoyed continued growth, and chiefly sells its products in Poland, but also exports to the Czech Republic and Russia.





#### **Brat**

Established in 1990, Brat employs 20 persons, and produces a wide array of products, which include grips, chain covers, fenders and crank sets. According to CEO, Piotr Barlik, Brat also produces steel forks to supply complete bicycle manufacturers. The company has adopted automated production, and gets by with few employees.



▲ From left: Project Manager, Michat Barlik; CEO, Piotr Barlik and Sales Manager, Slawomir Gorecki.

#### **Polbike**

Polbike sells its bikes in the Polish market under the Saveno brand name, and has annual sales of 12,000-15,000 units. Polbike's trekking and city bikes are manufactured under contract in Bulgaria, and its children's bikes are produced by Sri Lanka's DSI. Polbike is an agent for Raleigh, and is also an agent for other EU parts brands. President Juliusz Kabath says that the company plans to import e-bikes from China.



▲ Polbike President, Juliusz Kabath with his wife

#### **Ajlot**

Ajlot is an agent for numerous Asian brands, including Kenda, Velo and Star Circle. According to President Jacek Balkowski, Ajlot's Prox brand has done very well since it was introduced six years ago, and has continued to grow. Ajlot has 400 dealers, however, the company has suffered a 10% decrease in sales this year.



▲ Ajlot President, Jacek Batkowski.

#### Harfa-Harryson

Established 25 years ago, Harfa-Harryson has been an agent for SRAM and Mavic for 23 years, is also a Colnago distributor, and is an agent for the Colnago, BBB, and VDO brands. Harfa-Harryson has 250 dealers. Company President Henryk Charucki was formerly a professional cyclist. Because of continued growth in the company's aftermarket and wheel sales, this year's sales have been good.



lacktriangle Harfa Harryson President, Henzyk Charucki.

#### **Merida Poland**

Apart from Merida, Merida Poland is also a distributor for 200 other brands, including CST and Maxxis. President Waldemar Chrapzk notes that the company sells 30,000 bicycles annually. The company began assembling bikes in Poland three years ago, employs 100 persons, and has 14 Merida shops under it.



▲ Merida Polska Product Manager, Marek Dobrowolski



▲ Merida's Polish joint venture Sales Director and distributor for CST, Piotr Wileska.

#### Cossack

Cossack sources its bikes in Eastern Europe. According to President Jacek Kozakiewicz, Cossack sells 25,000 bicycles in Poland every year. It also provides 10,000 bikes to Germany's Sprix, and produces frames for Bulgaria's Leader 96. Cossack currently has 500 dealers in Poland, exports to Norway, and has 25 employees. It imports e-bikes from China, which sell for retail prices of around €700. Cossack plans to begin assembling bicycles by the end of this year.



▲ Cossack President, Jacek Kozakiewicz.

#### **Delta Sport**

According to company Chairman, Bogdan Wadeeki, Delta Sport have been the agent for Taiwan's Sunrace products for 10 years. The company employees 14 people. Mr. Wadeeki was optimistic that the company would grow by 50%.



▲ Delta Sport President Bogdan Wadecki (center) and his son (left) together with Sales Manager, Jan Peereboom (right).

#### **Pro-Bike**

Established in 1991, Pro-Bike began operating in 1992, and is owned by partners Piotr Omiecinski and Jerzy Przybysz. Pro-Bike is chiefly an agent for parts from Taiwan, China, and India. The company has 25 employees, four bike shops, and four warehouses.



▲ Pro-Bike's Jerzy Przybysz (left) and Piotr Omiecinski (right).

#### **Speader**

Speader is an agent for Novatec and Chao Yang tires in Poland. According to President Darek Chmiekwski, the company was established in 2000, employs 16 persons, and experienced less than ideal sales this year, which was chiefly due to the weather and saturation of the market. Chmiekwski also indicated that this year's show seemed lacking in energy, but Speader will be back next year, and will increase advertising and publicity.



▲ Speeder's Adam Topolski (left) and President, Darek Chmielewski (right).

#### **Motorland / Impuls**

With a history of 25 years, Motorland have 40 employees and distribute Marin bicycles. Impuls is their e-bike brand. Currently,

they have 15 to 20 distributors, and they have a good working relationship with Bafang.





