

e-bike

**Electric Bicycle
Market Analysis
and Prospective
Trends**

**The Sea Otter Classic
ends successfully**

**Eurobike Preview
Products New**

**E-Bikes are
Smokin' Hot!**





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THE E-BIKE, AND MORE SPECIFICALLY, THE E-MTB OFFERINGS ARE EVOLVING RAPIDLY. THESE BIKES PUT TREMENDOUS AMOUNTS OF STRESS ON THE HUBS AND YOU MUST HAVE A HUB THAT CAN HOLD UP TO IT. WE HAVE DEVELOPED A RANGE OF HUBS SQUARELY ON DURABILITY OVER ALL ELSE. THIS A SOLID LINE-UP OF E-SPECIFIC HUBS.

D791SB-B15

WEIGHT 154G
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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



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THAT DEFINED A CATEGORY*



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AND NO COMPROMISES*

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BOOTH B1-504

E-BIKE



Chainline Option:

45mm/47mm/49mm/
52mm/Fatbike

BOSCH Gen2



BOSCH Gen3



BCD104



BCD130

BAFANG MAX/MODEST



BCD76/104



BCD130

BROSE



BCD104



BCD130

SHIMANO E6000/E8000



BCD104



BCD130

EC38



EC39



EC33



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Model	W (mm)	ØD (mm)	Weight (260mm)
PSR WING 23	2.3	1.45	5.7g
PSR WING 22	2.2	1.4	5.2g
PSR WING 21	2.1	1.3	4.7g
PSR WING 20	2.0	1.2	4.3g



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FEATURES :



* For more details, please contact our representatives.

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Aluminum Frame with BOSCH



Drive Unit :
BOSCH Gen 2
Battery :
BOSCH PowerTube 500

Aluminum Frame with SHIMANO



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Battery :
SHIMANO BT-E8035
(DARFON E4COC compatible)



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Rove(Neco3-1+Neco4+Rectifier)
Dynamo Hub Power
Generator-UPS System



DC Electric Transmit Wire

Electric Rectifier

AC Electric Transmit Wire

NECO3-1

1. Dust Cover
2. Battery
3. Charger
4. Compression Plug

NECO4

Patent No.China : 5257748

5Vx2.0A=10W

Global Maximum Bicycle
Dynamo Generator



NECO 5

Manual Pedals

Patent No. Taiwan: 105211964

China: 201620848170X



NECO 3

Intelligent Portable Charger

NECO3 Patent No.Taiwan: M509473/Germany: 202015104197



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RESERVING TENSION

cn SPOKE

Locking Spoke

■ SLT system *Patented*

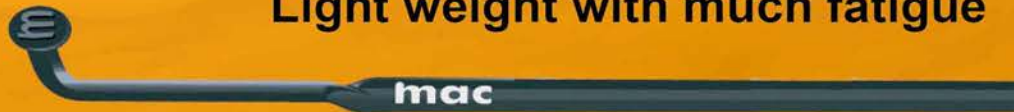
Variation of threads. Matallic contact works better



3.3 Gram Aero Spoke for Carbon

■ Aero330

Light weight with much fatigue



■ TX-16

Torx Nipple
Extra Tension/ Fine Tune



■ RX-10

External Hidden Nipple
Best with High Profile rim



■ PLN-14

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LCS-7718

Process	Forged
Steerer	28.6mm
Extension	35mm
Barbore	35.0/31.8mm
Angle	0°



LCS-7195

Process	3D Forged
Steerer	28.6mm
Extension	40/50/60/70/80mm
Barbore	35.0/31.8mm
Angle	5°



LCSP-68

Material	Alloy 6061
Dia	30.9 / 31.6mm
Length	406mm / T 100mm 426mm / T 120mm 431mm / T 125m





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E-BIKE CRANK

EB03-R-BNI
EB03-L-BNI
LENGTH: 165,170,172.5,175MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 490G(PAIR)

EB04-R-BNI
EB04-L-BNI
LENGTH: 165, 170MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 496G (PAIR)



STEEL CHAINRING

PRO-38T-1
CHAINRING MATERIAL: STEEL
CHAINRING FINISH: BED
BCD: 104MM



CHAINGUARD

AG62
CHAINGUARD MATERIAL: ALLOY
CHAINGUARD FINISH: BLACK SAND ANO.
FOR CHAINRING: 38T
BCD: 104MM



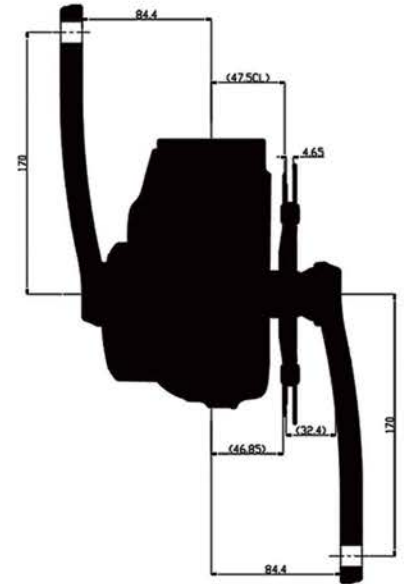
SPIDER

SPIDER: S1-1 (13T)
MOUNTING INTERFACE: 13T
MATERIAL: AL-6061-T6
FINISH: BLACK SAND ANO.
BCD: 104MM



SPINDLE BOLT

CRMO M10
WEIGHT: CRMO: 45G (PAIR)



MODEL	CRANK	SPIDER	CHAINRING	CHAINGUARD	DISK	CL	BCD
EB03-238A-S1-1	EB03	S1-1	PRO-38T-1	AG62	X	47.5	104
EB04-238A-S1-1	EBO4	S1-1	PRO-38T-1	AG62	X	47.5	104



E-BIKE CRANK

EB03-D3-R-ISIS
EB03-L-ISIS
LENGTH: 165, 170, 172.5, 175MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 495G (PAIR)



EB04-16T-D3
EB04-18T-D3



EB03-16T-D3
EB03-18T-D3



EB04-D3-R-ISIS
EB04-L-ISIS
LENGTH: 165, 170MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 485G (PAIR)



STEEL CHAINRING

FD07-16T
FD07-18T
CHAINRING MATERIAL: STEEL
CHAINRING: BED



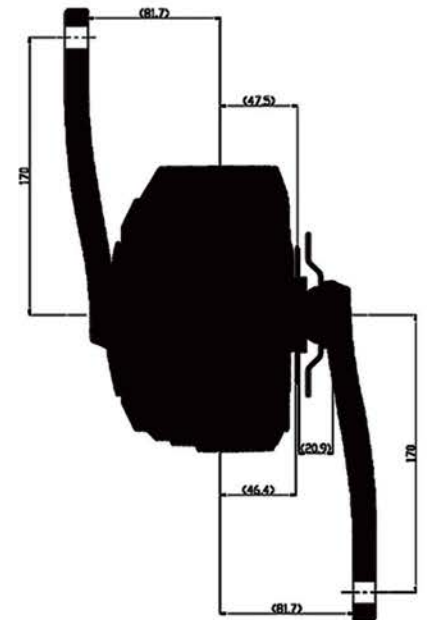
SPINDLE BOLT

CRMO M15
WEIGHT: CRMO: 46.8G (PAIR)



SPIDER

SPIDER: D3
MATERIAL: AL-6061-T6
FINISH: BLACK SAND ANO.



MODEL	CRANK	SPIDER	CHAINRING	CHAINGUARD	DISK	CL	BCD
EB03-16T-D3	EB03	X	16T	X	D3	47.5	X
EB03-18T-D3	EB03	X	18T	X	D3	47.5	X
EB04-16T-D3	EBO4	X	16T	X	D3	47.5	X
EB04-18T-D3	EBO4	X	18T	X	D3	47.5	X

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YOUR ACCESS TO THE BICYCLE INDUSTRY



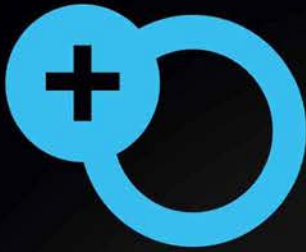
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PRESENTS



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D153MF

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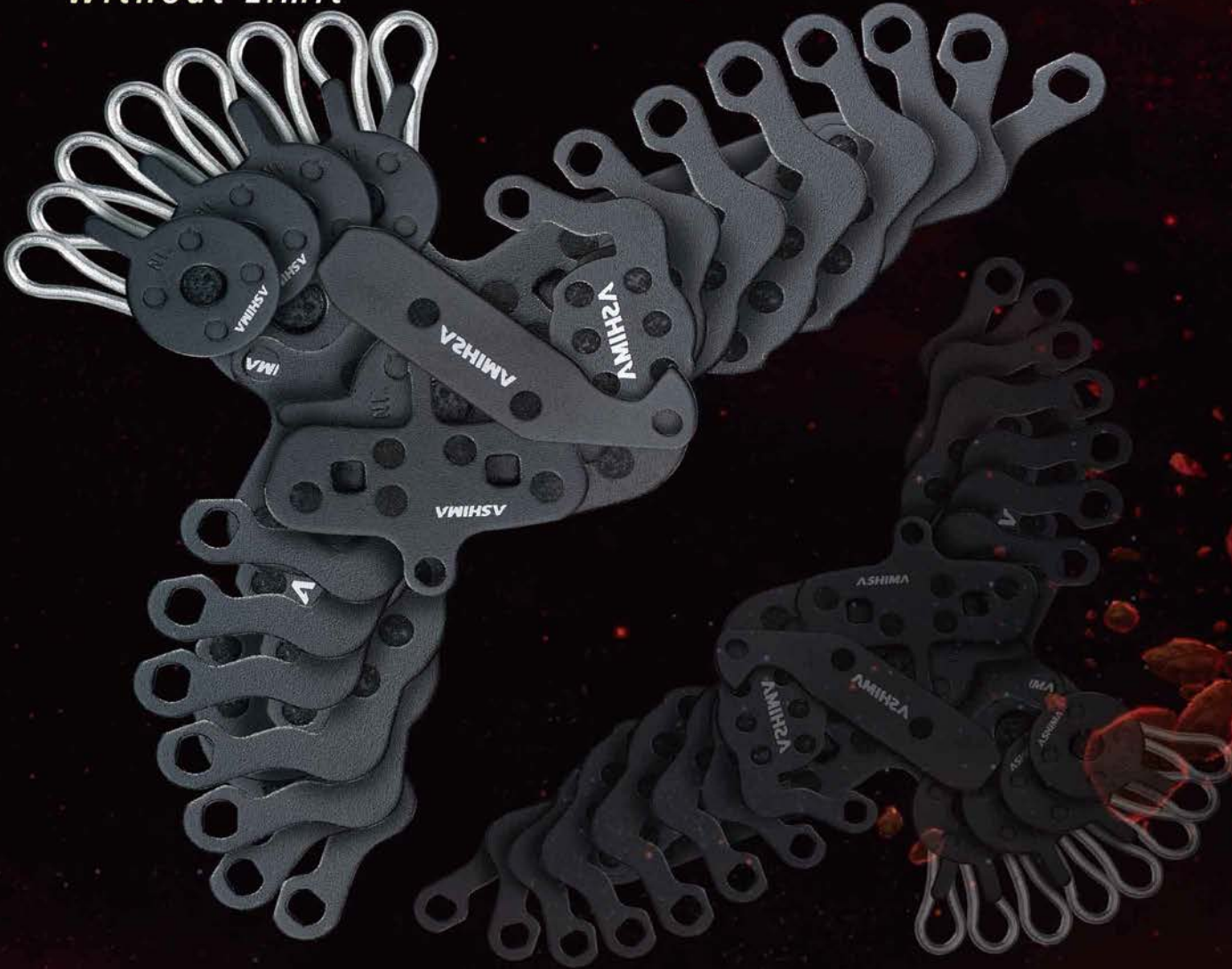
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- Eccentric BB



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2018/9/26 - 9/28

Taipei International Cycle Show
4F M0536
2018/10/31 - 11/3



E-Bike



EC-01
Compatible with: Bafan System



EC-03
Compatible with: Brose System



E-100
Compatible with Bosch, Brose, Yamaha, SR



SS-8001-E
Compatible with Bosch, Brose, Yamaha, SR



AL6



SS-9205 CNC



Road/Rd-3
Narrow wide tooth.



