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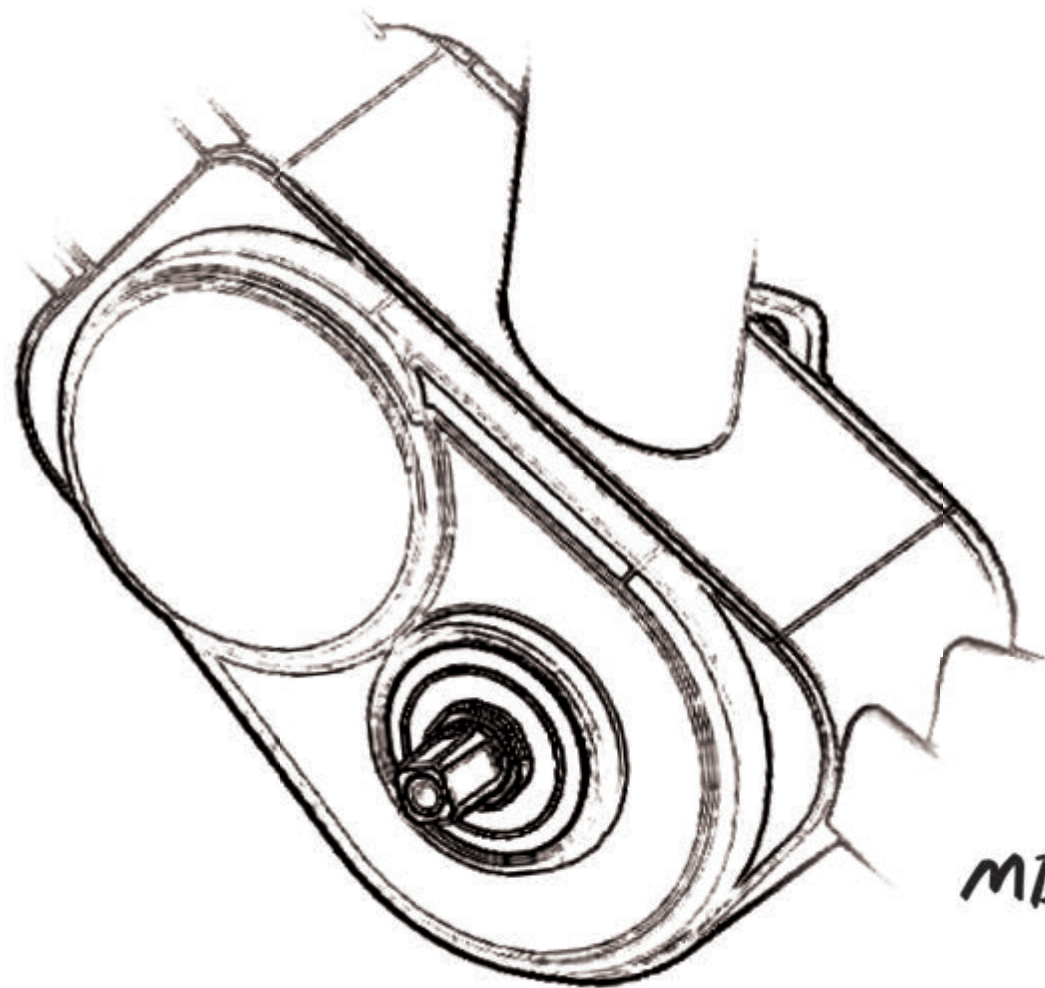
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Contact Us

Here's how to reach the key staff of the Taipei Cycle and TaiSPO Show Dailies:

Advertising
Tom Kavanagh, Publisher
tom@bikeshowdaily.com

Taipei Show Daily Editorial
Doug McClellan,
Editor-in-Chief
TaipeiShowDaily@gmail.com
+1.505.660.9957

TaiSPO Show Daily Editorial
Barbara Smit, Editor
barbarasmitnews@gmail.com



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Taipei Cycle date change sets up a show showdown

It wouldn't be a trade show unless everyone you meet on show floor has a strong opinion about when the show should really take place.

This year, the discussions take on a lot more importance.

Taipei Cycle organizers have announced that the 2018 edition of this show will be Oct. 31-Nov. 3, moving far from its traditional March dates.

More important for TAITRA and the Taiwan Bicycle Association, the shift leaves a yawning 19-month gap between this show and the next Taipei Cycle.

The new fall dates also create a potential showdown with Taichung Bike Week, the informal OEM event that has grown organically in recent years, driven by the timing requirements of product managers.

Taipei Cycle director Andrea Wu said Thursday that the results of an exhibitor survey showed that most say March is now too late. For Taipei Cycle to remain relevant, she said, it needs to take place in the fall.

Shifting to fall means Taipei Cycle would return to its historical roots as an OE show instead of the aftermarket event it has become.

Wu said that Taipei Cycle believes that if it chooses dates that best serve its OE exhibitors, aftermarket exhibitors will follow — especially now that OE companies now own many aftermarket brands.

But some brands say fall is too early to share product lines with aftermarket distributors.

"We show OEMs product in October

that aftermarket customers shouldn't be seeing yet because it's a long ways away from being within their business plan," said Jason Moeschler, OEM sales manager for WTB.

Dates for Taichung Bike Week have also evolved. Ten years ago, Bike Week was a December event. This year, the industry-run event, which eschews trade show booths in favor of hotel meeting rooms, will be Oct. 17-20.

Steve Fenton, co-owner of Pro-Lite in Taichung and an informal organizer of Bike Week, said the event could move even earlier in 2018 if that's what attendees want.

"We will be looking and listening this year because I have a feeling we'll be asked to move it back even more. We will know by October this year whether we need to move it or not," Fenton said.

Because Bike Week works with individual hotels but is not tied to a contract with an exhibition center, it has more flexibility to change dates than a full-fledged trade show like Taipei Cycle.

"We're not an oil tanker, we're a little fishing boat," Fenton said.

Some companies are concerned that they won't have the time or staff to exhibit at both Taipei Cycle and Bike Week if they remain within a few weeks of one another.

"It's going to totally conflict," said Ollie Thomas, brand manager for Kore, which has an office in Taichung and



attends both events. "We don't know if we'll do both shows or just one."

For TAITRA, the long span between the 2017 and 2018 editions of Taipei Cycle also means it will have to step up its marketing efforts in the interim.

Taipei Cycle will open registration for the 2018 show in July as usual, so it can get an early read on exhibitor response to the new dates.

It also plans to hold a series of press conferences in key global markets to promote the 2018 show, including events in Japan, South Korea, Thailand,

Malaysia, Europe and North America.

TAITRA is committed to holding Taipei Cycle at Nangang through 2019, when a new hall is scheduled to open across the street and provide relief for the sold-out show.

Meanwhile, some exhibitors aren't losing sleep over the trade show shuffle.

"The business will take care of itself no matter what," WTB's Moeschler said. "To us, it doesn't matter where the trade shows are. If we feel like it's going to be valuable we'll go." ■ **NF**



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Vox Pop

What do you think of the new dates for the Taipei Cycle Show?



Markus Schulz
by.Schulz, Germany

While I welcome the decision to move the Taipei Cycle Show to fall, I'm afraid this will result in a rivalry with Taichung Bike Week. It remains to be seen who can visit both events. While visitors can do this, many exhibitors will likely not be able to do so. So the change of date forces people to make a decision.



Takuma Miura
Mizutani Bicycle, Japan

Since the Taipei Cycle Show is moving closer to Eurobike and Interbike, this fits my needs very well. The first two shows give me a broad overview of general trends. After that I have enough time to sort out my needs and then combine Taichung Bike Week and Taipei Cycle Show to set up my business, as a distributor of frames and accessories for next year.