#### **ZEG**

According to ZEG Poland manager Walery Jasiulewicz, while rather few e-bikes are currently being sold in Poland, ZEG has already sold 80 units. The most popular bicycles are in the €200-300 price range, and ZEG considers the Polish market to be very promising in the long-term.



▲ Hercules Poland Account Manager, Valerijus Jasiulevicius (left) and ZEG Poland Sales Manager, Walery Jasiulewicz (right).

#### **Euro Bike**

Euro Bike is SR Suntour's agent in Poland, and is also a distributor for parts from other brands. The company also sells bikes, but plans to focus on parts in the future.



▲ Euro Bike General Manager, Piotr Pawlak.



▲ Shun Shing's Doris Huang (left) and Mark Huang (right).



▲ HL Sales Representative, Johnny Lai (left) and Sales Manager, Stanley Liao (right).



▲ Feimin and StarsCircle exhibited together. Feimin General Manager, Zheng You Wu (front left); StarsCircle General Manager, Fei He Ying (front right) and StarsCircle Sales Manager, Bi Hao Deng (back center).



▲ This is the first time Wheeler has attended the show. Wheeler's Sean Yang (right) and their Poland agent, Andrew (left)

ABIMOTA



▲ Shuz Tung Sales Chief, Joy Huang



▲ Youn Live R&D Personnel, Leslie Chen.





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## Taiwan Bike Exports Continue Dropping

fter an exceptionally difficult year for the Taiwanese bike industry in 2016, with the island only exporting 3 million bikes, Taiwan bike businesses were looking for a healthy turnaround this year. However, draft figures recently released by the Taiwan Bicycle Association (TBA) are showing that bicycle export numbers are continuing to nosedive, at least for traditional nonpower assisted bicycles—e-bike exports are soaring.

In the first seven months of this year, Taiwan exported a total of 1,323,835 complete bicycles (not including e-bikes), this figure is down 24.94% from the 1,763,737 units exported in the first six months of 2016. Although the average unit value of these bikes rose by over 11.36% to \$512.27, the total value of Taiwan's non-power assisted bicycle exports was still only \$678,167,413-a fall of 16.41% from the total value of exports during the first seven months of last year.

#### **Exports to Europe**

According to the TBA draft figures, the EU continued to be the largest region for Taiwan's bicycle exports. 753,474 bicycles (not including e-bikes) were shipped to EU countries from January to the end of July 2017, down over 25% from the 1,009,114 units exported during the same period last year. The total value of these exports was \$275,129,020, a fall of over 19% from the same period in 2016 when the total value of bicycles exported from Taiwan was \$340,476,595.

The largest quantity of

bicycles was shipped to UK with 197,041 units—a fall of over 18% from the same period in 2016. The total value of complete bike shipments to the UK in the first seven months of 2017 was \$61,485,730—a drop of over 24%. The country receiving the largest value of Taiwanese bicycle exports was the Netherlands. 130,298 units were exported there from Taiwan—over 30% down on bike exports to that country in the same period of 2016. As the

average unit value increased by over 32% to \$661.27, the total value of Taiwan's exports to the Netherlands fell by 8%, from \$94,443,003 in the first seven months of 2016 to \$86,162,333 in the same period of this year. Taiwan exported 95,625 bicycles to Germany, the EU's largest market. This figure represents a drop of 30% from the 137,713 units exported there in the first seven months of 2016. The average unit value of bike exports to Germany also fell

markedly, by 23% to \$242.62, this means the total value of Taiwan's bicycle exports to Germany was \$23,200,099, down a whopping 46% from the \$43,520,216 exported to Germany between January and the end of July 2016. Taiwan's bicycle exports to all of the EU's major markets followed this trend of falling in both quantity and total value. It should be noted that these figures do not include e-bike exports which reflected a completely different trend.