MTB-05
Direct mount, narrow wide tooth chainring.
For GXP / BB30 crankset.



MTB-06
Compatible with Shimano SLX, XT and XTR



SS-9205 CNC OV



MTB-05R-0V
Direct mount, narrow wide tooth chainring.
For RaceFace.



MTB-06(Double)
Compatible with Shimano SLX, XT and XTR

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12 in 1 folding tool w/plastic arm, NP: hex2/3/4/5/6mm/PH2/T25/flat 5/ spoke wrench 13/14/15/16G

**YMC-08**

15 in 1 folding tool w/plastic arm, CP: hex2/3/4/5/6/8mm/PH2/T25/flat 5/ spoke wrench 13/14/15/16G/ chain cutter/bottle opener

**FF-24**

16 in 1 flat tool: hex2/3/4/5/6/8mm/ PH2/T25/ flat 5/ spoke wrench 13/14/15/16G / Mavic spline/ chain cutter/bottle opener

**FF-14**

8 in 1 flat tool: hex2/3/4/5/6mm/PH1/T25 /flat 5

**FF-14A**

14 in 1 flat tool: hex2/3/4/5/6/8mm//T25/PH1/flat 5/tire lever/bottle opener/caliper spreader/ spoke wrench 14/15G

**FD-03MB**

8 in 1 tools with hex 3/4/5/6/8/10 mm, box wrench 10/12 mm

**FF-25**

16 in 1 folding tool w/alloy arm, NP, chain tool sizes: hex2/3/4/5/6/8 mm / T25 / flat /PH2, bottle opener spoke wrench 12/14/15/16G/T30 (Mavic spline)

**FF-25K**

17 in 1 folding tool with sizes: hex2/3/4/5/6/8 mm / T25 / flat /PH2, bottle opener, spoke wrench 12/14/15/16G/T30(Mavic spline), chain tool for available 7-11 speeds chain, knife

**FF-16CO2**

11 in 1 mini tools with CO2 inflated valve, open & stop the air function for fitting Presta & Schrader, sizes: hex2/2.5/3/4/5/6/8mm /PH2/flat/T25

**FA-01K**

21 in 1 Folding Tool CR-V, NP, Spec.: Hex2/2.5/3/4/5/6/8mm /Ph1/Ph2/T25/Flat 5/Spoke wrench 14/15/16G/chain cutter for 7-11 speed/chain retainer/Box wrench 8/9/10mm/Tire lever/knife

**BT-123K**

12 in 1 Folding Tool CR-V+Plastic(PC) arm, NP Spec.: Hex2/2.5/3/4/5/6/8mm/Ph2/Flat5/T25/chain cutter for 7-11 speed/knife

**FD-0417P**

Allround folding tool with tube repair set sizes: hex5/6mm /flat 5/PH2, knife, chain tool, file, tube repair, CO2 valve, spoke wrench13/14/15/16G/T30 (Mavic), bottle opener, Storage place for rubber sticker and quick link

**BT-55BK**

8 in 1 Folding Tool CR-V+Rubber arm, NP Spec.: hex2/3/4/5/6mm /Ph2/Flat5/knife

**FF-26L**

17 in 1 Multi-tools CR-V+Plastic body case Spec.: Hex2/3/4/5/6/8mm /Ph2/T25/Flat 5/Tire lever, Spoke wrench 13/14/15/16G/chain cutter for 7-11 speed/bottle opener/chain link storage(w/o link)/chain retainer

**BB-21**

8 in 1 pouch Spec.: Multitool with Hex2/2.5/3/4/5/6/8mm/Ph2/Flat5/T25/chain cutter for 7-11 speed, 8/10mm Spanner, 9mm Spanner, 13mm Spanner, 15mm Pedal Spanner, T25 wrench, Spoke key, Tire levers

**ST-01**

Multi-function Switch Tool Spec.: 6-11 speed chain cutter, double end bits ST5mm-hex2.5, hex3-4 mm, hex5-6 mm, T25-T30; Adaptor and pouch

**FF-02KIT**

multi-tools with classic patch repair kit: 2 round + 4 oval + 1 tire boot + 1 rubber adhesive

**FW-01PB**

Rotor flattening wrench

**ADT-01**

12-PCT-bit set

**TW-01A3**

1/4" DR adjustable torque wrench (5-25 NM)

**TW-07**

1/4" DR EP screen adjustable torque wrench(5-25 NM)

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Electric Bicycle Market Analysis and Prospects Trends



Market pective

EXCLUSIVE REPORT <<

Electric Bikes are Smokin' Hot!

3

4 million! Give or take a few thousand, that's how many ebikes were sold worldwide in 2017 according to data provided by eCycleElectric Consultants.

The United States, Europe, and China were the main beneficiaries, with China alone accounting for 34 million units. Clearly ebikes are hot, and their popularity is soaring.

Statistica.com projects global sales of 40 million units by 2023, with China expected to sell about 34.3 million units. Although China is the most important market for electric bicycles in the world, most of these are the low-end electric bicycles. The majority of the sales in Europe and the U.S. on the other hand, is the middle to high end vehicles. 6 million of these are projected to be sold in Europe; somewhat fewer in the smaller but rapidly growing U.S. market.

In a recent series of reports on the booming ebike industry, CNN Tech recounted how even as recently as two years ago, Chris Cocalis, the CEO of Pivot Cycles – a purveyor of high end e-MTBs – was bemoaning the lack of interest shown by American bicycle shops in electric bicycles. Fast forward two years and the situation has decidedly reversed. Sales of ebikes are soaring and now the vast majority of bicycle dealers are crying out for electric bicycles.

So, how did this “electric bicycle fever” spread so rapidly?

A critical factor was a quantum improvement in the range that electric bicycle were able to achieve - current cruising ranges of 100 kilometers are not uncommon today. A second factor has been the steady increase in performance of the electric motors powering these vehicles. As the power increases, distant journeys once thought impossible become commonplace. A third factor fueling the boom has been the evolution in the placement of the battery and the motor. Mid-mounted motor technology has become increasingly mature. The integrated battery is now hidden in the frame, and the appearance of the electric bicycle is not far from that of traditional pedal power bicycles.





A fourth factor has been the changing demands of the marketplace. The attraction of more environmentally friendly and efficient modes of transport, coupled with an increasing appreciation for staying physically fit has led to a widening demographic of the population who would consider owning an electric bicycle. Based on a market survey report of nearly 1,800 electric bicycle owners in North America, obtaining an electric bicycle can significantly increase the frequency of riding. Before owning electric bicycles, 55% of respondents said that they ride bicycles every week. After obtaining electric bicycles, this number increased to 91%; the same report also pointed out that 94% of former non-bike-riders ride their bicycles at least once a week after purchasing an eBike.

For older people who don't often

ride, or people who for one reason or another simply never made bicycles a part of their lives, electric bikes have opened up a whole new world of fitness and enjoyment. Perhaps such people now view themselves as part of the community of cyclists and therefore much more receptive to the idea of owning a traditional bicycle in addition to their ebike. Promoting the sales of electric bicycles has a symbiotic effect on traditional bicycle sales.

Claus Fleischer, general manager of Bosche eBike Systems, had this to say about electric bicycles: "A few years ago I predicted that the market for electric bicycles would reach a maximum of 33% of the total bicycle market. Recently I have had adjust my expectations. I now believe the popularity of eMTBs will eventually reach at least 65% of the market."

As the European and American markets heat up, it would appear that most manufacturers of electric bicycles can look forward to double digit growth.

Electric Bicycles Take Off!

If electric bikes are differentiated by selling prices in major markets, the electric bicycles in the mainland Chinese market are mainly commuter-based and relatively cheap. European and American markets on the other hand continue their tradition of producing original high quality bicycles, but now extend that tradition to include electric bicycles. Thus their eBikes are as light and as stylish as their more traditional counterparts. High quality parts and features equivalent to those on traditional bicycles naturally mean higher prices



EXCLUSIVE REPORT <<



In addition to the pricing, electric bicycles can be further differentiated according to whether they are fully electric or auxiliary assisted. Electrically assisted bicycles – termed Pedelec- are quite different from all-electric bicycles, the former being defined as ordinary bicycles with battery-powered, pedal-assisted devices built on. Turning the pedals starts the small motor and provides power. The more difficult the pedaling becomes – such as when the rider is going uphill-the greater assistance he gets from the motor, and the faster he'll go. At a speed of 20 to 28 mph, the motor will disengage. At that point the rider controls his speed as if he were riding a traditional pedal bike. The additional electric power augments that produced by the rider's own pedaling motion, and may make him feel that he suddenly possesses "super legs." It is ideal for office worker who

wants to save commuting time, but also wants to enjoy the scenery along the way without arriving exhausted at the office.

Recent changes to the way electric bicycles are regulated and certified had a profound effect on the nascent eBike market. The European Union CEN standard which went into effect in 2017 lifted the ban on electric mountain bikes (E-MTBs), previously imposed by the 168/2013 regulations. Furthermore, electric mountain bikes are no longer subject to the speed limits imposed by the EU. Additionally, the removal of electric mountain bikes from the new model certification regulations means that as long as one is riding off-road, there will be no maximum speed or motor power limit. Electric mountain bikes (E-MTBs) with motors producing a maximum power over 250 W and

maximum speeds over 25 kilometers per hour will now be freed from the complicated certification process, as long as they have "off-road special-purpose" stickers. This development cannot but increase the popularization of electric bicycles and expand consumer markets. Also, newly available, are high-speed electric bicycles that have a maximum horsepower of 4 kW and a maximum speed limit of 45 kilometers per hour, but these are basically designed for competitions.

Not only are bicycle manufacturers rushing to launch electric bicycles, but component manufacturers have substantially increased their investment. In Germany, Bosch developed a bolt on electric system kit a few years ago based on the proposal of an interior engineer. Then, giant bicycle component manufacturers,



Shimano and Yamaha, followed with their development of a complete electric bicycle kit suitable for a bicycle factories to install. Upstream and downstream integration of the entire industry has created a complete electric bicycle supply chain.

In October of 2016 Triangle Cycling Equipment, backed by Portuguese companies including Ciclo Fapril, Rodi, and Miranda, started a small batch production of aluminum alloy frames in Europe. Since then, the number and complexity of manufacturing frames have gradually increased. Triangles' general manager, Luis Pedro noted, "The output of electric bike racks will reach 350,000, accounting for 70% of production. It is expected to reach full capacity by 2020. There is a lack of technological know-how of aluminum frame production in

Europe and every Triangles member learns from practice." He further noted that the TerraE Engineering European battery plant would be used for all future Li-ion battery production plants within the TerraE Group. Except for the establishment of specifications and components for the production of lithium-ion batteries, TerraE in association with other battery companies will form a very large manufacturing supply chain.

European market

Europe's major bicycle markets have been turning to electromobility since 2017. Electric bicycles, electric mountain bikes (E-MTBs) and high-speed electric assisted bicycles have all seen double-digit growth. The total sales of electric bicycles in countries such as France, Italy, and the Netherlands increased by 21% in 2017. Of the four major markets, the growth performance of France last year was the most outstanding, reaching about 50%! This was followed by Italy (25%), Germany (19%), and finally Netherlands (9%).

the attention of the government's "National Awards Project", and each purchased electric bicycle received a subsidy of 200 euros. According to Jerome Valentine, president of Cycleurope Industries SAS, and president of the French Industry Association's Union Sport & Cycle, this incentive has brought about a 50% growth in sales. In terms of numbers, the French electric bicycle market grew by 30% in 2016 to 134,000 units, with an average retail price of 1,000 euros. The additional 50%, therefore, on top of last year's estimated output amounted to sales of approximately 200,000 vehicles.



France

The performance of the French market last year was so dazzling that it drew

Italy

Italy's National Industry Association, ANCMA, recently announced that its sales of electric



bicycles in 2017 grew by 25%. 155,500 electric bicycles were sold - a substantial increase from the 122,400 units sold in 2016.

Netherlands

The Dutch really love their bikes and love getting creative with their designs.