Gareth Blom
Bikecorp, Australia

I understand that the Taipei Cycle Show reacted to the changed dates for Eurobike. As a distributor, this change does not bother us too much. So far, we'd source product in March and have plenty of time to get it ready for the market when the Australian summer starts. Now we have much less time for this, so the new date might fit Europe and Northern America better.



Francois Joly
Mach 1, France

For my taste, Taipei Cycle Show has moved too close to Taichung Bike Week. Exhibiting at both shows will be hard, if not impossible. Just like me, many exhibitors will have to make a decision, so in the end both shows are likely to see lower attendance. More coordination between the two could avoid this outcome, however.



Andrea Kmentova
KCK Cykloport, Czech Republic

Since Eurobike has moved its dates as well, the new dates for the Taipei Cycle Show make sense. As a distributor of various brands in the Czech Republic we welcome a show at the end of the season. We know what sold well throughout the last season and have time to plan for the next year.



Jing Pan
Momentum LTD, China

This is my first visit to Taipei Cycle Show, where I'm sourcing parts for my employer, an e-bike manufacturer. And for this purpose, the show is very good. I'm amazed how many products are on display. As for the date of the show, both March and end of October are fine with me.

FSA, Watteam bring power meters to Taipei

As the power meter market grows, so does the number of companies trying for a piece of it. FSA and Watteam are two exhibitors here in Nangang that are vying for sales with new systems.



FSA PowerBox

cranks and chainrings with a spider-based power meter from Power2Max. The result is a system that measures output of both legs. It is compatible with FSA's BB386 standard for road bikes and BB392 standard for mountain bikes, so it fits most frames.

Riders can change chainrings without having to recalibrate the system. Because an internal cadence measurement is built into the system, there's no need for an external magnet.

With a battery life of 300 to 400 hours, the PowerBox will deliver data over many kilometers of riding. If needed, the battery can be changed easily from the drive side of the power meter without special tools.

The system uses the ANT+ protocol to transmit data, so riders can combine the PowerBox with several GPS cycling computers.

FSA will offer the power meter in aluminum and carbon versions for road bikes, and carbon versions for single and

double mountain-bike chainrings.

Watteam 67609 was founded by three Israelis who saw an absence of affordable, but precise, power meters on the market.

One of the three, Ofir Gal-on, became CEO of Watteam and set out with a clear goal. He wanted to design a power meter that could measure the power output of each leg separately, was easy to install and calibrate, and would cost significantly less than existing products.

Thanks to Israel's emerging IT sector, Gal-on and his colleagues were in the right place to turn their concept into a commercial product.

Fast forward a few years, and Watteam has managed to bring the entry-level price for two-leg power meters below \$600 with its Powerbeat system — a price that includes professional installation by an IBD.

At the heart of the system is a strain gauge glued to the crankarm, which is connected to the electronic unit. The unit also houses a rechargeable battery and slides on to the

end of the crankarm, held in place by the pedal axle.

With an accuracy of plus or minus 1.5 percent, the Powerbeat is as precise as systems that cost several times as much.

And at 20g per side, it is surprisingly light. Instead of a proprietary display, any smartphone or computer with Bluetooth Smart or ANT+ can display readings from the Powerbeat sensors.

The Powerbeat app allows for detailed data analysis and also guides retailers through the installation and calibration process. And it also aids with diagnosing problems. ■ LvR



Watteam Powerbeat

ENGLISH

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For appointments contact Christian Thun (christian.thun@thun.de) or Mario Stauber (stauber@thun.de).



For a long time, things at THUN have been revolving around the square taper, the proven feature of our core product.

LTwoo 11-speed drivetrain is no me-too product

At Tuesday's Demo Day, LTwoo presented what it said is the first commercial 11-speed mountain bike drivetrain made in China.



But this company's ambitions reach much farther than the mainland.

The man behind **LTwoo 1F/10529** (pronounced "El Two") is Philip Liu, a former SRAM engineer who founded the company in 2014. Its first product was a 3x10 drivetrain that Liu offered to assemblers working for various brands in China.

Up to now, the Zhuhai City company has built various drivetrains for mountain, folding and fitness bikes. LTwoo's new flagship product is the first made-in-China 1x11 drivetrain. It costs about half as much as Shimano's

XT drivetrain.

Given the variety of its product portfolio, the size of the company is modest. The offices and the factory each cover a space of 2,000 square meters (6,500 square feet), with 20 employees in administration and 50 production workers.

To ensure high quality, LTwoo sources raw materials and small parts from Taichung suppliers and also relies on Taiwan for some assembly, although final assembly is done in China.

The company currently supplies assemblers in China and exports some drivetrains to Brazil.

But this should change soon.

"We will open an office in Taiwan and hire an Italian designer to make sure our products meet the taste of Western consumers," said Keith Wen,



LTwoo 11-speed drivetrain



overseas sales manager for LTwoo.

Wen added, "The quality control will also be done in Taiwan, and at this year's Eurobike, we will launch a new, higher-end brand to step up our game and take aim at exporting and the aftermarket."

LTwoo is also developing a 12-speed drivetrain for mountain bikes and dedicated shifters for drop bars.

By the looks of it, the company's journey has only just begun. ■ LVR

Comodule makes e-bikes smarter and connected

Smart technologies like IoT ("Internet of Things") are hot right now, even for bicycles.

Comodule 4F/L1002 a startup from Estonia, is debuting at Taipei Cycle exhibitor with what it calls a "full vehicle platform" for electric bicycles and other light electric vehicles.

"Our system consists of communications electronics, a smartphone application and an online data analytics platform," business development manager Sven Bernhardt said — words not typically heard at a bike show.

The Comodule system provides feedback to manufacturers by giving them real-time data related to the bike, and also benefits bike owners by letting the lock a bike and track it if it is stolen.

Comodule is working with e-bike suppliers including Brose, Bafang and ASi (Accelerated Systems).

"Our unique technology is easy to adopt for e-bike manufacturers," said Teet Praks, a co-founder of the company. ■ JB



Sven Bernhardt (left) and Teet Praks of Comodule

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Braking in a blink of an eye

Jeff Hung and Peter Koa received the prototypes of their new Blink braking system just a month before Taipei Cycle and rushed to get one set up on a bike for test rides at Demo Day.

"It's the biggest show over the world for the bicycle so we think it was best timing," Koa said.

Their hurrying paid off when Blink Brake became one of four Taiwanese companies to take home an International Bicycle Design Competition award. It's at the IBDC display **A7/L2137**

Blink Brake connects the front and rear braking systems via a mechanical device to help new riders avoid crashing.

With one pull of either brake lever, the system slows the rear wheel first, and then stops the front wheel a micro-second later. This prevents the front wheel from locking up — a common occurrence with inexperienced riders who often suppress the front brake with too much power and end up flying over the handlebars.

The system automatically redistributes the force between rear and front brakes in

a 7 to 3 ratio, which reduces the amount of time and distance needed to stop the bike. It's a big help to beginning riders, who may not yet understand how to strike the right balance between stopping the bike and overbraking.

The cost of the Blink Brake will be on par with current hydraulic braking systems, and is compatible with all types of bikes.

Hung and Koa live in Tainan and are visiting Taipei Cycle to find potential OEM customers. They expect to have production versions in six months. **■ NF**



FSA continues innovating in all categories of competitive cycling

Since its founding, Full Speed Ahead has been driving innovation in competitive cycling. Its newest products show it isn't slowing down.