First-half 2017 Taiwan bicycle exports to major EU markets (not including e-bikes)

	Quantity				Value		Average Unit Value		
	2017 (units)	2016 (units)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)
Netherlands	130,298	188,759	-30.97%	86,162,333	94,443,003	-8.77%	661.27	500.34	32.17%
Germany	95,625	137,713	-30.56%	23,200,099	43,520,216	-46.69%	242.62	316.02	-23.23%
Spain	22,575	33,713	-33.04%	11,558,655	15,951,362	-27.54%	512.01	473.15	8.21%
UK	197,041	240,629	-18.11%	61,485,730	81,078,506	-24.17%	312.05	336.94	-7.39%
Italy	54,287	75,551	-28.15%	13,365,749	15,674,293	-14.73%	246.21	207.47	18.67%
Belgium	38,281	68,183	-43.86%	32,794,640	39,721,403	-17.44%	856.68	582.57	47.05%
Denmark	33,870	35,870	-5.58%	6,722,930	8,868,299	-24.19%	198.49	247.23	-19.71%
Sweden	82,507	114,048	-27.66%	13,527,092	17,239,308	-21.53%	163.95	151.16	8.46%
Poland	27,064	31,152	-13.12%	4,559,462	4,604,055	-0.97%	168.47	147.79	13.99%
Total EU	753,474	1,009,114	-25.23%	275,129,020	340,476,595	-19.19%	365.15	337.40	8.22%

Source: Taiwan Bicycle Association

#### **North America**

Last year, high inventory levels in the USA affected Taiwan's bicycle figures, and industry members were hoping that this year bicycle sales would rebound.

However, according to the TBA draft figures, although the USA remains Taiwan's single largest bicycle export market, the total number of bikes (not

including e-bikes) exported there from January to July 2017 stood at just 267,451—nearly 12% lower than last year's poor figures during the same period. The average unit value of each exported bicycle rose by over 7% to \$738.89, and the total value of Taiwan's bicycle exports to the United States stood at \$197,615,952—down 5.24% from the \$208,554,252 exported

there in the first seven months of 2016.

Total exports of Taiwanese bicycles to Canada rose slightly. Taiwan shipped 33,342 units there in the first seven months of 2017—a slight increase from the same period last year. As the average unit value rose by 11% to \$793.03, the total value of bicycles exported from Taiwan to Canada was \$26,441,320—

an 11% increase from the \$23,640,564 total value exported there in the first 7 months of 2016. In terms of total value, Taiwan bike exports to Canada was the seventh largest globally.

#### Asia & other major markets

According to the latest draft TBA statistics, Taiwan's bicycle exports (not including e-bikes) to many countries in Asia plummeted. Taiwan exported just 65,526 complete bicycles to Japan in the first seven months of 2017-nosediving 40% from the 105,110 units exported during the same period last year. Exports to both China and South Korea fell even more—by 57% and 71% respectively. Only 20,563 bicycles were exported from Taiwan to China in the first six months of the year, and a mere 16,437 units were exported from Taiwan to South Korea.

#### **E-bike exports**

While traditional bicycle exports have shown uniformly bleak and gloomy results for Taiwanese manufacturers, e-bike exports are continuing to be the bright spot and single ray of hope. According to the TBA draft data, 107,597 e-bikes were exported from Taiwan in the first seven months of 2017, this is a very healthy 33% increase on the 80,414 units shipped in the corresponding period during the previous year. The average unit value also increased substantially by over 28% from \$1,020.86 in 2016 to \$1,312.02 this year. Consequently, the total value of e-bikes exported by Taiwan from January to July this year was \$141,169,179 up a whopping 71.97% from the \$82,091,405 total value exported during the same period in 2016.

The vast majority of Taiwanese e-bikes were exported to Europe, with 27,851 units shipped to Germany in the first seven months, skyrocketing

First-half 2017 Taiwan bicycle exports to North America

	Quantity			Value			Average Unit Value		
	2017 (units)	2016 (units)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)
USA	267,451	304,588	-12.19%	197,615,952	208,554,252	-5.24%	738.89	684.71	7.91%
Canada	33,342	33,210	0.40%	26,441,320	23,640,564	11.85%	793.03	711.85	11.40%

Source: Taiwan Bicycle Association

Jan~end July 2017 Taiwan bicycle exports to other major markets

	Quantity			Value			Average Unit Value		
	2017 (units)	2016 (units)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)
Japan	65,526	105,110	-40.51%	29,722,021	50,517,749	-41.17%	475.35	480.62	-1.10%
Australia	32,525	33,575	-3.13%	29,482,031	26,749,495	10.22%	906.44	796.71	13.77%
China	20,563	48,209	-57.35%	15,823,482	29,879,249	-47.04%	769.51	619.79	24.16%
South Korea	16,437	57,466	-71.40%	16,016,017	32,501,043	-50.72%	974.39	565.57	72.28%