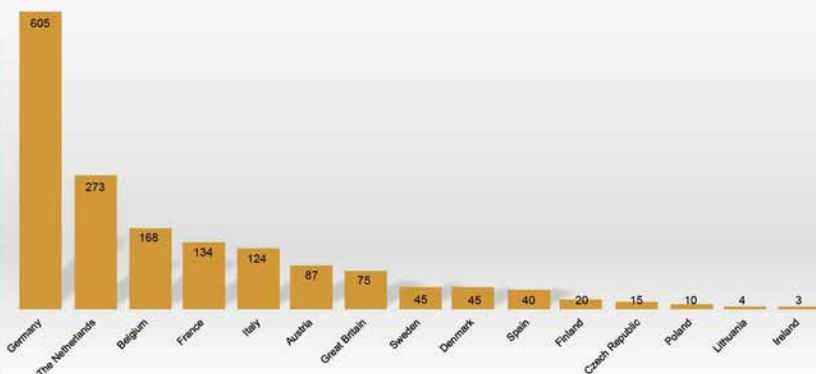
While the current population of the Netherlands is 17.1 million, the number of bicycles totals more than

22.5 million. More than a quarter of the population commute to work every day, and the per capita riding distance averages 1000 kilometers per year. The Dutch bicycle market grew by 3.2% in 2017- the first time the market experienced an overall increase in volume since 2007 with sales of electric bicycles increasing by 8.7%, to 294,000 units. Among these, sales of high-speed electrically assisted bicycles have also increased from

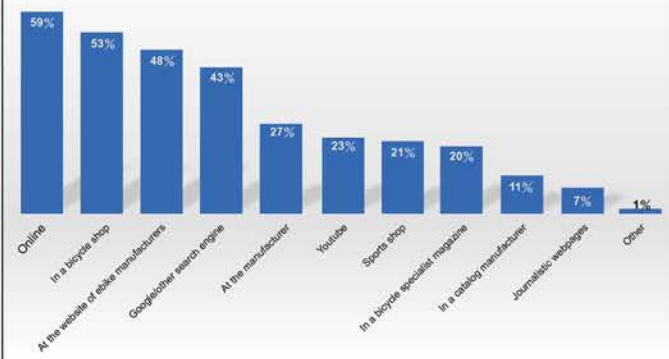
3,576 units in 2016 to 4,572 units in 2017. According to RAI Vereniging of the Netherlands Industry Association, this 27.8% growth can be attributed to the increased inventory of agents, and the popularity of this category of electric bicycles in the B2B market.

Data released by the Netherlands Industry Association and the Agency Association BOVAG, points to the market transaction volume being

Sales of electric power-assisted bikes in EU 2016, by country (in 1,000 units)



Information sources of E-bikes and percentage of respondents in USA, 2017



Sales of electric power-assisted bikes in EU 2016, by country (in 1,000 units)



suppressed for the 10 year period during which electric bicycles were promoted and popularized. However, market data from 2017 has begun to suggest a slight increase. The share of electric bicycles in the Dutch market increased from 29% in 2016 to 31% in 2017. Electric bicycles accounted for half of the total bicycle market value of 976 million Euros. The primary reasons for the increase are the popularity of the current charging infrastructure and the government’s recent announcement that they would ban the sale of fuel vehicles by the year 2025.

Belgium

The popularity of electric bicycles in Belgium is the highest in Europe. Philippe Decrock of Traxio, the national industrial organization, said, “One out of two bikes sold today is an electric bicycle. Two years ago, that ratio was one out of three.” The Belgian electric bicycle market has grown significantly. Kris Peeters, Minister

of Consumer Affairs in Belgium, has proposed new regulations for liability insurance for electric bicycles. One of the proposals is for cancelling the current requirement that electric bicycles and high-speed auxiliary electric bikes carry insurance. The only exception would be the throttle high-speed electric bicycle that can automatically start at a speeds of more than 22.5 kilometers per hour. Additional insurance would still be required for the L1e-A category according to EU Article 168/2013

Austria

The wave of electric bicycle sales has reached a record high in the Austrian market. In 2017, the total sales of electric bicycles in Austria was 120,474 units, and the total market share of bicycles in the country reached 29.1%. According to the industry association VSSÖ, “Electric bicycles in 2017 have now attained a one-third share of the Austrian market and have been the

best performing class since 2010.” In view of the increase in sales, ARGE-Fahrrad, an Austrian bicycle industry group owned by VSSÖ, decided to divide the electric bicycles into two categories: STVO electric bicycles and electric mountain bikes. The sales of STVO electric bicycles, which belong to the road category, totaled 53,406, while electric mountain bikes reached 67,968- an increase of 39.2% compared to 2016. The unit price was 17.1% higher than in 2016 and reached €1054.

Germany

The German Industry Association ZIV (Zweirad-Industrie-Verband) stated that the total bicycle market in Germany saw sales of approximately 3.85 million vehicles in 2017, a decrease of 5% compared to 2016, and total sales of EUR 2.69 billion, an increase of 3.2% over 2016. If sales of spare parts are included, it is estimated that Germany’s total revenue in 2017 will be €5.4 billion.



Among the overall figures, a total of 720,000 electric bicycles were sold. Electric bicycles currently account for 19% of the total sales of bicycles. ZIV expects this number to reach 23-25% in the next few years, with a total sales volume of nearly 1 million units. They further expect the long-term market share to grow up to 35% with sales totaling 1.35 million. ZIV pointed out that about 99% of electric bicycles sold in Germany are 250 watts and 25 kilometers per hour. The remaining 1% are high-speed electric pedelecs, which manage 45 kilometers per hour. This type requires certification and is subject to applicable helmet and insurance laws. Of the 99% mentioned

above, the e-City bike takes the lion's share, accounting for 38.5% of total sales. Close behind are e-Trekking bikes responsible for 35.5%, followed by e-MTBs comprising 21.5%. Bringing up the rear are Cargo bikes which account for 3%. Electric bicycles in Germany are not only seen as environmentally friendly and space-saving modes of transportation, but also considered popular sports and leisure vehicles in themselves.

Norway

Norway, with a population of just 5.2 million people, has more than 100,000 electric vehicles. The high density of electric vehicles in

Norway has encouraged Tesla, a star player in the electric vehicle industry, to get involved in Norway's market. Last year Tesla announced that it had chosen Norway as the site for Europe's largest "super charging station." This facility would be able to provide simultaneous battery charging services for up to 42 electric vehicles, and will be conveniently located next to the highway. Norway is undoubtedly at the forefront of European electric vehicle trends. Statistics show that electric vehicles and hybrid electric vehicles accounted for 52% of the country's total new car sales in 2017. This is a significant increase from the already striking





40% recorded in 2016, confirming Norway's pioneer status in the field of non-fossil fuel transportation. Norway in fact started to develop their electric vehicle industry as early as the 1970s and launched a series of preferential policies and subsidies to support its development such as reducing the taxation burden on electric vehicle companies. To the daily commuters and leisure riders, the government provides a large number of charging devices, a reduced tax burden and the benefit of parking subsidies on certain road sections.

Taiwan

In major European markets, such as France, Italy, the United Kingdom, Sweden, Norway, and Belgium,

subsidization and other pro-bicycle policies have had a significant positive impact on sales.

Similar to the French, Swedish, and Norwegian governments who provide subsidies for the purchase of electric bicycles, the Taiwanese government grants up to NT\$13,000 to those wishing to purchase an electric bicycle. Promoting greener transportation policies has the desired effect of making electric bicycles increasingly popular for Taiwanese commuters. In addition, Taiwan's more than 40 years of OEM experience and excellent design capabilities have made Taiwan one of the major suppliers of traditional and electric bicycles in the world. Visitors and sightseers to Taiwan are encouraged to experience the convenience and comfort of an electric bike.

United States

In the United States, there are about 120 to 150 companies actively promoting and selling electric bicycles. Due to the lack of clear legal regulations and the specific HS code for electric bikes, the difference between the import and sales data of

electric bikes in the United States is substantial. The good news is that the continuing growth of electric bicycles has been accompanied by a steady growth of traditional bicycles. In order to promote the acceptance of electric bicycles in the United States, BPSA has cooperated with PeopleForBikes in the United States and actively facilitated the implementation of relevant laws and regulations in many states. In early April of this year, for example, New York announced that new e-bike regulations will allow pedal-assisted e-bikes to be legally licensed. The new regulations will help New York City achieve a healthy cyclist population by 2020.

Unclear regulations, and lack of regulatory standards for electric bicycles remain an obstacle to achieving the kind of success enjoyed by other countries. In fact there are only eight states which currently maintain relevant regulations for electric bicycles and e-MTBs. Three other states are in the process of implementing some kind of regulatory code. The remaining 39 states have made very little progress in this area. Larry Pizzi (President of the North



American Electric Bicycle Division of Accell Group and Chairman of the BPSA E-Bike Commission) stated, "The current legislative process related to electric bicycles in the United States is handled by the state government, not the national government. If we want to influence the rest of the country, New York must be the first to pass appropriate legislation, not least because electric bicycles have been listed as illegal for four years in the city! If the regulations are clear, it would naturally help sales. We would

expect legislation governing the sale and operation of electric bicycles in all 52 states to take probably three to four years to develop."

The San Francisco Transportation Authority (SFMTA) approved the operation of a dockless shared electric bike system in February this year - a service pilot project launched by Uber in collaboration with startup JUMP Bikes. Riders can use the Uber App directly to find nearby available JUMP Pedal assisted electric bikes, and then

make sure that they return their bikes to the public bike stand displayed on the Uber App. JUMP is responsible for managing related operations, and making sure the availability of nearby bicycles matches user demand. Plans to expand the user base of bicycles and increase the options available for each vehicle are in the works. Uber and JUMP expect that bicycles will become an integral part of "shared mobility on demand." At present, both parties will focus on making the pilot program a success in San Francisco.





New Trends in Electric Bicycle Law: “Unification of Standards”

The European Union Electrotechnical Standardization Committee (CENELEC) issued the standard for chargers and batteries used in electric bicycles and light electric vehicles (LEVs) – under the heading, European standard specification EN 50604-1. Since 2016, regulatory standards and safety regulations for electric vehicles have gradually been implemented and

modified as necessary. Due to the lack of clear regulations and standards for electric bicycles, stories of battery damage caused by the use of low-end electric bicycles have concerned electric bicycle fans around the world. The World Bicycle Industry Association (WBIA) represents the worldwide bicycle, electric bike, bicycle parts and accessories industry. WBIA was officially established in Switzerland at the end of December 2017 with the Japan Bicycle Association (BAJ), the American Bicycle Product Suppliers Association (BPSA), the European Bicycle Industry Alliance (CONEBI), and the Taiwan Bicycle Association (TBA). The China Bicycle Association was an observer (observers do not pay, receive only WBIA information and have no voting rights).

It was agreed that manufacturing standards for electric bicycles, electric two-wheeled vehicles, and their components must all be unified, and the highest quality should be maintained to achieve the greatest level of safety possible.

New Development: Seamless Integration of Motor and Battery

From the earliest motor to the crank-driven, rear-wheel direct drive; thence to front-wheel direct drive, friction wheel assistance and assorted other electric power-assisted methods, the evolution of the electric bicycle inexorably leads to the full integration of a mid-mounted motor and battery.

The rider needs a quiet ride. She also wants a good looking ride. The installed components must therefore be arranged to accommodate the rider and achieve these goals. The advantages of the battery integrated with the mid-mounted motor and frame, together with the five bracket shells, is that this configuration affords the most stability and provides for a perfect balance. As an example, the American Specialized electric bicycle is sexy and chic. The folding electric bicycle of France’s V’Lec Cycles is similar to the British Brompton, but more slender. In both, the battery is naturally hidden in the body. The combination of aesthetics, efficiency, and functionality is very appealing to those looking to purchase a bicycle. Brose, TranzX and Conti first showcased mid-mounted motor and battery integration at the 2016 European show. The design allows safe operation and increased comfort,



as well as giving the bicycle an ultra-cool look.

New trend: Smart Components for Electric Bikes

Innovative research and development that focuses on further refinements to the motor will undoubtedly become the most important niche for the market. Following Accell Group's focus on research and development, electric bicycles accounted for 63% of the company's total revenue last year, with sales exceeding 512 million euros. Electronic software and other related products have begun to be tailored specifically for electric bicycles. Helmets, locks, ABS brake technology, motion sensors, rider monitoring sensors, and other intelligent applications that cater to riders' needs are all part of a burgeoning market. New materials and techniques are continually being developed. Lars Hartmann's, for

example, is experimenting with using 3d printers using Iglidur 13 to produce bearings for electric bicycles which show wear resistance three times higher than standard materials-whether rotating, oscillating or linear.