"FSA was one of the first bicycle companies to rely on Finite Element Analysis (FEA). Thanks to our offices in California and Italy, we have always been in close contact with competitive cyclists, and as an innovation-driven company we're also constantly exploring cutting-edge materials," said Claudio Marra, vice president of global sales and marketing,

FSA A7/M1211 is focused on its FSA brand of drivetrain components, pioneering compact cranksets in 2004 and looking to copy that success story with the Super Compact cranksets with even smaller chainrings this year.

Other recent additions to FSA's product portfolio are its 11-speed chain, the WE Force electronic groupset and modular MTB cranks for the latest mountain bike trends.

For e-mountain bikes with mid-drive motors, FSA has developed durable steel sprockets.

Full Speed Ahead also owns other brands for different markets.

The Vision brand focuses on parts and wheels for triathlon, cyclocross, road and track.

Its aerodynamic Metron

parts are well known, with the flared, one-piece Metron 5D stem and handlebar combo as the latest example.

Vision wheels are completely manufactured in-house for quality control and consistency.

FSA also actively participates in the Bicycle Steering and Technical Committees of the World Federation of the Sporting Goods Industry. **■ LVR**



Claudio Marra with the new Metron 5D stem and handlebar combo

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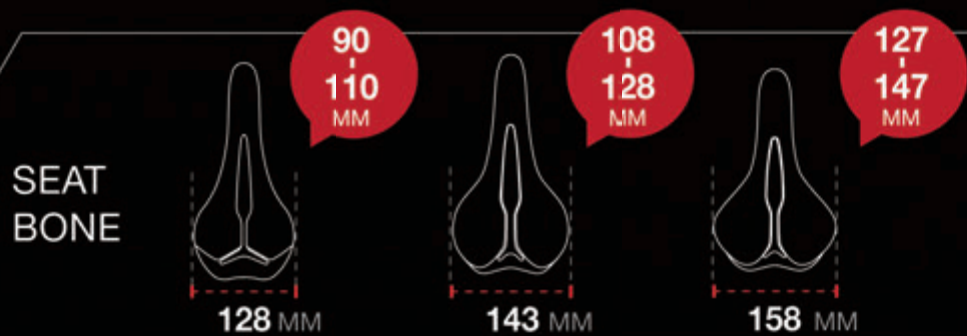
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Overview: Tools and pumps

Pump it, twist it, fix it and forget it



JCool LS multi-tool

No matter how technologically advanced bicycles become, they still need to be adjusted and repaired now and then. The right tools and pumps make life in the workshop a lot easier.

As bikes evolve, so do the tools needed to keep them rolling. Take the trend toward wider tires across all styles of bikes — the greater air volume in these tires calls for pumps that can push it out but are efficient and ergonomic.

And anyone who has tried to seat a tubeless tire bead with an old-school pump will appreciate a new generation of pumps that stores up plenty of pressure and releases it all at once. Some pump

brands have developed double-barrelled floor pumps that make the process even easier.

Messingschlager 1F/10512 joins the pump party in Nangang with the M-Wave Air Bullet, a high-quality alloy floor pump with two barrels that can build pressures of up to 260 psi or 18 bar. A large manometer, anti-slip mats and a universal valve head add to the usability

of this high-quality floor pump.

The Tubeless compressor from Shimano's accessory brand **Pro 4F/M0814** is a smart offering that works in combination with a standard floor pump. First, a shop tech uses a floor pump to fill the compressor's high-pressure canister. With a flick of a lever, the compressor blows the pressurized air into the tire to safely seat the tires. There's no need to use the more industrial compressors typically found in bike shops.

Putting an emphasis on design, **CSS Industrial Hall 12F/H0705** presents the PFA-2 floor pump. This aluminum pump is compatible with Schrader, Presta and Dunlop valves and handles pressures up to a spectacular 260psi.

To get the tire pressure exactly right, a digital gauge is a welcome advance. While **Lezyne 4F/L0416** puts the main emphasis at Taipei Cycle on its new GPS watches, the brand also has digital hand pumps on display. These quality pumps are available in larger-volume versions for mountain bikes and higher-pressure versions for road bikes.



BBB PrimeFold

Beto 1F/K0615 put a lot of thought into its new Twist Lock 2 Stage mini pump. It comes with a pressure gauge and a twin head, with one side fitting Schrader and the other Presta or Dunlop valves. To seal the head on the valve, Beto relies on a twist mechanism. The user can select between high-volume and high-pressure modes.



Beto Twist Lock 2 Stage

The Windpro V2 mini-pump from **Airace 4F/N0623** is visually striking, combining an alloy barrel and a plastic sleeve. An alloy thumb lever adds to the looks and durability of the pump, available in MTB and road versions. If you rely on CO2 cartridges, Airace has you covered with the Handy-E, a clever set of tire levers with an integrated chuck.

A proper multi-tool fits in every jersey pocket and can tackle whatever is likely to go wrong on the road.

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Pro Tubeless Compressor

With the three models of the new PrimeFold series, **BBB 4F/N1012** blends functionality and a selection of essential chrome-plated precision tools with good looks and low weight.

SuperB 1F/1219 presents a versatile-yet-compact multi-tool at Taipei Cycle with the new 24-in-1.

Along with the usual hex and Torx keys and a chain tool, this multi-tool comes with an alloy chuck for CO2 cartridges, a brake piston press and two carabiners.

T-One 4F/L0808 was a d&i award winner with its new Tri Folding tool. Thanks to its flexible folding mechanism, the Tri lets cyclist work in confined spaces, and also offers twice the leverage of a typical multi-tool.

For its LS multi-tool, **JCool 1F/00033** has gone for a minimalist approach. Shaped like a tube of lipstick and polished to a high luster, this cylindrical tool houses five bits in a compact body. For the workplace, JCool's Finger Ratchet combines a ratchet mechanism with intuitive ergonomics.

The growing popularity of carbon and increased safety consciousness has boosted the demand for tools with torque limiters or indicators. While there is a vast choice of high-end torque wrenches for professional mechanics, the number of more affordable options is growing year by year, bringing this technology to enthusiasts' homes. Recently, Birzman has won several awards for its multi-tools that include a torque hex key.

SuperB is launching two series of tools with torque limiters. The more affordable Torque Key is a T-shaped tool with a factory-set torque limit and a selection of bits stored in the handle. The company won a d&i award this year for its Adjustable Torque Wrench with torque indicator.

Aimed at discerning consumers and professional mechanics alike, **JCool** rolls out a new high-quality, precision workshop tool with its Pro Torque Wrench.

Claiming an accuracy of plus or minus 4 percent, the wrenches are available in two versions: 2-15 Nm and 2-26 Nm. ■ **LvR**



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Overview: Luggage

From expeditions to routine commutes, bike luggage keeps all riders organized



Free Parable Gorilla

Whether it's for hauling groceries home for dinner or camping gear for a multi-day expedition, the latest bike luggage covers every eventuality.

Whatever a cyclist may want to carry, there's probably a way of fixing it to the bicycle. Driving many new designs on display in Taipei is a growing interest in bikepacking — the sport of traveling fast and light across varied terrain.

And, of course, our till-death-do-us-part marriage to technology means luggage makers also have figured out how to affix every conceivable smart-this and

Shakeland's 1F/1108 Long Haul RT saddlepack lets riders take the weight off their backs for a more comfortable ride. With an expandable roll-top design and durable construction, it's ideal for long-haul bikepacking missions where the terrain rules out traditional panniers. Repair kits fit into two waterproof zipped pockets, each accessible without removing the bag from the bike.