Source: Taiwan Bicycle Association

First-half 2017 Taiwan e-bike exports to major global markets

	Quantity				Value			Average Unit Value		
	2017 (units)	2016 (units)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)	2017 (US\$)	2016 (US\$)	Change (%)	
Germany	27,851	11,755	136.93%	41,190,384	9,109,315	352.18%	1,478.96	774.93	90.85%	
Netherlands	32,977	34,693	-4.95%	36,747,483	34,232,102	7.35%	1,114.34	986.71	12.93%	
USA	14,447	11,005	31.28%	19,927,748	17,052,334	16.86%	1379.37	1549.51	-10.98%	
Italy	5,462	1,862	193.34%	9,112,378	3,220,478	182.95%	1668.32	1729.58	-3.54%	
Denmark	4932	778	533.93%	4,063,422	976,589	316.08%	823.89	1255.26	-34.36%	
All E-bike Exports	107,597	80,414	33.80%	141,169,179	82,091,405	71.97%	1,312.02	1,020.86	28.52%	

Source: Taiwan Bicycle Association

up nearly 137% from the 11,755 units shipped during the same period last year. The average value of units exported to Germany also rose sharply by nearly 90% to \$1,478.96. As a result, the total value of all e-bikes exported from Taiwan to Germany from January to July of this year was \$41,190,384—an increase of over 352% from the \$9,109,315 value exported in the same period last year. Bucking the trend, Taiwanese e-bike exports to the Netherlands fell by nearly 5% to 32,977 units. However, an increase in the average price to \$1,114.34 meant that the total value of e-bike exports from Taiwan to the Netherlands during the first

seven months of 2017 stood at \$36,747,483—up by 7% from the \$34,232,102 total value exported in the same period of 2016. Exports of e-bikes from Taiwan to most other European countries, although smaller, increased significantly during the first half of the year.

Shipments of e-bikes from Taiwan to North America also increased, reflecting the growing importance of electricassist transportation in the North American market. The TBA draft figures state that 14,447 e-bikes were exported to the USA in the first seven months of this year—up 31% on the 11,005 units exported during the same period last year. The average unit

value fell by 10% to \$1379.37, and the total value exported was \$19,927,748, an increase of 16.86% on the total value of \$17,052,334 exported during the first seven months of 2016.

While Taiwanese manufacturers were slow on the uptake of e-bikes, the draft figures from the TBA show that manufacturers are quickly catching up with the market. One stand-out statistic from these TBA draft figures is that for the first half of 2017, nearly twice the total value of electricassist cycles (\$41 million) were exported from Taiwan to Germany, compared to traditional bicycles (\$23 million). \*WG



## EU Bicycle Imports Slump & E-Bike Imports Jump

import database, Eurostat, reveal that in 2016, 6,723,188 completed bicycles were imported into the EU. This figure is a more than 10% drop from the 7,482,221 complete units imported in 2015 and represents a historic low over the past 5 years. Despite dropping 15%, Taiwan remains the biggest bicycle supplying region for the EU with 1,556,690 units. Cambodia was the second largest supplier with the EU importing a total of 1,2,85,889 units in 2016—down 7.11% from the previous year. Bicycle imports from the Philippines fell by over 20% last year to 679,558 units. The Philippines has been pushed down into 4th place by Bangladesh which was one of the few supplying countries where exports to the EU did not

drop significantly.

Eurostat data shows that in terms of the value, unsurprisingly, in 2016 the highest value of bike imports was €521,825,676 of complete bicycles imported from Taiwan at an average unit value of €335 per unit. This represented 46% of the value of all bicycles imported into the EU in 2016. A total value of €285,085,121 bicycles were imported into the EU from Cambodia at an average unit value of €222. Bangladesh was the third biggest EU supplier of bicycles by value with a total value of €65,700,864 at an average value of 90 euros.