After the Second World War, a large number of baby boomers took to cycling as a form of pleasure and exercise, and not simply as a mode of transportation. As they grew older though, many of these riders gradually gave up this unique pleasure. Perhaps bicycling was a little too strenuous. Or perhaps they just felt they lacked the time for a long bicycle journey. Electric bicycles have now come on the scene and offered these riders an opportunity to rediscover their lost pleasure, with the added advantage of providing a kinder, gentler experience. Electric bicycles have become a popular user-friendly way for both younger and older riders to travel around the city as tourists or as commuters. Responding to this demand, electric bicycles

began their rise to popularity about a decade ago, and have really taken off in the last five years. However, the industry has been somewhat caught by surprise, and many components and finished products are in short supply. The market reflects this demand, and is showing a trend of high unit prices and high growth- a trend not expected to change for at least five years, until manufacturers manage to expand the supply scale. On a personal note, while travelling around Taiwan, I witnessed firsthand the growing popularity of the electric bicycle. I had many pleasurable encounters with silver haired or even disabled cyclists enjoying their electric bicycles on the sunny city streets, many of them contemplating longer journeys out into the country. It was inspiring to hear how the electric bicycle had rekindled their youthful ambition, forgotten these many years, to get on their bikes and hit the open road. What's the expression? What goes around, comes around? ○

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Model : **VL-G3V**

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 Carbon belt drive or chain: See rewards
 Accessories: Folding fenders, front or rear rack, carry bag, smartphone mount, VELLO racing cap and much more.



Model : **VL-G3**

Frame : Double butted chromoly steel or Titanium frame and chromoly fork
 Weight : 10.9 kg titanium model
 11.9 kg chromoly model
 Folding system : Patented suspension-magnet system and folding fork
 Motor : 250W Max. assisted speed : 25 km/h (16mph) Battery life : 1000 cycles
 Accessories : Folding fenders, front or rear rack, carry bag, smartphone mount, VELLO racing cap and much more.



Model: **E3**

Type: 27.5" MTB Frame
 H/T Size: 1-1/8" Upper 1-1/2"
 E-Bike Bosch System
 Material: Alloy 6061
 Rear Hub: 142mm*12mm E-Thru



Model: **E6**

Type: 27.5" Plus Frame
 H/T size: 1-1/8" Upper 1-1/2"
 E-Bike Shimano E8000 System
 Material: Alloy 6061
 Rear Hub: 148mm*12mm E-Thru



Model: **E4**

Type: 28" Trekking Frame
 H/T Size: 1-1/8"
 E-Bike Bosch System
 Material: Alloy 6061
 Rear Hub: 135mm



Model: **E7**

Type: 27.5" Plus Frame
 H/T size: 1-1/8" Upper 1-1/2"
 E-Bike Brose System
 Material: Alloy 6061
 Rear Hub: 148mm*12mm E-Thru



Model: **E5**

Type: 28" Trekking Frame
 H/T Size: 1-1/8"
 E-Bike Shimano E6000 System
 Material: Alloy 6061
 Rear Hub: 135mm

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Universal Fit - Every bike has a seat post, clamp fits all standard seat posts

Age - From 2 years to 5 years

Weight limit - 22kgs



25.4 to 31.8mm clamp



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UL-K2

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Universal Fit - Every bike has a seat post, clamp fits all standard seat posts

Age - From 2 years to 5 years

Weight limit - 22kgs

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SORATA PRO

MATERIAL	FORGED / AL6061
OFF SET	3 mm
CRADLE	43 x 42
ANGLE	-5°~+18°
DIAMETER	30.9 / 31.6
LENGTH	395 mm / Travel 100 mm 440 mm / Travel 125 mm
WEIGHT	700 g (31.6 x 395)



SORATA COMP

MATERIAL	FORGED / AL6061
OFF SET	3 mm
CRADLE	43 x 42
ANGLE	-5°~+18°
DIAMETER	30.9 / 31.6
LENGTH	405 mm / Travel 100mm 440 mm / Travel 125 mm
WEIGHT	741 g (31.6 x 405)



COMET CARBON

COMET



ASTRO CARBON

ASTRO



TRIDENT CARBON

TRIDENT



TRIDENT OF CARBON

TRIDENT OF

MATERIAL	AL6066 / AL2014 / CARBON	AL6066 / AL2014 / CARBON	AL6066 / AL2014 / CARBON	AL6066 / AL2014 / CARBON
OFF SET	0 mm	20 mm	0 mm	18 mm
CRADLE	43 x 35	43 x 35	43 x 42	43 x 42
ANGLE	-5°~+20°	-5°~+20°	-5°~+18°	-5°~+18°
DIAMETER	27.2 / 30.9 / 31.6	27.2 / 30.9 / 31.6	27.2 / 30.9 / 31.6	27.2 / 30.9 / 31.6
LENGTH	300 / 350 / 400 mm	300 / 350 / 400 mm	300 / 350 / 400 mm	300 / 350 / 400 mm
WEIGHT	275 g (27.2 x 350, AL6066)	288 g (27.2 x 350, AL6066)	261 g (27.2 x 350, AL6066)	290 g (27.2 x 350, AL6066)





ANIMARIS

MATERIAL	FORGED / AL6061
OFF SET	23
CRADLE	43 x 31.5
ANGLE	-5°~+18°
DIAMETER	27.2 / 30.9 / 31.6
LENGTH	350 mm
WEIGHT	680 g



ANTI-SIDEPLAY
 No Side-play
 adjustment
 suspension
 system...



XOPIC2



ELEGANCE-LT OV



HARMONY-LT2 OV



SOLO

	XOPIC2	ELEGANCE-LT OV	HARMONY-LT2 OV	SOLO
MATERIAL	FORGED / AL6061	FORGED / AL6061	FORGED / AL6061	FORGED / AL6061
CRADLE	43 x 35	43 x 30	43 x 32	43 x 36
ANGLE	-5°~+20°	-5°~+18°	-5°~+18°	-5°~+18°
DIAMETER	27.2 ; 30.9 / 31.6 ; 34.9	26.8 / 27.2 / 30.6 / 30.9 / 31.6 / 34.9	27.2 / 30.0 / 30.6 / 30.9 / 31.6 / 34.9	27.2
LENGTH	305 / 355 ; 300 / 350 ; 435 / 470 mm	300 / 350 mm	300 / 350 mm	305 / 355 mm
TRAVEL	30 / 40 ; 30 / 40 / 50 ; 30 / 40 / 50 mm	50 mm	50 mm	40 mm
WEIGHT	513 g (31.6 x 350)	530 g (31.6 x 350)	536 g (31.6 x 300)	471 g (27.2 x 305)



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TUBELESS



U28 TL

29"X28C-38C (462 gram)

27.5"X2.20 (435 gram)

26"X2.20 (413 gram)

TUBELESS



U40 TL

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26"x2.2-2.8 (579 gram)

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VENUE: NATIONAL EXHIBITION AND CONVENTION CENTER (SHANGHAI)

展览地点: 国家会展中心(上海)

规模: 170000平方米/7500个展位 | SCALE: 170000M²/7500BOOTHS



官方微信



疯骑

The 2018 China Bicycle Exhibition

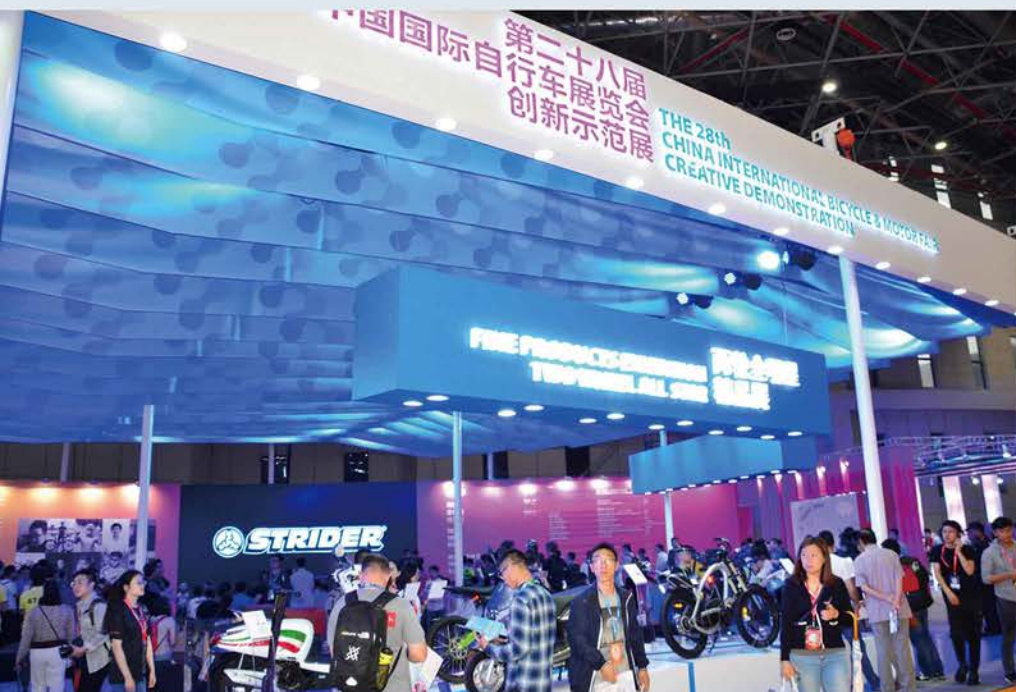
The exhibition has evolved over 28 years from an original focus on manufacturing to one of creation and design.



Proudly marking its 28th year, the 2018 China International Bicycle Exhibition (the “China Exhibition”) was held at the Shanghai National Convention and Exhibition Center from May 6th to 9th. The themes of the very first exhibitions, such as transacting business, and communication have, over the years tended to give way to greener themes. A new emphasis on environmental protection, and themes about health have reflected the social and economic changes that have occurred in China, along with the changing role of the bicycle in Chinese society. The theme of the China Exhibition this year was “A Smart World,” and on display were recent breakthroughs in electric bikes and smart bike technology as well as current trends in producing lightweight and fashionable

bicycles.

The 2018 China Exhibition display area increased to a substantial 180,000 square meters, and the number of booths reached 7,500. There were six exhibition halls this year including separate areas for electric bicycles, motorcycles, children’s bicycles, and outdoor cycling supplies. A cross-strait industry forum was held to promote discussion and cooperation. There were no restrictions placed on the number of professionals attending the conference, and the general public was also encouraged to attend. Close to 160,000 visitors attended the exhibition this year with nearly 20% from overseas. While the number of visitors to the China Exhibition has remained pretty steady over the last two years, there were noticeable absences in the number and variety of some of the more famous brands.



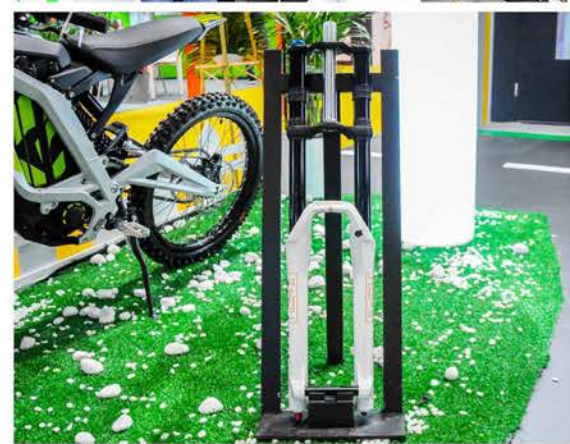


Absence and Return of Famous Brands

In 2018, the “New National Standard” for China’s bicycles comes out and bicycle specifications will impose greater challenges on mainland manufacturers. International brands such as Trek, and Specialized were not represented at the exhibition this year. Some brands have had unsatisfactory market revenue in China in recent years, and are still looking to find a marketing model that is more effective in meeting their needs. Although the domestic market is stagnant, many booths saw foreign customers negotiating business deals, suggesting that the export market remains hot. While many well-known brands were absent, there were also many big manufacturing names attending. Giant, Merida, Pinarello, Wilier,

Shimano, Sram and other big names all exhibited and showcased their flagship products. And even though some brands did not themselves exhibit, their products still appeared on the booth of their agents or partners.