Shakeland Long Haul RT

...that to the handlebars.

Squarely aimed at the adventure market, the Gorilla system from **Free Parable Design 4F/NO532** comprises a

holster and 5-liter dry bag that can lug bulky, light items. It's fixable onto bottle cage mounts, or with an adaptor can be fitted in other places including the lowers of a suspension fork. The holster quickly clips on and off the attached mounting points.



Lezyne Flow Caddy

Also adventure-oriented,

Available in black or camo, the Lotus bikepacking range from **Shine Ho 1F/10806** lets riders slip through the woods unnoticed except for their tire prints. The TH7-7703 Saddlepack makes full use of the space under the saddle, with a sizable 6-liter capacity. Made of water-resistant material, a roll-down opening and a zipped side pocket, it is highly adjustable. The matching TH7-11W frame bag comes with a unique tube exit for a water bladder. Two side pockets make it easy to fetch snacks and warmers without unpacking the entire bag.

The more civilized **Walco Hall 127/11220** City Stance Convertible Office Messenger bag is at home on and off the bike. Blending classic looks with practical features like water resistance and a padded interior, it's made for the city, including city bike share systems. Quick-release buckles are hidden at the back. Waxed cotton and leather make the bag suitable for the office.

The **SKS 4F/M0403** Triangle Bag fits toward the front of the bike and won't impede access to water bottles on most frames. The sturdy bag offers 1.4 liters of space for tools and spare inner tubes.

Three Velcro straps attach it to all types of frames, making it a smaller and more economical alternative to full-size frame bags.

Also from SKS, the Smartboy protects smartphones in a waterproof case and attaches to handlebars without tools. It can also be mounted on a stroller bar. It weighs less than 50g, and its touch-compatible window allows the phone to be used while it is enclosed.

Because they are tucked out of the wind and can take a load off of one's pockets or satchel, saddlebags are great for stashing essentials like spare tubes, tools and inflators. When left on the bike they are always there when needed.

T-One 4F/L0808 makes a huge range of saddlebags. The Pelican M has a clever expandable design for times when riders need to cram even more in. A large opening with side supports makes access easy and lowers the risk that the contents will spill out. 3M Scotchlite details and a rear light hanger help boost visibility.

While bottle cages tend to come in a standard size, bottles don't. So **Massload 1F/1301** designed a cage with adjustable wings. A large wheel between the cage's mounting bolts lets a cyclist



Massload adjustable cage



Bikase Long John

adjust the grip for different-sized cargo. Bikepackers, for example, could carry a gas bottle for a camping stove, or any other cylindrical item with a diameter between 60 and 70mm. And, yes, regular water bottles fit just fine.

Not all riders use a bottle cage for hydration. The Flow Caddy from **Lezyne 4F/L0416** offers a neat take on the old trick of cutting the top off of a bottle to provide storage space for tools and other essentials. It's a canister that fits a standard bottle cage and keeps valuables safe and dry. An available neoprene organizer helps keep tools and a puncture kit at hand.

Bikase, 6F/S0017 which makes a huge range of frame bags and holsters, offers the unique Long John frame bag that can be run above or below the toptube.



Shine Ho Lotus



Walco City Stance



SKS Triangle Bag

It's a bit more compact than full-sized alternatives. Run on top, it's easy to access even while riding. Flip it below the toptube and it's out of the way.

Bikase also accommodates your best buddy with the Pet Cover. It's an insert for the Bikase Dairyman basket that lets a pet ride along. A mesh material provides airflow, and a soft pad lets

Rover ride in comfort.

Among its many bag designs, **Vincita 4F/L1225** has a suite of aftermarket accessories for the ever-popular Brompton folding bicycle. They range from padded transport bags that hold a complete Brompton bike, to bags that turn the small-wheeled bike into a large capacity hauler.

New from Vincita is the Birch Front Bag, made for trips of up to three days. Its 25-liter capacity easily outstrips most bags on the market. A removable garment bag holds clothes, toiletries and chargers, while a top zipper permits access to the bag while mounted. A rigid aluminum attachment system ensures the Birch is stable when fully loaded.

For bikepackers who need to use every available cubic inch of space, the Fuelpack from **BBB**



Vincita Birch

4F/N1008 is a clever toptube holster. Tools and other essentials remain within reach while riding, and the main compartment is accessed through a flip-top lid. A chunky Velcro tab eliminates the need to fiddle with zippers. A see-through panel on top holds items that riders want to keep an eye on. Mesh panels on the sides accommodate tools.



BBB Fuelpack

An included rainsleeve keeps the iPhone protected against inclement weather.

Some cyclists just want to be able to carry their morning coffee on the daily commute. The drink holster from **Ulix 1F/10924**, which fits on the bars or on the bottle cage mounts, accommodates a typical coffee cup with a tapered body and lid. A soft, grippy material on the inside keeps the drink in place even over the cobbles. ■ **JD**



Ulix drink holster

BBB also offers the new Patron mount for the iPhone 6. The slim, co-molded case also protects the phone off the bike. With two separate brackets, the Patron can mount the phone to the stem, handlebar or headcap in landscape or portrait orientation.

The bracket angle also adjusts so riders can film a particularly epic ride.



T-One Pelican M

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Overview: E-bike batteries and components

They won't make you swoon, but battery technologies can make e-bikes better



Giant worked with Panasonic to develop an integrated battery

No one swoons over the battery on an electric bike, much less the hidden components that make it work smoothly and safely. With sleeker designs and more sophisticated integration, more batteries are “disappearing” into the frame — just the way e-bike designers like it.

But getting the battery design and specs right is critical to getting the e-bike right, with the looks and performance that brands and consumers want.

If any part of an e-bike needs to meet high quality standards, it is the lithium-ion cells. A typical e-bike battery contains a lot of combustible energy. And as dozens of news stories will attest, that energy can cause actual combustion — fire, in other words — if the battery is poorly made or managed.

It starts with high-quality cells, the building blocks of batteries. **Panasonic 6F/F0625**, **Simplo 4F/N1218** and **Samsung** are among cell suppliers that are well regarded in the e-bike world.

The “packaging,” which refers to the way in which individual cells are joined together along with the battery management system (BMS) that controls them, is also crucial. Proper packaging protects the expensive cells by monitoring current, temperature and other properties.

At Taipei Cycle, **Han-Win Technology Hall 11F/N1202** is emphasizing its BMS technology, which it sells along with

full battery packs. The Taiwan company is exhibiting some 15 BMS systems, designed for different market segments, along with 10 e-bike battery packs in a variety of housings.

“One of the main reasons we came to the show is to demonstrate the performance of our Inno-Safety BMS technology,” Han-Win general manager William Kao said.

Han-Win uses the system for motorcycles and recently won an innovation award at the Taiwan International Motorcycle Industry Show.

Kao said Han-Win is working with four e-bike motor manufacturers: **TDCM 4F/N1226** and **MPF 4F/N1318** of Taiwan and **Bafang 4F/L1012** and **Tong-Sheng** from the mainland.

“We have also organized TDCM's and MPF's e-bike packs for their demo e-bikes for the Taipei Cycle Show,” Kao said. Other Taipei Show exhibitors that use Han-Win packs include **Inskey Energy Technology 4F/N0329**, **Best Energy Hall 11F/N1302** and **3Men Technology 4F/N1231**

Kao said Han-Win is investigating the use of new, larger-capacity 21700 battery

cells. According to news reports, these cells could extend the life of lithium-ion batteries to 2,000 charge cycles and significantly extend the capacity and range of e-bikes. Tesla, the American electric car manufacturer, plans to use 21700 cells in its upcoming Model 3 sedan.