5-year history EU imports of complete bicycles by unit quantity (CN Code: 87120030)

5-year instory Ee imports of complete bicycles by unit quantity (Civ Code: 67120050)								
Source	2012	2013	2014	2015	2016	% Change		
Taiwan	2,425,945	1,879,522	1,861,679	1,841,181	1,556,690	-15.45%		
Cambodia	947,033	1,393,440	1,208,399	1,384,283	1,285,889	-7.11%		
Philippines	651,876	793,039	912,196	850,388	679,558	-20.09%		
Bangladesh	472,355	534,057	661,468	737,897	730,558	-0.99%		
China	450,224	581,372	444,290	510,073	412,307	-19.17%		
Thailand	657,320	644,882	686,817	466,479	414,360	-11.17%		
Tunisia	446,180	346,192	424,239	424,486	430,148	1.33%		
Sri Lanka	946,438	391,957	388,861	379,442	309,264	-18.50%		
Turkey	209,460	241,023	307,238	316,146	250,170	-20.87%		
India	163,029	201,158	202,974	197,061	272,017	38.04%		
Indonesia	623,905	248,626	168,843	163,257	213,263	30.63%		
Vietnam	108,875	64,772	118,768	99,403	90,919	-8.53%		
Other	231,675	143,470	249,912	112,125	78,045	-55.13%		
	8,334,315	7,463,510	7,635,684	7,482,221	6,723,188	-10.14%		

Other 1 2%

Source: Eurostat.

Indonesia 3.2%

India 4

Bangladesh 10.9%



Source	2016	% Share
Taiwan	1,556,690	23.2%
Cambodia	1,285,889	19.1%
Philippines	679,558	10.1%
Bangladesh	730,558	10.9%
China	412,307	6.1%
Thailand	414,360	6.2%
Tunisia	430,148	6.4%
Sri Lanka	309,264	4.6%
Turkey	250,170	3.7%
India	272,017	4.0%
Indonesia	213,263	3.2%
Vietnam	90,919	1.4%
Other	78,045	1.2%
	6,723,188	100.0%

Source: Eurostat.

#### **EPAC** imports

Eurostat data for extra-EU imports of ebikes (CN Code: 87119010) show that imports skyrocketed last year by over 60% to 1,164,544 units. China was by far the largest supplier of EU ebike imports in 2016—over 78% of all ebikes imported into the EU were supplied from China. Vietnam supplied the second largest quantity of ebikes at 91,468 units. EU imports from both Taiwan and Switzerland jumped dramatically by over 83% and 111% respectively.

The 1,164,544 ebikes imported into the EU in 2016 had a total value of €258,723,110—over 50% higher than the total value imported in the previous year. This figure also indicates that the average unit value was €372 a figure heavily lowered by the large volume of e-bikes imported from China at an average value of €284 per unit. The total value of EU imports of ebikes from both Taiwan and Switzerland skyrocketed last year by over 171% and 144% respectively. According to Eurostat data, a total of €66,850,601 ebikes were imported into the EU from Taiwan at an average value of €845, while a total value of €48,603,169 ebikes were

EU imports of complete bicycles by total value (CN Code: 87120030)

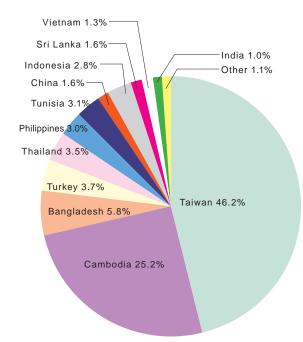
EU imports of complete dicycles by total value (CN Code: 8/120050)								
Source	2015 (€)	2016 (€)	% Change	Average Value (€)				
Taiwan	573,974,542	521,825,676	-9.09%	335				
Cambodia	312,792,865	285,085,121	-8.86%	222				
Bangladesh	72,908,895	65,700,864	-9.89%	90				
Turkey	45,590,676	42,313,031	-7.19%	169				
Thailand	44,573,406	40,091,394	-10.06%	97				
Philippines	40,821,388	33,986,114	-16.74%	50				
Tunisia	33,516,164	35,009,287	4.45%	81				
China	25,930,516	18,017,227	-30.52%	44				
Indonesia	23,168,740	31,320,532	35.18%	147				
Sri Lanka	20,642,636	17,861,749	-13.47%	58				
Vietnam	18,253,330	14,959,798	-18.04%	165				
India	8,345,449	11,122,897	33.28%	41				
Other	23,470,943	12,145,343	-48.25%	156				
Total	1,235,644,101	1,129,439,033	-8.60%	168				

Source: Eurostat.