Overseas companies participating for the first time this year included Clarks Cycle Systems, a UK component manufacturing company; KOLIKEN KFT, a Hungarian company established in 2010; CeramicSpeed, a Danish company that specializes in ceramic bearings; and KTM, which returned to China after an absence. Taiwanese companies included Giant, Merida, KMC, Kenda, Cheng Shin, Pacific, and Ming Cycle.



Creative Awards and Exhibition Highlights

Ma ZhongChao, chairman of the China Bicycle Association, the organizer of the exhibition, said that in the future China's bicycle production will undergo industry-wide transformation and upgrading. Before the official start of the exhibition, the organizers presented the "CHINA CYCLE Innovation Product Selection" awards to winning enterprises whose products included Liv Langma Advanced SL0, Merida Big7 900 Mountain Bike, and Wellgo Q-Factor Adjustment Device among others. Ten products won the special award for creativity this year. Four awards went to Taiwanese companies Giant, Merida, Gigantex, and

Wellgo. Award-winning products including Novatec R3 Disc and the aluminum alloy full suspension e-bike frame from Kinesis were subsequently displayed at the "Innovation Pavilion" at the entrance of the exhibition, attracting many buyers to stop and visit.

Also among the award-winning products was the extremely popular Propel Advanced Pro Disc, rated by the foreign media as the best integrated system for wind-breaking effect. Utilizing integrated hidden-wiring and ultra-low drag truncated aerodynamics, the tubular design of the seat section and the integrated Tee-Joint seat make for a very rigid frame. The other product is the Liv Langma uphill road bike especially made for women, which is equipped with a pneumatic Contact SLR Flux stem. The pedal platform of the vehicle adopts a Mega Drive2 rectangular pipe and a powerful Power Core bottom bracket, along with the SRAM Red eTap radio kit and the Quarq red power sprocket.



Merida also exhibited the Merida Reacto Team-E, the main vehicle of the Merida Racing Team on the Bahrain World Tour. The lower positioning of the stem and the lighter weight of the forks, seat posts, and headset components make for an extremely attractive package. The three big guns exhibited by Merida this year included the Merida Reacto Team-E, Ninety Six 7 Team and Scultura Team. Along with strengthening the structure of the mountain bike, improving the road bike is also one of Merida's future brand development goals.

Although the theme for this year was "A Smart World," the products attracting the most attention at the show were still the component parts and conventional bicycles such as Cannondale and Incolor - the latter product created to honor the last male white rhinoceros who died earlier this year. With a careful eye for detail, the frame and the top tube were coated with red silver, then connected to the front and the rear forks which were emblazoned with a rhino head pattern and the texture of rhino skin. Shimano included the R9100-P power meter in addition to their display of e-bike kit products. Shimano's gauges, Top Speed gear kits and S-Phyre equipment were particularly eye-catching. SRAM Eagle's™ new DUB crankset, and Velo's high-end brand Prologo brought many new saddle models to the show. FSA's transparent acrylic frame model dramatically revealed the structure of



the K-Force WE electric transformer kit. The Italian saddle brand fizik's products were marked by diversification. They brought Infinito R1 weaved shoe uppers and team edition cycling shoes with cleats made of unique SSTB pipes.

Hand-crafted machines fashioned by Japanese master Miyata, focused on racing bike strength and lightness. Marushi, with more than 120 years of history behind them, displayed city commuting bikes- simple but aesthetically very pleasing.



Exhibition Event Highlights

In addition to viewing the array of new products, participating guests of the Shanghai National Convention and Exhibition Center North Plaza were offered free trial rides, courtesy of Cannondale, Besv, Merida, Giant, Liv, and Yotsuba Cycle. Visitors could get a taste of the superior performance of the latest bikes.

There was also a variety of exciting activities this year including classic performances by the China International Extreme Sports Cycling Masters, a fashion show presented by CHINA CYCLE, and a bicycle photography competition. Best Enterprises Booth Selection and other events in China were also featured, and a variety of interactive activities allowed visitors even more opportunities to deepen their enjoyment

of biking and bicycle culture.

Kids were by no means sidelined during these four days. The China Exhibition organized two high-involvement programs for children, with many activities including cycling around specially designed bicycle playgrounds. Marking their debut at the Shanghai Exhibition were “balance bikes”- bicycles for children that do not have pedals, but rely on the child learning how to balance - a prerequisite skill for riding a pedal bicycle. The Strider cup - a series of competitions organized by the North Hall of the exhibition featuring Strider's own brand of balance

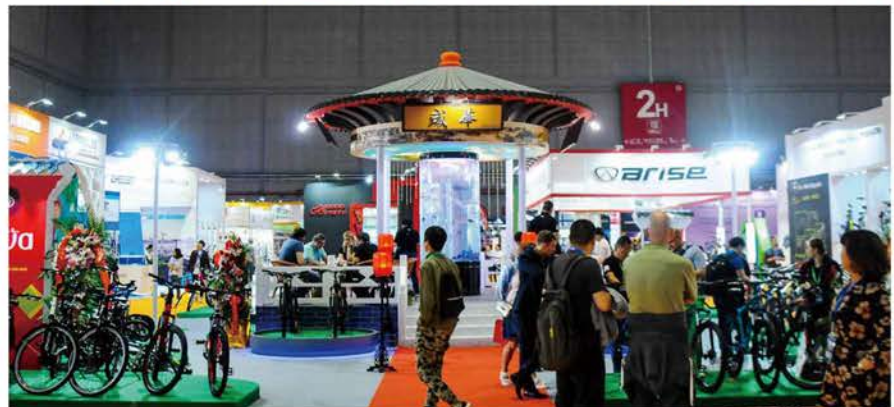
bikes – afforded parents and kids 2 to 5 years old, an exciting opportunity to share the thrill of racing and other competitive games



Conclusion

Overall, the popularity of the China show this year was flat, and with the collapse of the “bike-share” market in the second half of 2017, shared bikes were absent from this year’s China Exhibition as well. Even Mobike and ofo, has shown little movement this year. Only certain divisions of the spare parts suppliers were still showing their wheels, tires and other spare parts used for bike-sharing. The capital investment boost and the bonus from the second-birth policy have shifted the market share from bicycle sharing to children’s balance bikes. Major manufacturers are striving to catch up with this express train. This year’s China Show also clearly enhanced the role of baby strollers, and commuter-oriented bicycles such as scooters, and balance bikes. Topline products in children’s protective gear, and children’s riding outfits, all launched this year.

In 2017, China’s bicycle production reached 88.3 million units, the export volume reached 56,404 million units worth 3.11 billion US dollars. Electric bicycle production reached 30.97 million units with exports accounting for 7.301 million units or 1.44 billion US dollars. Clearly the vast Chinese market presents a lucrative challenge that will continue to draw the big players for many years to come. ○



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Oct. 31 - Nov. 03 **2018**

Taipei Nangang Exhibition
Center, Hall 1 & TWTC Hall 3



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Organizer:



Co-Organizer:



2018 Eurobike Taiwan Pavilion Guidance

The Taiwan bicycle industry has been devoted to brand marketing and high-end products in the international market, and has become the global production center of

high-end bicycles and components. Taiwan's bicycle industry has a leading position in the global bicycle industry; and Taiwan bicycle suppliers are indispensable exhibitors in all important bicycle trade shows. Especially in recent years, Taiwan's bicycle industry has been devoted to R&D and has launched many eye-catching new designs one after another. These designs have received world class awards such as the iF Design Award and the International Bicycle Design Competition. As of now Taiwan is not only a leading bicycle producer, but also an innovator in the global bicycle industry; just as the saying goes: "Think bicycle, Think Taiwan."

Being the first specialized bicycle news medium in Taiwan, Bicycle Today has played the role of connecting international buyers and the Taiwan bicycle industry since 1984. We provide the latest industry news, and you can see us in many international bicycle shows such as EUROBIKE. Buyers are welcome to pick up the free Taiwan Bicycle Guide (TBG) and our European/ American Special

Editions, which contain new product information and industry news, from our own stand.

Trade visitors are more than welcome to visit our booth at A6-413 in EUROBIKE.

By visiting joint stands organized by Bicycle Today, you'll be able to view the best of the Taiwan bicycle industry in the most efficient way. Our well-organized stands display all kinds of complete bicycles, components and accessories; every single piece is selected from Taiwan's best. You will also have many opportunities to communicate directly with manufacturers from Taiwan. This year we have 33 exhibitors in EUROBIKE, which are located in Hall A6, from booth No. 406-419, 314, 316-327, 108-112.

With the guidance of Bicycle Today, you can easily gain the best deals in the shortest time and spare yourself the hassle of touring around the wide exhibition grounds. We also provide consultation services concerning Taiwanese suppliers, which help you to choose the most suitable business partners.

For your convenience, we would like to give you a brief preview and introduction of our exhibitors before the upcoming big show – EUROBIKE, which starts on the next page. All the exhibitors look forward to showcasing

their state of the art technology and their top of the line products- mountain e-bikes for example, which are very hot in the U.S. market right now. If you have any further inquiries or concerns, you are more than welcome to visit the exhibitors directly or simply contact us. We are looking forward to meeting you on the exhibition grounds, and we wish you a great and successful visit.