Angela Chien of **TranzX 1F/10412** said batteries are changing to better supply the increased demands of performance e-bikes.

“Battery makers will look to reduce internal resistance, allowing larger currents, which is especially important for high power demand bikes like e-MTBs,” Chien said.

The BMS is just one system that keeps a battery pack running properly and safely. Another crucial component is the controller, which feeds current from the battery to the motor.

traction control kicks in and reduces the torque until traction is restored. This also helps prevent leaving black rubber trails when accelerating away off the mark,” Oldham said.

Meanwhile, suppliers and e-bike brands continue to refine the designs and capabilities of the battery itself.

There are three common methods of fitting a battery to an e-bike: on the rack, usually for city and hybrid bikes; on the frame, such as e-mountain bikes and high-end hybrid and urban bikes; and in the frame, increasingly popular with higher-end models of all types.

It's no surprise that the “Big 3” mid-drive motor manufacturers — Bosch, Shimano and Yamaha — cover all these options between them. But that still leaves a lot of room for variety.

Bosch 6F/F0614 offers what it refers to



TranzX's battery is housed completely inside the frame, but is flexible for quick removal.

Controller specialist **Eloquent Design (EDS) 6F/S0002a** of Hong Kong is demonstrating the sophisticated capabilities of its controllers with an all-wheel-drive concept bike that has hub motors in the front and rear wheels.

“The motor controller provides the feel and user experience for the e-bike power system; it controls the amount of torque

as PowerPacks in three sizes: 300Wh, 400Wh and 500Wh. Each can be mounted on the frame or rack.

Shimano 4F/M0814 has both rack- and frame-mounted battery designs. Last year the Japanese component giant also launched internal frame batteries.

For its E6000 mid-drive system



Eloquent Design controller

available to the motor and the power drawn from the battery,” said David Oldham, chief technical officer of EDS.

“A good controller can use both the motor and battery more effectively,” Oldham added. “And our controllers are smaller, run cooler, are quieter and more powerful than many others.”

The all-wheel-drive bike, which is available for test rides at the show, illustrates how EDS controllers can manage a more complex e-bike setup.

“When a wheel tries to skid, the

Shimano offers a rear-rack 418Wh battery and a downtube-mounted 504Wh option. Its more rugged E8000 e-MTB system uses the 504Wh downtube battery or a frame-internal option, also 504Wh.

The **Yamaha 4F/F0439** mid-drive motor and 500Wh battery is used throughout the Sduro e-MTB line from **Haibike 4F/M1219**. But some Yamaha customers are turning to other battery solutions.

Giant 4F/M0820, for example, uses the Yamaha mid-drive motor but powers it



Han-Win Inno-Safety battery pack



Yamaha's 500Wh frame-mounted battery

with a different battery.

"Our batteries are co-developed with Panasonic, which means that our designer, product developer and Panasonic are constantly checking out what's the best way to integrate the EnergyPak into our downtube and how we can optimize battery density within the smallest possible EnergyPak," Giant's Mathias Aaftink said.



Shimano's dual battery system as used on the Focus Jam and Bold e-MTBs.

Other companies have taken a unique approach to designing the battery into the e-bike too. TranzX has pioneered a flexible battery design for its Integra line. The clever built-in flexibility means the battery can be easily removed from its perch within the frame.

cigarette lighter of a car or mobile home. The trade-off with the Compact and Travel chargers is a much slower charging time.

Shimano is also giving brands the option of combining a frame-internal battery with a frame-mounted battery for a total capacity of 756Wh. See, for example, the 2017 Jam2 and Bold2 e-MTB models from Focus. **4F/N1012**

While the technical details of batteries, BMS and controllers may be mysteries to most members of the bike industry, the end results are immediately understandable.

Eloquent Design's Oldham said the all-wheel-drive bike, for example, can accelerate from zero to 30 kph (19 mph) in about five seconds — even faster if the rider pedals.

Now that's something to swoon over. **RP**



The Bosch DualBattery system is now coming to market on bikes from several e-bike brands.

e OCTO 8S

e NOVE 9S

e DECA 10S

e ONZE 11S

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New Products

SRAM Red HydroHC



SRAM's Red eTap HRD use the company's new HydroHC brake platform for the performance and control of hydraulic disc brakes with the adjustability of conventional rim brakes. Contact Point Adjustment and independent Reach Adjust lets riders achieve an ideal setup whatever their hand size or brake feel preference. **4F/M0614**

King Sword Valiente KS-223 Pluto

Weighing just 16g, the portable Pluto kicks out 25 lumens of light for 180-degree visibility. A flexible rubber strap allows for a range of mounting positions. With its minimalist design, it looks good and slips into a pocket.

1F/K0015



TBS Arofly

The Arofly could be the lightest and cheapest power meter on the market. It screws onto a tire valve and uses a pitot tube design — the system used to measure an airplane's speed and altitude. When paired with a compatible smartphone via Bluetooth, the Arofly provides speed, cadence, distance and other measurements. **Hall 3/G0252**



Luma Escudo

Designed for security and style in the city, the compact Escudo is made of hardened steel. It takes up a minimal amount of space when folded, but with its articulated construction, the Escudo spans 80cm (31 inches) when extended. **4F/M0311**



Roxim Raptor X7

New for 2017, the Raptor X7 casts a very wide cone of light, covering a full 90 degrees and illuminating a width of 8 meters at a distance of 3 meters. Its USB Burst feature increases output by 20 percent and extends runtime with an external USB power pack. **1F/K0021**



Kask Koo

Koo, an eyewear brand from the Italian helmet maker Kask, is designed fit all Kask helmets. Koo sunglasses are made in Italy from polycarbonate with removable, interchangeable Zeiss lenses. They are available in 12 colors. **4F/L0228**



Winride FV

Despite its ultra slim 7.5mm profile, the FV multi-tool crams in 11 bits, including 2/2.5/3/4/5/6mm hex keys, two screwdrivers and two Torx keys. Rounded, V-shape edges mean there are no sharp corners, so it's safe and comfortable in a pocket. **4F/N0527**



MET Strale

At 225g, the Strale is a light, compact and comfortable road helmet. Air channels use the Venturi effect to pull in cool air and push heat out. Safe-T Duo Fit, a micrometric adjustment, allows stability and fit and includes four vertical adjustments. Add optional Duo LED lights for nighttime visibility. **4F/M0306**



Velocite Venn Rev 507 Rim

Velocite says its automated winding technology provides the most consistent carbon fiber composite rims on the market. The profile of the Venn 507 rim was designed using advanced computational fluid dynamics to fine-tune its handling characteristics. It is optimized for 25c tires. **4F/L0401a**



DT Swiss PR 1400 OXiC wheels

The 1400 wheelset is the first to feature DT's new ceramic OXiC technology for better braking and longevity and a stealthy appearance. The OXiC is electromechanically applied to the rims so it won't wear out or fade during the life of the wheel. The lightweight rims are wide, asymmetric and tubeless-ready. **4F/M0701**



New Products

Acoca Hipster 2.0

The Hipster is an agile urban bicycle that can be ridden for sport or loaded with racks and cargo holders. The frame's geometry keeps the rider in a heads-up, ready-for-action position while the low slung flat bar keeps the steering nimble and predictable. **4F/L0209**



Vee Flow Snap Plus 29x6

The Flow Snap Plus from Vee Tire is a universal and polyvalent gravity tire made for a variety of conditions, from mud to dry or loose terrain. This predictable, 2.6-inch tire features controlled grip and breaking power. It is also available in 27.5-inch size. **4F/N0420**