Share of EU complete bicycles imports by total value (CN Code: 87120030)

Source	2016 (€)	% Share
Taiwan	521,825,676	46.2%
Cambodia	285,085,121	25.2%
Bangladesh	65,700,864	5.8%
Turkey	42,313,031	3.7%
Thailand	40,091,394	3.5%
Philippines	33,986,114	3.0%
Tunisia	35,009,287	3.1%
China	18,017,227	1.6%
Indonesia	31,320,532	2.8%
Sri Lanka	17,861,749	1.6%
Vietnam	14,959,798	1.3%
India	11,122,897	1.0%
Other	12,145,343	1.1%
Total	1,129,439,033	100.00%

Source: Eurostat.



imported from Switzerland at an average value of €1,607 per unit.

In October, the European bicycle Manufacturers Association (EBMA) lodged a complaint with the European Commission alleging dumping of e-bikes by Chinese companies. The EBMA claim Chinese e-bikes are flooding the market at prices which are sometimes below the cost of production with the help of unfair subsidies. The Commission has until late October to determine whether to start an investigation. \*WG

5-year history EU import of ebikes by unit quantity (CN Code: 87119010)

Source	2012	2013	2014	2015	2016	% Change
China	296,602	343,812	340,267	547,373	912,486	66.70%
Vietnam	15,751	18,582	37,892	74,259	91,468	23.17%
Taiwan	18,169	23,313	21,335	43,095	79,116	83.59%
Hong Kong	259	1,787	463	37,854	33,516	-11.46%
Switzerland	273	352	883	14,310	30,237	111.30%
Other	33,555	17,862	19,409	8,959	17,721	-53.84%
Total	364,609	405,708	420,249	725,850	1,164,544	60.44%

Source: Eurostat.

EU imports of ebikes by total value (CN Code: 87119010)

Source	2015 (€)	2016 (€)	% Change	% Share	Average Value (€)
China	189,691,781	258,723,110	36.39%	59.7%	284
Taiwan	24,614,776	66,850,601	171.59%	15.4%	845
Vietnam	40,024,985	49,534,303	23.76%	11.4%	542
Switzerland	19,905,715	48,603,169	144.17%	11.2%	1,607
Hong Kong	5,662,062	2,328,246	-58.88%	0.5%	69
Other	7,534,039	7,173,842	-4.78%	1.7%	405
Total	287,435,373	433,215,287	50.72%	100.00%	€ 372

Source: Eurostat.

Bicycle and E-bike Imports by Total Quantity

Source	2015	2016	% Change	% Share
Bicycles	7,482,221	6,723,188	-10.14%	85%
E-bikes	725,850	1,164,544	60.44%	15%
Total	8,208,071	7,887,732	-3.90%	100.0%

Source: Eurostat.

Bicycle and E-bike Imports by Total Import Value

Source	2015	2016	% Change	% Share
Bicycles	1,235,644,101	1,129,439,033	-8.60%	72%
E-bikes	287,435,373	433,215,287	50.72%	28%
Total	1,523,079,474	1,562,654,320	2.60%	100.0%

Source: Eurostat.

It should be noted that the the CN code 87119010 includes both pedal-assisted ebikes and 'twist & go' ebikes which require turning a throttle rather than pedaling for the electric motor to kick in. The above import figures reflect both pedal assist and twist & go ebikes. As of January 1st 2017, The EU added two extra CN codes: 87116010 (Bicycles, tricycles and quadricycles, with pedal assistance, with an auxiliary electric motor with a continuous rated power <= 250 W) for electrically power-assisted cycles (EPACs). 87116060 (Motorcycles, incl. mopeds, and cycles fitted with an auxiliary motor, with electric motor for propulsion (excl. bicycles, tricycles and quadricycles, with pedal assistance, with a continuous rated power <= 250 W) for speed EPACs and 'twist & go' e-Bikes.



### **Shots from the Show**





















































The proliferation of bicycle commuters and the associated bike-sharing programs, have resulted in an upturn in demand for the various components specifically designed forthe commuter bicycle market. None more so than high quality, performance-focused internal-gear hub systems.

With the introduction of its own line of internal 3-speed rear hubs, KT Taiwan aims to assert its leadership, expertise and experience on the internal hub market. All Inter-3 rear hubs will be made exclusively at the award-winning KT facility in Taiwan, which has received governmental recognition for its strict adherence to, and maintenance of, the highest quality control standards.

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Visit the KT booth during Taichung-Bike-Week : Tempus Hotel / B1 Hall A 23, 24

or contact kttw@q-lai.com.tw for more information.





www.kttw-hub.com



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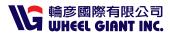
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