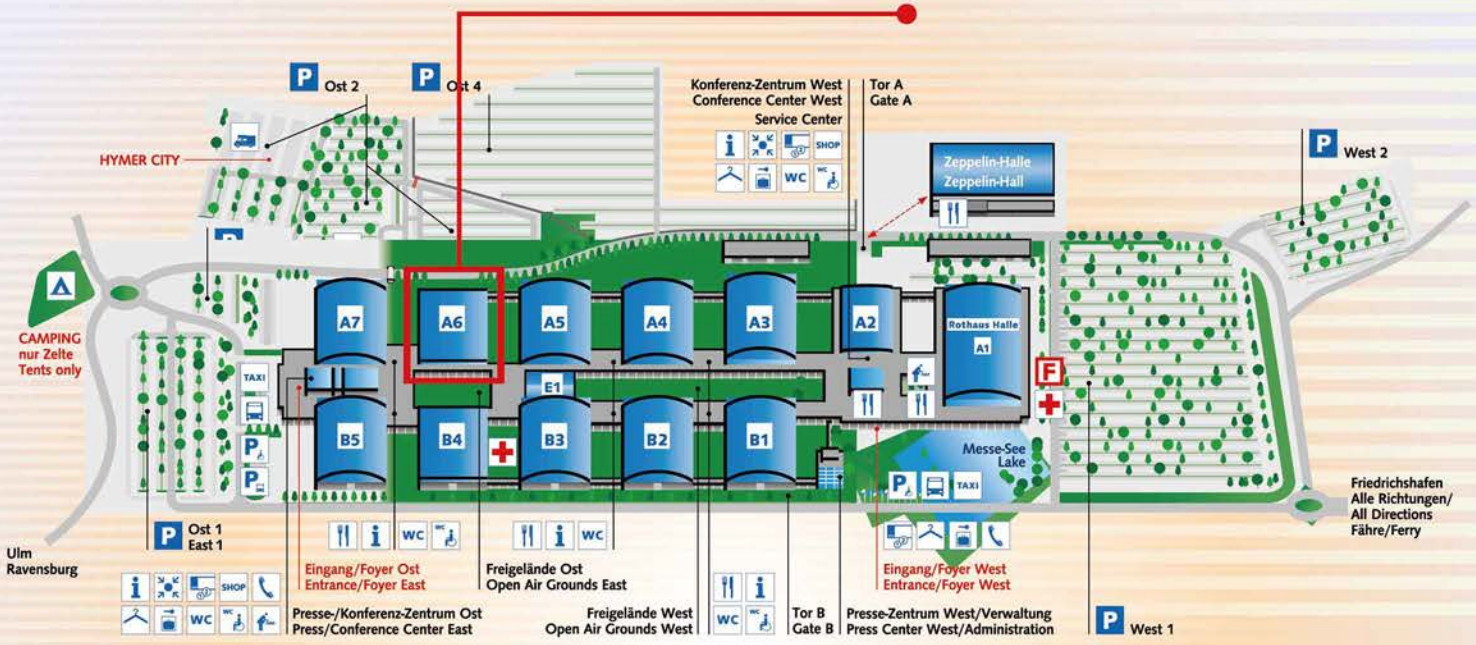




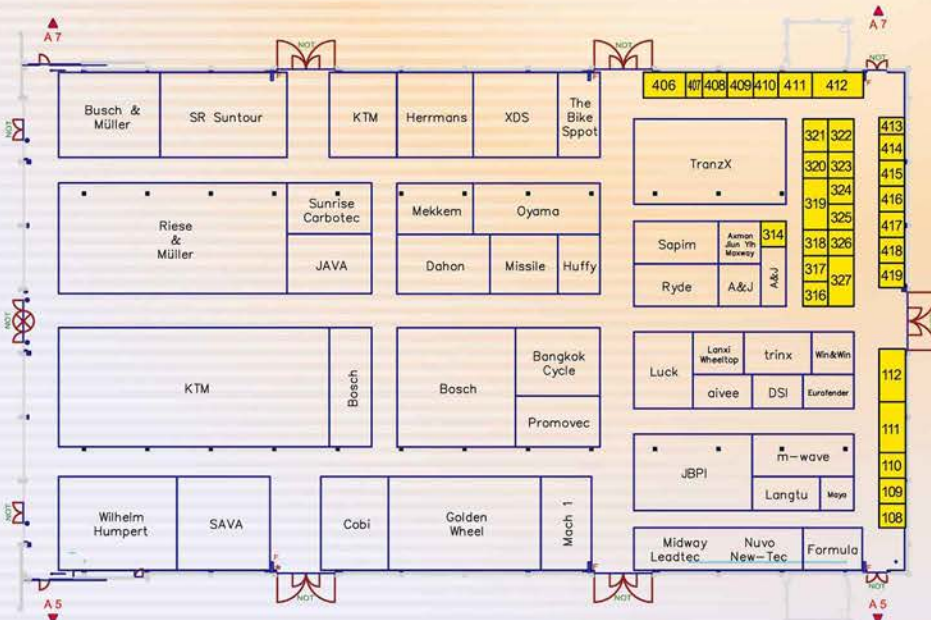
EUROBIKE PREVIEW

Location Map

ASIA BIKE MEDIA



Halle A6*EUROBIKE 2018



COMPANY NAME	BOOTH NO.
Acetrikes Industrial Co., Ltd.	A6-412
Aforge Enterprise Co., Ltd	A6-407
Airbone	A6-323
Ashima Ltd.	A6-415
Asia Bicycle Trading Company	A6-327
GHL Ging HWA Logn Hardware Industry Co.	A6-416
Gomier Manufacturing Co., Ltd.	A6-414
Heng Feng Bicycle Co., Ltd.	A6-411
High Cedar Enterprise Co Ltd-	A6-418
Huang-Chieh Metal Composite Material Tech. Co., Ltd	A6-314
Hubsmith Co., Ltd.	A6-110
J-MEX Inc.,	A6-320
Jedan Int. Co., Ltd.	A6-417
Kamigawa Co., Ltd.	A6-410
King Ritz Enterprise Co., Ltd.	A6-410
King Roof Ind. Co., Ltd.	A6-409
Lung I Machinery Works Co., Ltd.	A6-406
Mien Industrial Corp.	A6-326
Order Center Industrial Corp. Ltd.	A6-319
Paco Bike Co., Ltd.	A6-109
Reynolds Technology Ltd.	A6-317
Rodrigo Industrial Corp.	A6-322
San Yakos Enterprise Co., Ltd.	A6-111
Shun Shing Ind. Co., Ltd.	A6-316
T-Global Technology Co., Ltd.	A6-318
Taiwan Hanbin Machinery Co., Ltd.	A6-112
Top Rite International Co., Ltd.	A6-408
U-Logis Co. Ltd	A6-419
U-Power Collection Ent. Co., Ltd.	A6-108
Yeu Chueh Industry Co., Ltd.	A6-324
Yu Hub Industrial Co., Ltd.	A6-321
Yung Fang Plastic Co., Ltd.	A6-325

**Knight
MOUNTAIN BIKE SHIMANO XT 22-SP**

Frame	ALLOY 27.5
Fork	SR RAIDDN-XC LOR DS
Chainwheel	SHIMANO DEORE XT 36-26T
Front Derailleur	SHIMANO FD XT
Rear Derailleur	SHIMANO RD XT 11-SPEED
Handlebars	FSA SL-K UD Carbon
Stem	FSA SL-K UD Carbon
Seat Posts	FSA SL-K UD Carbon
Wheel size	ALEXRIMS VXD4 27.5
Tire	CST M339RU 27.5X2.0



<p>ACETRIKES BICYCLES (TAICANG) CO., LTD. 見誠自行車(太倉)有限公司 - CHINA Tel: +86-512-53452188 Fax: +86-512-53456215 E-mail: kenwu@acebike.com.cn jenny@acebike.com.cn http://www.jce-jcb.com/</p>	<p>ACETRIKES INDUSTRIAL CO., LTD. 見誠工業股份有限公司 - TAIWAN Tel: +886-4-8858121 Fax: +886-4-8851345 E-mail: albertyang@acebike.com.tw joanwu@acebike.com.tw</p>
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TUBE in the past



Wrinkle Surface



Smooth Surface & Better Strenght

Innovation break through



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ZT-B026A
Ratchet and Light Tool Bar



Material : S2
Remark : S2 Steel 59±2HRC

A= Bit 10pcs



Push to open

FEATURE

Specification
S2 shock-resistant-25 mm
2, 2.5, 3, 4, 5, 6mm key
wrench, +(PH1), +(PH2),
-SL5, T25 star key
Size : 21 x 21 x 139.5 mm
Weight : 127 g



ZT-A15
Full range quick setting and
release valve

Release button

Hose Ø10mm

Hose Ø8.5mm

Replaceable hose
specifications



Choose valve
P= Presta valve S= Schrader valve

quick setting and release



ZT-A15
Operation Video



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Made in Taiwan



BOOTH NO.
A6-323



AT0104-OR-A w/spring

- A: The mounted fins help to let the air go through the pad when using; to take away the hot air produced by the pads at the same time.
- B: The various heights of the fins create the maximum area to dissipate heat generated.
- C: Air flow channels enhance the heat dissipation

AR45R-P-AL (Alloy), AR45R-P-PCAC (Carbon)

The pad is compatible with 4 different shoes as shown above.
The surface design provides excellent braking performance, and is suitable for all weather use.



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BOOTH NO.
A6-415



E2

Type: 27.5" E-Bike Frame
 Material: Alloy 6061
 H/T Size: 1-1/8"x1.5" Taper, Integrated
 Shimano System E-6000
 Battery location: D/T
 Code: DLFM002-27.5483



Holland

Type: 28" E-Bike for Shimano Steps
 Material: Alloy 6061
 Fork: Suntour NEX Fork
 Motor: 250W, 25km/hr
 Battery: 36V x 11.6Ah
 Gear: Shimano NEXUS 8-speed



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GHL-850C Chain Type

Armor Lock Series and GHL-127 series



GHL-130A



GHL-127



GHL-323A



GHL-127A



GHL-127C

Pad Lock



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GHL-850A Armor Type



GHL-850 Cable type



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About

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If you need a comfort and safe recumbent trike. TP-3000 will be your best choice.



TR-6000-E

About

TR-6000E is a multifunctional cargo tricycle.

Made by aluminium 6061 and powered by electric motor. No matter pavement goes uphill or you have to pedal a long way home, TR-6000E is your best choice.

The design of TR-6000E is simple and full of post modern style. The lower seat stays give greater space for your cargo and can be adept different goods with various shape. This Tricycle is the perfect match for startup.



TR-716E

About

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Mavic Cosmic Pro Wheelset

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Mavic Cosmic Pro Carbon Exalith Wheelset

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A6-411



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- ★ shine your bike

HC-OBSIDIAN

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Product Features:

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 - 2. The ceramic layer is distributed throughout the wheel .
- ※ The advantages of ceramic layer
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- up to 5 lm
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- up to 120HRs

Fixed Ring



BKS-G2

- 6 Super Bright SMD LEDs
- up to 20 lm
- 550mAh Li-polymer
- up to 120HRs

Silicone Rubber Band



BKS-G3

- 10 Super Bright SMD LEDs
- up to 35 lm
- 420mAh Li-polymer
- up to 40HRs

Silicone Rubber Band



BOOTH NO.
A6-320



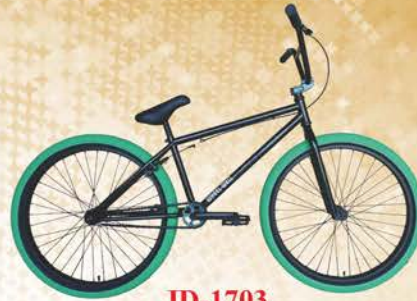
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JD-1601
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Body	Nylon Fiber
Bearing	Ball bearing
Spindle	Cr-Mo
Color	Any color
Size	100mm X 105mm X 24mm
Weight	322g / prs.





Model No. YST-899-1

Fixed Differential Gear Device with 22T sprocket,
Axle length modifiable

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3X!!!

iPhone 4S: 11.5 cm x 5.9 cm
New Folding Bike Rack: 17.8 cm x 34.7 cm
Traditional Tubular Trunk Rack: 45.5 cm x 72.5 cm

V.S.

NEW

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MODEL: Le1-650B-M12

Type: 27.5" mtb Frame
Material: el
Tensile Strength: 450map
H/T Size: 1-1/8 Upper, 1-1/2
Available Size(C-T): 15"-21"
Raw Weight: 1.6kg(17")



MODEL: Le1-700C-R06

Type: Time Trial
Material: El
Tensile Strength: 450map
H/T Size: 1-1/8 Upper, 1-1/4
Available Size(C-T): 460-610
Raw Weight: 1.4kg(520mm)



LUNG I TECHNOLOGY CO., LTD.

Add: No.3, Kung 10th Road, Youth Industrial Park, Tachia Dist., Taichung City 43768, Taiwan

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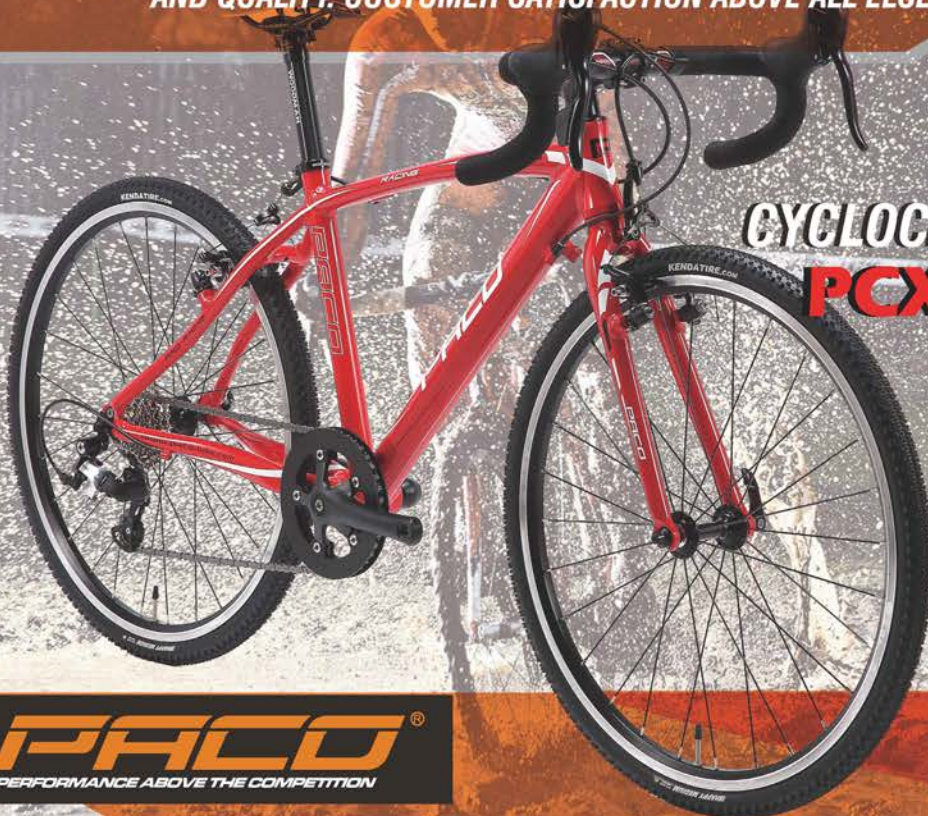
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BOOTH NO.
A6-322

OPTIMIST



OPTIMIST

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When she purchase the company in 1986, Mrs DOMILY YANG, SAN YAKOS general manager can't image how this bicycle business will take all her life. In SAN YAKOS, the main purpose is to be always in advance on the market.