Stronglight 2x11 Chainrings

Compatible with Shimano's XTR FC-M9000 11-speed dual ring setup, Stronglight offers outer chainrings of between 34 to 44 teeth with matching inners between 22 to 30 teeth. Each option is made of 7075-T6 alloy and comes with the brand's HT3 titanium oxide electro ceramic coating for increased life and reduced noise. **4F/L0717**



WTB

Exposure 32 TCS

The Exposure 32 Road TCS tire delivers high-end road performance unfazed by rough surfaces. A slick centerline and hatched intermediate tread transition into minimalistic outer knobs. The multilayered, tubeless Supple Casing delivers a smooth ride that won't deteriorate in variable conditions. **4F/L0826**



CarQon

With a patented steering mechanism underneath the frame, the high-end CarQon e-cargo bike handles easily around corners, letting riders use their bodies to control the steering. A Brose motor provides torque and power. **4F/L0721**



Selle Italia Storica

Part of a range of classically styled leather saddles and accessories, the Storica revives the leather and steel construction that cycling greats like Fausto Coppi rode on. It may have a retro look and materials, but the Storica is decidedly made for racing. **4F/M0110**



T-One Tri

Fully featured but minimally sized, with a patented triaxial transformation mechanism, the Tri has four operation modes. Extension mode doubles the lever arm length for increased leverage. T-mode allows two-handed operation, and Y-mode permits work in confined spaces. **4F/L0808**



ENGLISH

Booth No. **J-1217**

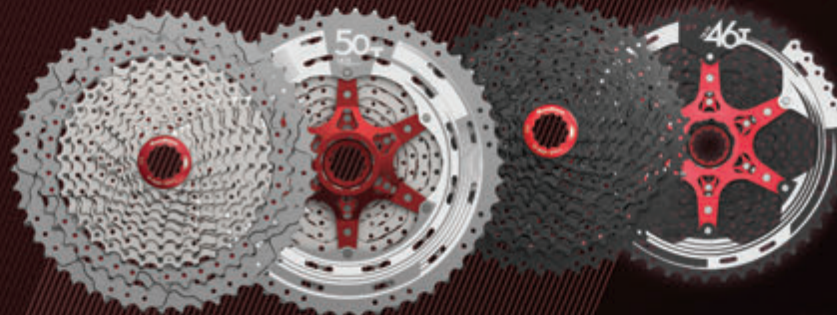
SUN RACE

STURMEY

ARCHER

CSMZ
12-SPEED 50T

CSMX
11-SPEED 50T / 46T / 42T / 40T



DLMX
12-SPEED

FCMX
1X Narrow-Wide

CN12H
12-SPEED



C50
5-SPEED



S40
4-SPEED



New Products

CeramicSpeed OSPW System for SRAM



The Oversized Pulley Wheel System for SRAM is a cage and pulley wheel set that can be retrofitted to eTap or mechanical SRAM derailleurs. Its cage is crafted from a compound of polyamide and carbon fiber. Two oversized sprockets spin on high-quality CeramicSpeed bearings. The company claims it will save about 1.6 watts. **4F/L1308**

Tech One Caracle-S Lite

The Caracle-S Lite folds so compactly it can fit in a suitcase, so riders can avoid extra airline charges. It folds to a size of 60 by 43 by 28 cm (24 by 17 by 11 inches) and weighs 7.8kg (17 lbs). Despite its dinky size, the Caracle-S Lite boasts a lengthy 98cm wheelbase for stability, and an integrated shock absorber.

4F/N1306



SR Suntour Aion

The Aion, awarded *Pinkbike's* Best Value in 2015, has been upgraded with 15x110 boost axle for 27.5- and 29-inch Boost wheelsets. Integrated mount points for trail and urban fenders allow use on e-bikes. 35mm black stanchions enhance durability, stability and aesthetics.

1F/J0417



Büchel Vail

With a runtime of up to 540 minutes thanks to its integrated li-ion battery, the Vail front light has three luminosity settings: 70, 40 and 15 Lux. It has a low-battery indicator, a USB charging socket and a robust plastic housing with a splashproof switch.

4F/M0302



FLR F-XX II

The updated F-XX II is sleeker and has a light, seamless microfiber upper. A carbon fiber outsole boosts power transfer, while a sculpted footbed and supportive heel aids increase blood flow and reduces hot spots. Six mesh insert panels across the toe box and side panels provide ventilation while adjustable retention dials ensure a secure fit. **4F/L1403**



Croozer 3-in-1 Bicycle Trailer

Croozer's Kid Plus and Kid packages include a trailer, stroller and jogging kit. The brand's Click & Crooz function allows easy swapping between the three functions at the push of a button; no adjustments required. The Kid Plus is equipped with AirPad suspension for better shock absorption. **4F/L0330**



Rotor Uno

Uno is the first complete road groupset with hydraulic-actuated shifting and braking. It promises direct, precise shifting, smooth activation, low maintenance, reliability and low weight, and fits rim and disc brakes **4F/L0517a**



VDO M7

The new M7 GPS is VDO's first M-series cycle computer that calculates standard bike functions using GPS — no sensors required. Ride data can be uploaded to a PC via a USB connection, analyzed in VDO software and shared on social media including Facebook and Strava. **4F/L1127a**



Roar & Soar Superband

The tough, light and simple Superband lets users attach almost anything to a bike without tools, including phones, light jackets, sunglasses, energy bars, and water (or beer) bottles. It combines a rigid frame with elastic bands that stretch to accommodate all shapes and sizes. **6F/S0017**



KMC DLC chains

DLC chains use KMC's exclusive Titanium Carbon Nitride coating technology for a smooth, tough, and anti-corrosion surface that significantly reduces friction. A special heat treatment of pins and rollers results in chain life of more than 7,500 km (4,660 miles). DLC chains are used by Tour de France Pro Teams and World Class mountain bike teams. **1F/J0118**



CROSS THE BORDER



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.



**2017 TAIPEI CYCLE
BOOTH NO: I-1210(1F)**



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New Products

Rui Xing PFL-538



With three LEDs, the center unit of the PFL-538 light provides 280 lumens of continuous illumination. Cleverly, the light senses when a rider is turning and increases the beam angle on that side, using the corresponding LED to boost output by an additional 110 lumens. **4F/N1202**

Dr Pad Doc 125

Made for long-distance riders, the Doc 125 pad has a continuously shaped profile, so the transition between each part is smooth and gradual to alleviate irritation. The multi-density design doesn't use glue or stitches for unhindered breathing and minimal discomfort. **4F/M0305**



Pinion P-Line

With huge service intervals and minimalist looks, Pinion gearboxes use spur gearing, with two gearing sub-units connected on the output end. The combination of both gearing sub-units with their different pairs generates the individual gears. Pinion's P-Line contains options for 9- to 18-speed transmissions. **4F/M0828**



Funn Zippa Lite Chain Guide

Zippa Lite is a light, modular chain guide for mountain bikes. It is divided into two parts — an upper guide and a lower taco bash guard. The upper comes in ISGC05, E-type or D-type mounting standards, while two different sizes of bash guards are designed to suit most common chainrings and provide optimal ground clearance. **4F/N1207**



Schwalbe Marathon GT 36

The Marathon GT 36s gives city cyclists reliable, year-round transportation. A new four-season compound stays soft and ensures grip in cooler or wet weather, including light snowfall. Two-layer DualGuard puncture protection guards against foreign objects. **4F/M0116**



Kru T-38

Kru, a new wheel and component brand, launches a range of carbon wheels including the T-38 with such features as zero-maintenance hubs, mountain-proof rims and exceptional durability. Kru says its hubs are designed in-house, and perform like those with ceramic bearings. "Vapor Grown Carbon Fiber" on the rims quickly dissipate heat while braking. **1F/I0401**



Bottecchia T2 Doppia Corsa



The T2 Doppia Corsa is the first racing frame with mounts for disk brakes and direct mount calipers, and adapts quickly between the two systems. The Italian professional team Androni-Sidermec will ride the T2 Doppia Corsa in the 2017 season. **4F/L0617**

Lezyne Micro Color GPS Watch

In addition to its cycling features, Lezyne's GPS watch will please multi-sports enthusiasts with its suite of functions including a basic lifestyle mode. It uses Bluetooth and ANT+ connectivity to pair with power meters, heart rate monitors, E-drivetrains and speed/cadence sensors. It also syncs with iOS and Android devices through the Lezyne Ally app for turn-by-turn navigation. **4F/L0416**



Santini Redux TT

The upper section of the Redux TT speedsuit uses a unique fabric with a rough surface at the point of delamination to reduce drag. Thermo-welded cuffs and laser-cut back pockets provide storage without sacrificing speed. Abrasion-resistant legs are made from a slightly compressive fabric to ease muscle stress. **4F/M0202**



GPS Tuner Apps



GPS Tuner has used feedback from its half a million riders to develop a new smartphone app portfolio in support of brands including Continental, TranzX and Tahuna. The company is also developing real-time, turn-by-turn graphics and text guidance to work with Sony's upcoming SmartEyeglass. **4F/L1210**

New Products

Miranda Timelapse

The Timelapse and Timelapse Pro cranksets offer the best stiffness on the track. They weigh about 800g in all versions and ensure maximum stiffness during powerful pedaling, even on the biggest chainrings. The Timelapse has aluminum chainrings and the Timelapse Pro uses titanium.



4F/L1216

Roxim Raptor X4E

With a panoramic light spread paired with a wide forward vision, the Raptor X4E is for on and off-road use. Power input ranges from 6V to 90V, which covers most of the e-bike batteries on the market. Only 72g, the X4E delivers a bright output of up to 400 lumens and complies with German regulations.

1F/K0021



Rui Xing PRL-410

It's a brake light for the bike. A wireless remote-control device, installed on the brake cable, automatically activates the light when the rider brakes. A U-shaped LED provides 12 lumens of constant output, and an additional 20 lumens for signaling.

4F/N1202



Funn Zippa Lite Chain Guide

Zippa Lite is a light, modular chain guide for mountain bikes. It is divided into two parts — an upper guide and a lower taco bash guard. The upper comes in ISGC05, E-type or D-type mounting standards, while two different sizes of bash guards are designed to suit most common chainrings and provide optimal ground clearance.

4F/N1207



SR Suntour HESC ATS



Adding electric assist that can provide even the most middling athlete with a pair of XC World Cup level legs, SR Suntour's rear hub motor is light enough so it won't compromise a bike's handling. The 250-watt motor can generate 60 Nm of torque and comes with a unique thru-axle design, cooling fin and true freewheel effect.

1F/D0417

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- Outward 12 degrees on lateral bend for more control ability.
- Compatibility Gravel Bike & Cycle Cross.
- Able to switch the handle position quickly.



CLS



Booth No: J-0830

CONTROLTECH
bicycle components USA

New Products

FSA K-Force WE Groupset



WE is the first hybrid wireless electronic group for road bikes. Batteries in the frame power the derailleurs, which are controlled remotely from the shifters. The WE offers the neatness and easy setup of wireless, but with extended battery life. Dedicated apps let users control, customize and diagnose the entire system. **4F/M1211**

Croder Boostone 27.5-plus Wheelset

Designed to work with the newest 27.5-plus Boost platform, the Boostone wheelset is compatible with tires up to 3 inches wide. Wide spacing of the flanges significantly increases stiffness. Its rims are finished with an etched paint and should shrug off impacts from most rock strikes. **1F/00039**



Montague DirectConnect Folding System

Montague Bikes brings 11 new bikes to Taipei featuring its new, patented DirectConnect folding system for better frame stiffness and ride quality and a more streamlined look. Bikes fold in less than 20 seconds. DirectConnect builds on Montague's concentric seat tube design, which doesn't require a break in the frame's tubing to fold. A new latch directly mates the two halves of the frame when unfolded. **4F/M0832**



3T Zero25 Seatpost

A reversible saddle rail clamp transforms this post from inline to a 25mm setback — just flip the clamps from one side to the other to change the offset. It adjusts with a single hex key, so it should be popular with bike fitters and riders who use one bike for road and for time trials. **4F/L1222**



Oriver X-City



A throwback to 80s style, the X-City sunglasses use Oriver's patented "spring joint" for a comfortable fit that stays secure for serious sports use. Made of a hypoallergenic, light and flexible material, they're safe in a spill. Available in a range of colors. **1F/K1225**

Bevato FMC-705

For the increasingly popular 27.5-plus wheel size, the FMC-705 provides a rigid alternative to suspension on frames that are designed around 100mm short-travel forks. It accommodates the widest 3.5-inch tires. **1F/K0307**



Brooks C13 Saddles

Brooks now offers the carbon C13 in three widths for men and women. The range features the same vulcanized natural rubber and organic cotton top of the Cambium, but at a much lower weight. To accomplish this, Brooks has swapped the alloy frame for a continuous carbon rail that reduces contact points and saves weight. **4F/M0316**



Herbert Richter Side Arm 4QF

The "deluxe" bike mount, made in Germany, fits most bike and motorbike handlebars and lets a smartphone be rotated 360 degrees and inclined to an angle of up to 57 degrees. A tightening wheel locks the phone's position in place. The mount protects against vibrations. **4F/L0429**



Diavelo Virtuale



Looking almost like a conventional racing bike, the Virtuale's full carbon frame houses a minimalist motor and battery from Fazua in Germany. Both sit just above the bottom bracket, so weight distribution isn't unduly affected. They provide 400 watts of pedelec support directly to the cranks. **4F/L0721**

Velo Bar Tape

Riders can match their tape with their saddles with Velo's bar tape range. The unique design does away with the traditional adhesive backing, so the tape is easy to fit and remove and won't leave residual glue on the bars. The range includes perforated and reflective designs. **1F/J0717**



New Products 2017

KMC X12 Chain



ゴールドのアウトプレートにブラックのインナープレートを合わせたX12チェーンは各チェーンプレートの内壁全体にXブリッジを配するとともに、非対称の溝を外側部分に巧みに配してチェーンとカセット歯が相互に邪魔しあうのを防いでいる。狭めた設計によって12xシステムの限られたギアスペースにも正確に適合できるとともに、シングルリングのドライブトレインが広い幅を覆っても機能性を高めることができる。

ベースJ0118

Airace Windpro V2 MT Pump



MTB用ながら100 psiまで届く注入能力を持つWindpro V2 MTポンプはコンパクト性とハイボリュームを兼ね備える最新のアルミバレル内蔵設計が特徴で、Schrader またはPrestaタイプの装具とも兼用できる。アルミ製のサムロックレバーとバルブキャップなので製品の持ちもいい。

ベースN0623

Pinion P-Line Gearboxes

Pinionのすこぶる長持ちするコンパクトサイズのギアボックスシステムP-Lineは、スーパーギアリングをベースにギアリングの二つのサブユニットを出力端に繋げることで機能する。それぞれ異なった対応ギアを持つ両方のギアリングのサブユニットを