Everybody in this business is important. Users have their wishes, Makers their new ideas, and Our business is to be in the middle and to create and organize the communication and the promotion between buyers and makers, between dreams and reality.

In our company you can find all bicycles parts, traditional one, BMX, MTB, Racing but also prestigious material as ALLOY 6061, 7005, Carbon or TITANIUM, through us you can purchase in TAIWAN or CHINA. Our head quarter is in TAIPEI but we have also offices in SHENZHEN and SHANGHAI.



Our success in this market is the result of the way we consider it; We don't work with buyers or makers but in both sides we have partners and we try to join their request. Be one of us, we wait you in our team. Bring us your requests, your dream, your wishes and your orders, we will try to satisfied it in short time and with smile and happiness. (Attached is the picture with our French Agent Mr. Charles Gagne)



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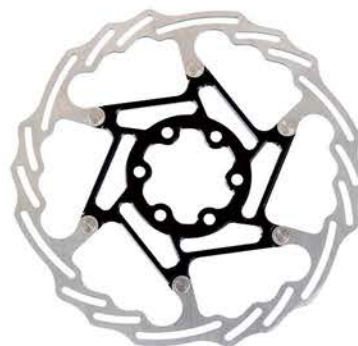
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 VENTS: 22+ VISOR: NO
 SIZE: M/L (57-61)
 WEIGHT: 250g



LB18HM02
 IN-MOLD, MATERIAL: EPS+PC SHELL
 VENTS: 15+ VISOR: YES
 SIZE: M/L (57-61)
 WEIGHT: 315g



LB18HM04
 IN-MOLD, MATERIAL: PC SHELL
 BLACK AMERICAN EPS, NYLON STRAP
 VENTS: 24+
 SIZE: M/L (54-61)
 WEIGHT: 250g



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 IN-MOD / PC+EPS
 SIZE: 54-61CM



LB18HM08
 18 VENTS / IN-MOD
 PC+EPS
 W/VISOR
 SIZE: 58-62CM



LB18HM09
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 W/LENS
 SIZE: 58-61CM
 WEIGHT: 260



LB18HM10
 20 VENTS / IN-MOD
 WEIGHT: 268g L:58-61CM



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 WEIGHT: 270g



LB18SD04
 SIZE: 275X140MM
 WEIGHT: 295g



LB18SD02
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 WEIGHT: 340g



LB17SD09
 SIZE: 280X140MM
 WEIGHT: 250g



LB17SD10
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 WEIGHT: 301g

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Wheel Size: F/18",R/24"
Size of carrier:55*40*35CM
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G633

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JD-1604
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UL-K2



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25.4 to 31.8mm clamp



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Steel Foot Rest



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Diablo XL

When we set out to design and ultimately produce this wheelset we had all kinds of sayings and terms thrown up on the project board. Things like 'Do it all', 'Swiss Army Knife of wheels', 'All-around', 'Enduro', 'Downhill', on and on. We realized what we were looking for was a wheelset...well, for the riding we all enjoyed most. The rides where you just roll out into the mountains with your crew. The ones where you climb for a couple of hours, talk, sweat, hurt a bit, all to get to the top, the sacred place. The place where the realization that things are about to get rowdy sets in. The place where you cheers your crew for everything your thankful for, flip the fun switches, and just before you point your rig into the void below... you take that deep breath. This is the place we treasure the most, we live for those moments, and all that follow. The Diablo XL is our answer for everyone looking for the wheelset to accompany us in these moments, regardless of what comes next.

The Diablo XL is a wheelset with an internal width of 30mm, tubeless ready out of the box including valves, comes in 27.5 or 29. These wheels have been tested everywhere from out our back door in the mountains of the eastern United States to Southern California desert, to the loam of Pacific Northwest, and on the steep slopes of the World Cup DH and Enduro World Series tracks. Since e-bike can take riders go up and down easier to enjoy various different mountain trails, so the stiffness and reliability are the key elements. And we have truly created the wheels we all wanted....and we are STOKED!

AVAILABLE IN DIABLO XL 27.5 / 29



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KAMIGAWA CO., LTD.

SUPER BIG PEDAL

Z-1905

Downhill/BMX

Body: Nylon Fiber

Bearing: Ball bearing

Spindle: Cr-Mo

Size: 110mmx125mmx25mm

(Normal: 100mmx110mmx28mm)

Weight: 395g/prs.

LIGHTWEIGHT



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External Bottom Bracket:

Out Dimension Ø46,

Length 68-73mm,

For Ø24 & Ø24/Ø22



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Suspension: KTM 4 Linkage POP System

Fox Fork 36 A Float, Perf. Grip 3pos-T-20x110

Fox Rear Shock A Float DPX2, Perf.

R. Derailleur: Sram EX18

Wheelset: KTM DiMMiX DT H1700 29"/27.5"+

Motor: Bosch Performance Line CX, 36V-250W, 25km/h

Battery: Bosch Powertube 13.4Ah – 500Wh



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AM/TRAIL

LCS-7718

FORGED

Ext. 35mm

Barbore. 35mm and 31.8mm



LCS-7718 was inspired by the requirements of some AM bikes which possess an excellent controllability and the feature of light weight.

The stem with shorter extension and special processing appearance on the side exactly keeps up with the latest trend. It not only matches customer's requirement of appearance, but also makes the weight lighter.

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E-MTB

LCS-7195

3D FORGED

Ext. 40~80mm

Barbore. 35mm and 31.8mm



We have been developing a stem which matches E-MTB, the hottest item in the market.

This one of stem must be suitable to pair a wider frame and possess higher strength, also with lighter weight.

LCS-7195 was designed from the few factors as above, we also offer the multiple extensions in barbore 31.8mm and 35.0mm

MARWI TAIWAN INDUSTRIAL CO., LTD.

Monaco

Top:PU
Base:black Nylon + Glass Fiber
Size:255 x 220mm
Weight:720(steel)gram/pc



SP-308

Body:One piece aluminium
Size: 114 x 109 mm
Weight:635 gram/pair



SP-160

Body:One piece aluminium
Size:107 x 87 mm
Weight:348 gram/pair

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Neco5-Manual Pedals

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Rove-Dynamo Hub Power Generator-UPS System

Our Rove Dynamo Power Generator converts its alternating current to direct current via rectifier and can store electricity to Neco3-1(Intelligent Portable Charger).Through Neco3-1 output, which can be used to charge any USB electronic device.



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E-mail:neco@necoparts.com
www.necoparts.com

NUVO ENT. CO., LTD.

n+1-BC156C-D

Material: Nylon + Carbon Fiber

Weight: 19g

Color: Matt clear coating with decal sticker

Features: To take the bottle from right side or left side

PATENT NO.: M553283



Tel: 886-4-7696285/7
Fax: 886-4-7696288
E-mail: nuvo@nuvo.ws
www.nuvo.ws



n+1-BC195P8

Material: Plastic

Weight: 43g

Color: Black with Red/Blue/Lime Yellow

Features: Jigsaw puzzle cage- three pieces

The special design to change right or left load by an "8" plastic part.

Recommend for standard bottle or PET bottle.

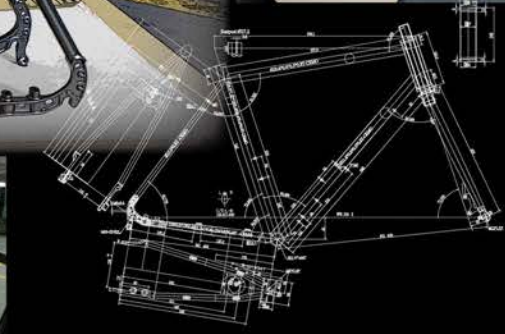
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CHINA PATENT NO.: ZL 2017 2 02759190

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We also can provide motor mounts for Shimano E-8000 and Pinion gear systems, they are made by molds which could save the cost on frames. ORA always offers the best qualities and service. Welcome to visit and chat with us.

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Multi tool 5 in 1
Versatile design makes it easier and more convenient to repair your bike

EU patent design 004543184-0001



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29" MTB E-FREEGO 24 SPEED

Frame: Aluminium alloy, size 29"
 Front fork: Alloy Suspension fork w L/O
 Rim & Tire: Alloy Rim, Kenda Tire K1104 29*1.0
 HUBS: F/ KT ALLOY HUB for Disc.
 Brake: ALLOY DISC BRAKE
 Brake Lever: ALLOY FORGED
 Derailleur: SHIMANO GEAR FD/RD-M310-SGS (24 SPD)
 Rear Motor: SENG-YI DWG-07 36V*250W
 Battery: HXH-40CF-A 36V*10.4AH W/SAMSUNG CELLS
 Controller: LISHUI, BRUSHLESS W/HALL 36V/250W
 Display: KING METER NOKE

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 Fax: 886-2-27883598
 E-mail: headoffice@bikeoptimist.com / rodrigo@ms8.hinet.net
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27.5" MTB E-CITY ESCAPE 8 SPEED

Frame: Aluminium alloy, size 27.5
 Front fork: Alloy Suspension ZOOM 189D-AMS
 Rim & Tire: Alloy Rim, Kenda Tire K 1027 27.5*2.1
 F/R HUBS: KT ALLOY HUB for Disc.
 Brake: ALLOY DISC BRAKE
 Brake Lever: ALLOY FORGED
 Derailleur: SHIMANO GEAR FD/RD-M310-SGS (8 SPD)
 Motor & Controller & Display & Sensor:
 BAFANG MAX MIDDLE MOTOR MODEL : M400
 36V*250W TOTAL SOLUTION,
 Battery: INTERGRATED FRAME BATTERY 36V*11.6AH
 W/SAMSUNG CELLS

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Crank Length: 165, 170, 175mm
Interface: ISIS / JIS
Compatible with: Bosch, Brose,
Yamaha, SR

SS-8001-E

Crank Length: 165, 170, 175mm
Interface: ISIS / JIS
Compatible with: Bosch, Brose,
Yamaha, SR

AL6

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



EC-01

Spider: BCD 104/64mm, Forged 6061/T6 alloy
Chainring: 38/24T with alloy chainguard
Compatible with: Bafun System



EC-03

Spider: BCD 104/64mm, Forged 6061/T6 alloy
Chainring: 32-48T
Compatible with: Brose System



R-2002

Integrated outside BB
Chainring: 53/39T, 50/34T. Teeth 7075/T6 alloy
Crank: Forged 6061/T6 alloy
Length: 165,170,172.5,175mm
Speeds: 9-11s



R-2000

Integrated outside BB
Chainring: 53/39T, 50/34T. Teeth 7075/T6 alloy
Crank: Forged 6061/T6 alloy
Length: 165,170,172.5,175mm
BCD: 110mm
Speeds: 9-11s

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Produce by forging.
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Prevail Glide+

- Year of the Dog design
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- Size: 265x143 mm
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SLA1210 - 12 Speed Chains + Quickly Release Safety links (QRS)

SLA1210 – YBN leading 12 Speed Chain has unique thinner design with bevel chamfering on edges of chain plates, more fluidly and less hesitation to move over the cogs, smoother and quieter to use as high shift accuracy. Pin power over 350kgf (4 times higher than EN standard). The hardness of pin and roller through DHA Chromium Carbide heat treatment are up to HV1500. Furthermore, the Teflon coating on inner plates will reduce the coefficient of friction which attain high durability with 6000~8000 kilometers.

YBN Quickly Release Safety links which has four safe section designs on the plate. These four safe section designs will perfectly control and keep the pin in stable without movable which will attain high strength, high safety and high durability. Moreover, QRS is designed as reusable within 10 times without wasting pin during the installation. With these technical and protections, QRS offer users a safety, comfortable riding.

MK410RB

MK410RB is the best chain for E-bike, City bike, Fixed-gear, BMX and all single speed bicycles. YBN new patent product MK410RB is solid bushing type single speed chain with 10 times chain life comparing with normal chains, MK410RB offer over 20,000 km service life without replacing. RB surface treatment passed over 500 hours salt spray test, shows best anti rust performance in extreme environments. Wide inner plates construction offer anti drop function and 1,200kgf high tensile strength. MK410RB combines with easy maintains, great rust resistance, high durability and excellent cost performance, which is the best choice for your bicycle.

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YBN World's most durable chain

MK410RB offer over 20,000km service life without replacing and 1,200kgf high tensile strength, best chain for public bicycles, e-bikes and city bikes



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Allround folding tools with tire & tube repair set

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WHOLE MAN ENTERPRISE CO., LTD.

2018 PROWHEEL E-BIKE DESIGNED FOR BOSCH Gen 3

E-BIKE CRANK

EB03-R-BNI
EB03-L-BNI
LENGTH: 165/170/175/178MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 400G(PAIR)

EB04-R-BNI
EB04-L-BNI
LENGTH: 165, 170MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 490G(PAIR)

STEEL CHAINRING

PRO-38T-1
CHAINRING MATERIAL: STEEL
CHAINRING FINISH: RED
BCD: 108MM

SPIDER

SPIDER: BA 1001
MOUNTING ALTERNATE KIT
MATERIAL: AL 6061 T6
FINISH: BLACK SAND AND
BCD: 108MM

CHAINGUARD

AG62
CHAINGUARD MATERIAL: ALLOY
CHAINGUARD FINISH: BLACK SAND AND
FOR CHAINRING: 38T
BCD: 108MM

SPINDLE BOLT

CRMO M10
WEIGHT: CRMO 400(PAIR)

MODEL	CRANK	SPIDER	CHAINRING	CHAINGUARD	ENK	CL	BCD
EB03-238A-S1-1	EB03	S1-1	PRO-38T-1	AG62	X	47.5	104
EB04-238A-S1-1	EB04	S1-1	PRO-38T-1	AG62	X	47.5	104

2018 PROWHEEL E-BIKE DESIGNED FOR BOSCH Gen 2

E-BIKE CRANK

EB03-03-R-ISIS
EB03-L-ISIS
LENGTH: 165, 170, 175MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 400G(PAIR)

EB04-03-R-ISIS
EB04-L-ISIS
LENGTH: 165, 170MM
FINISH: BLACK SAND POWDER COAT
WEIGHT: 490G(PAIR)

STEEL CHAINRING

F007-16T
F007-16T
CHAINRING MATERIAL: STEEL
CHAINRING: 16T

SPINDLE BOLT

CRMO M10
WEIGHT: CRMO 400(PAIR)

SPIDER

SPIDER: 02
MATERIAL: AL 6061 T6
FINISH: BLACK SAND AND

MODEL	CRANK	SPIDER	CHAINRING	CHAINGUARD	ENK	CL	BCD
EB03-16T-03	EB03	X	16T	X	03	47.5	X
EB03-16T-03	EB03	X	16T	X	03	47.5	X
EB04-16T-03	EB04	X	16T	X	03	47.5	X
EB04-16T-03	EB04	X	16T	X	03	47.5	X

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For E-bike front double disc hub, YU-HUB release new item with DD-F01. There are 32/36 spoke holes available, specification with M20*100W O.L.D. Flange PCD for the hub is 58mm and two sealed bearings design. Weight is 204 grams.

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C-140

Full chain cover for Max : 38 T
With color combination .
Bafan motor bracket available



C-140

F.A.S.P 102003

Saddle Bag
Material : 600 D Nylon
Seat-tube diameter : $\Phi 27 - \Phi 34.9$ mm

Fender Pack

Material : PP + Nylon
L x W x H : 13 x 2.1 x 2.4in



F.A.S.P 102003

X-RAZER LGT 101008

Wheel Size : 23"-28" , 28"-36"
Profile Width : 33-38 , 38-46mm
Front Fender : 360mm
Rear Fender : 560mm
Weight : 430 g
Features Self-powered Light



X-RAZER LGT 101008

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- 12mm Through Axle Dropout



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426mm / T 120mm
431mm / T 125mm



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The Sea Otter Classic bicycle festival ends successfully.

Electric and mountain bike series set the trend



The largest 4-day bike event in the United States, the Sea Otter Classic, opened at the Laguna Seca Leisure Resort in Monterey, California, on April 19th and ran until the 22nd. Held every year since 1991 in Monterey, California, the Sea Otter Classic is both an exhibition for bicycle manufacturers to showcase new cycling products and a carnival for bike aficionados. Nearly 10,000 professional riders and athletes from around the world attended the 29th incarnation of the festival this year. The impromptu



and loosely organized competitive events of the early years, have evolved into a full range of professional and amateur competitions today. Points accrued in the cycling events at the Sea Otter Classic are included in the World Cup Championship point calculation, a further inducement to the world's top cyclists to come and compete in Monterey.

Larger even than the Eurobike show, the Sea Otter Classic, is an extremely important event for those involved in the bicycle industry and very well known to the professional cycling community. Bicycle enthusiasts on both sides of the market feast their eyes on the new bikes and high-tech wizardry showcased by both famous marques and lesser known independent brands, as



well as all the accessories and features on offer. The 4-day conference has now become the largest bike carnival in the world. Cyclists come with their bicycles in order to upgrade and refit their machines, as well as exchange ideas and plans with their fellow attendees, and of course check out the myriad new products on display.



The headquarters of Specialized is just over an hour's drive from Monterey and has become one of the major sponsors of the Sea Otter Classics. In addition to exhibiting products and sponsoring events, Specialized also has built a technical training ground next to the pavilion and offered a variety of top-level S-Works bicycles for test rides. The most eye-catching booth featured Specialized's new Stumpjumper that was just officially released in mid-April, 2019. On both sides of their display wall, 19 Stumpjumper, and the R&D personnel and processes that created the bicycle were displayed in detail. Not to





be outdone, FOX showed a huge Rally Track Racing display on an advertising vehicle in front of the door, as well as associated products such as suspension forks, rear forks and drop seatpost from XC to TRIAL, AM, and DH, and related trial bikes for professional riders to show their skills.

Meanwhile, Fizik brought Bib shorts that resemble ordinary shorts, attracting the attention of all mountain bikers, and offering a variety of discounts.

The big bicycle component maker Shimano exhibited specially organized STEPS kit booths and provided test rides with Shimano STEPS MTB.

SRAM brought the XX1 EAGLE 12s, GX EAGLE 12s, and their new PIKE series of DUB cranksets. The SRAM big tents were filled with bicycle enthusiasts, and was a must-visit booth for serious mountain bikers.

BMC exhibited the SPEEDFOX 01, a full-suspension mountain bike with BMC APS (Advanced Pivot System). The coating of the new bike gives off a quieter and calmer vibe than previous bikes.





TIME, which is known for its specialized carbon materials and processing technology, exhibited a complete frame section and demonstrated its superior technology.

FSA/Vision brought a series of their latest products, including the METRON wheel set. The set is equipped with an AGX tubeless wheels, Flowtron dropper seatpost, MTB power meter, WideR wider MTB wheelset, and Vision MAS Aero bars.



The Sea Otter Classic exposition includes a wide variety of activities encompassing almost all official competition cycling events, including mountaineering cross-country, road bike single day + multi-day races, short track racing, double races, mountaineering endurance races, quick descent, road winding cross-country and time trials. The electric mountain bike race was added especially this year. Ashton Smith riding the BESV TRS1 won the event in the highly competitive 19-29 level electric mountain bike competition.





World-renowned bicycle makers introduced many new ideas at the show, and provided some stunning brand promotion feats. 920 sponsors' advertising banners formed a 5-mile brand fence, forming a beautiful backdrop to the show. According to the festival association's statistics, the Sea Otter Classic has grown by 46% overall during the past five years. In 2018, stalls were sold out. The number of exhibitors this year - including enthusiastic contingents from Italy, Australia, and South Africa - increased by 20% compared with the previous session. In total, there were more than 25 Taiwanese exhibitors including Giant and KMC. The

four-day exposition provided 165,000 square meters of display and riding area, for the numerous brands to display and sell their goods at outdoor stalls, and arrange hundreds of professional and amateur bicycle races. The organizers offered free continental breakfast, buffet lunch, and an unlimited supply of beer and wine for exhibitors!

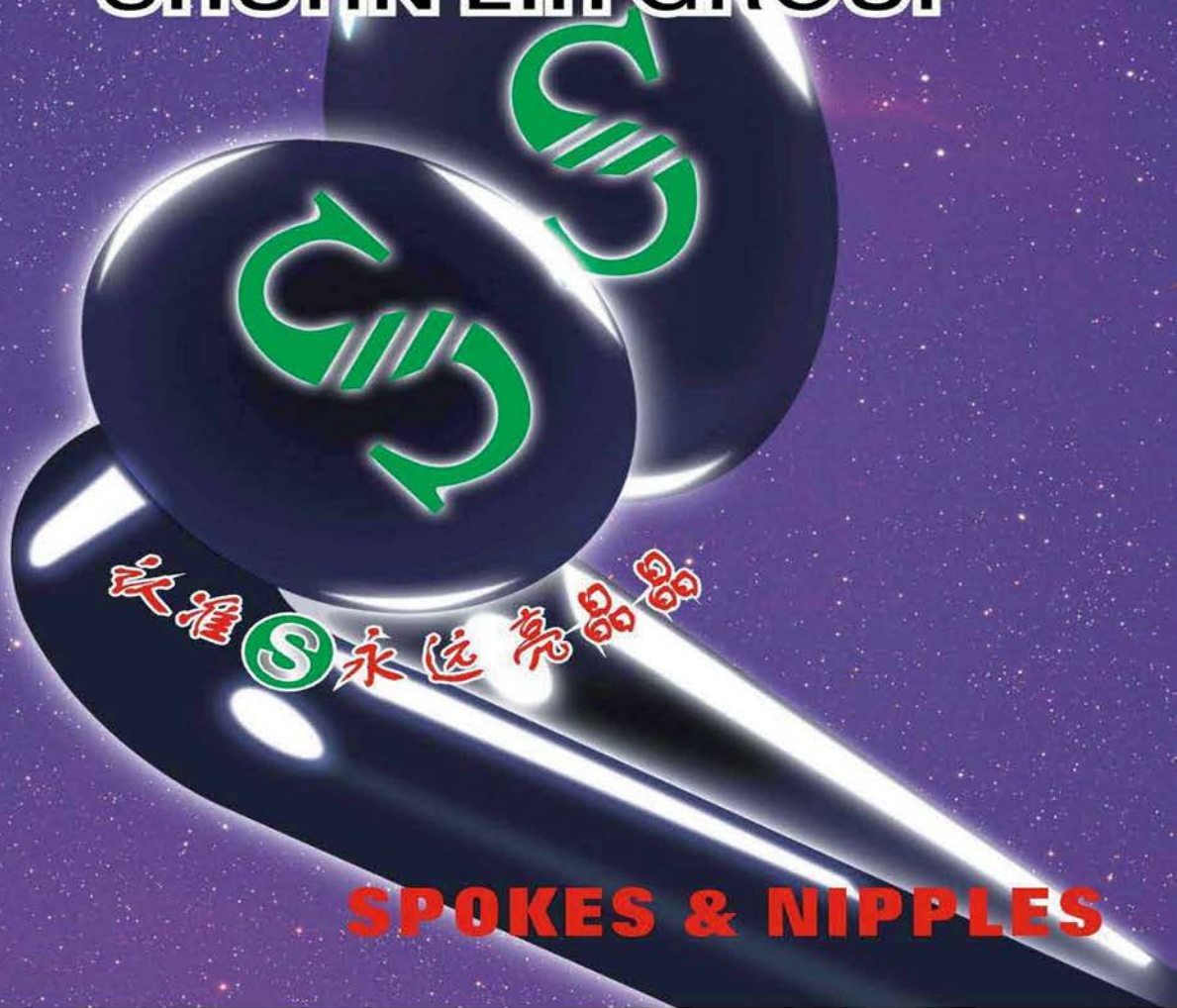
As well as the nearly 10,000 professional and amateur riders mentioned above, the show attracted 74,000 spectators and has become the most important testing ground for the global mountain bike industry and all its associated products. ○



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