を組み合わせることで個々のギアが生み出される。PinionのP-Lineには9~18速のトランスミッションがオプションに含まれている。

ベースM0828



CeramicSpeed OSPW System for SRAM



SRAM用オーバーサイズ・プリーホイールシステムはケーシングとプリーホイールのユニークなセットで、eTapにもSRAMのメカニカルディレーラーにも後付けできる。ポリアミドとカーボンファイバーの混合素材で作られたケーシングと高品質CeramicSpeedベアリングで回転する二つのオーバーサイズプロケットを掛け合わせたのが特徴で、約1.6%の省エネができるという。

ベースL1308

VDO M7 GPS Cycle Computer

新モデルのM7 GPSはGPSを使って自転車の標準的機能を計算するサイクルコンピューターMシリーズの第一弾で、センサー不要。ただ回してはめ込んでペダルを踏み出すだけでいい。サイクリングが完了すると、データはUSBに繋げて簡単にパソコンにアップロードでき、VDOソフトウェアで分析し、FacebookやStravaなどのソーシャルメディアのプラットフォームで共有できる。

ベースL1127a



Roxim Raptor X7 Light

2017年用新モデルのRaptor X7は照らす幅を広げられる超ワイド照射設計がポイントで、曲がり角で照度が上がり、90度にわたって横8分、前方3分を照らす。「USB Burst」機能によって照度が20%高められ、外装のUSBパワーパックを加えればランタイムがさらに伸びる。

ベースK0021



3T THM



重さ78gの世界最軽量ステムTibiaは、その軽さに加え、ファイバーの巧みな使用と長さがあるため、路面からの衝撃を吸収でき、走行の快適性をアップするとともに疲労を減らしてくれる。同時に、端から端まで妨げるものやストレスを高めるものがないため強度も保たれる。

ベースL1222

ControlTech Clip-Bar

高度に調整可能なControlTechのクリップバーは左右両方向に30mm動くので左右へのセットアップ調整が平均値を超えた柔軟性で行える。トレンドイヤーな外観と形状は風圧に耐えやすく、走行のコントロール性も高めている。アルミ製でコスト効果にも優れている。

ベースJ0830



Bevato Gravel racing carbon handlebar



高まるグラベルグライド需要に向けたBevatoのカーボン製ハンドルバー最新モデルはドロップ125mm、リーチ80mmでサイズが40cm、42cm、44cmの3種。その独特の形状によりハンドレストのスペースがライダー寄りに大きく延ばされた。シャロールドロップも外側に広げられているので荒れた地形での対応性も高められている。

ベースK0307

WTB Ranger 2.25 TCS Light Tire

雨など湿り気の多いコンディションに強いクロスコンティニュー専用タイヤで、悪条件下での走行でも泥掃けのいいオープントレッド・ブロックパターンが特徴。多方向性サイピングにより厳しい登りや急なカーブでもグリップ力が保持される。どんな過酷な地形やコンディションでも高い性能を保持し、天候に関係なく牽引力を発揮する。

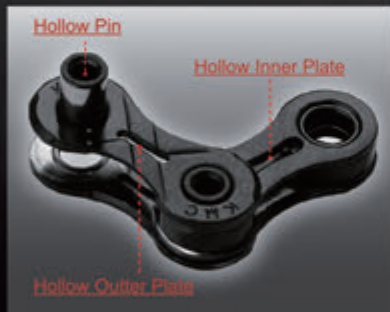
ベースL0826





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New Products 2017

Lezyne Micro Color GPS Watch

多くのサイクリング用特性を備えるLezyneのGPSウォッチはベーシック・ライフスタイルモードをはじめとする機能一式で様々なスポーツジャンルの本格ユーザーを喜ばせるだろう。BluetoothやANT+と接続できるので、パワーメーターや心拍計、Eドライブトレイン、スピード/ケイデンスセンサーと合わせて使えるし、さらにターンバイターン・ナビゲーションも提供するLezyne Allyのアプリを通じてiOSやAndroidの携帯装置と併用するのもいい。

ブースL0416



BETO Pocket Mini Pump PVP-003A



この小型軽量ポンプはジャージポケットの貴重な空間を大事にしたいロードライダーを間違いなく引きつけるはずだ。ミニサイズながらPresta専用ポンプはダブルアクションメカニズムにより1回のプッシュで30ccの空気を押し出す。重さ50g。カラーはアナダイズド仕上げで各種揃えている。

ブースK0615

Otrajet Inc. Nexo puncture free tyres for folding bikes

Otrajetのノーパンク・ソリッドタイヤは従来のエアタイヤの特性の多くを備えているが、このほど折り畳み自転車用に18吋モデルが登場した。標準的なリムに取り付けられて、メンテナンスコストを削減できるため通勤用や公共バイクシェアシステム、レンタサイクル用に便利だ。

ブースS0019



FLR Shoes F-121 Road and Triathlon



スピーディーな移動を可能にする大きめのタブとマジックテープを付けたF-121の上側部分は素足にも優しく、トライアスリートにとって理想のシューズだ。通気性に優れた軽量のオープンエアメッシュをミックスさせて作られた伸縮性合成素材の上側部は圧力を分散し、足を安定させ、シューストラップを絞めるためのアンカーポイントが付けられている。

ブースL1403

日本語

Luma Escudo Carpenter Lock

セキュリティとスタイルがほぼ等しく重要となる都市向けに開発されたEscudoは強化スチール製ロックで、超コンパクトながら最高のセキュリティを保障する。多関節設計により畳むと最小のスペースに収まり、伸ばすと80cmの長さまで伸びる。

ブースM0311



Cardiosport SOLO Speed & Cadence Sensor



磁石がいない超コンパクトな自転車用スピード・ケイデンスセンサー。滑らかで軽量、磁石やケーブルタイを使わずにハブやクランクアームに取り付けられるので自転車どうしでの交換も簡単にできる。加速度計を使ってBluetooth SmartやANT+技術で速度とケイデンスを算出。広く人気の各種サイクリングアプリとサイクルコンピューターに対応できる。

ブースN0027

Weldtite Carbon Gripper Paste

カーボンアセンブリーペーストはカーボン製フレームやコンポを所有するサイクリストなら誰でも必要不可欠とするキットである。同製品はハンドルバーやステム、シートポストへのトルクを絞める必要を減らすとともに、滑り落ちを防ぎ、それによる損傷の危険も減らす。英国製。盗難防止の工夫も施されている。

ブースL0227



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New Products 2017

Arisun Gravel Plus 38 tire

Arisunのグラベル用大型タイヤはローリング抵抗を抑え、トラクション（牽引力）を高める矢印型トレッドが特徴で、中央のほぼ切れ目のないパターンが進みの速さを生み、水掃けや破片掃けをよくする一方、交絡サイドノブが安定したコーナリングを可能にする。新しく付けられたショルダーラッグがコーナリングノブを強め、地面のゆるいグラベルや泥道でカーブを切る時のグリップ力を高めている。

ブースHall 1 NO531



Pacific Cycles

Handy Foldable Handcycle



従来のハンドサイクルのスペースの一部ほどしか取らないので折り畳み式のHandyは使わない時には邪魔にならない存在だ。ユーザーの背丈や個々のニーズに合わせて調整できる設計で、コックピットリーチやハンドルバー、シートポジションがどんな身体の状態にも合わせて調整できる。パワーアシストの助けがあるので長い距離も大きな勾配も安心して乗れるし、エラストマーサスペンションが快適性と安定性を高めてくれる。

ブースNO313

Vincita Company Limited

Birch Brompton Front Bag



Birchは泊りがけ旅行用にデザインしたBrompton用フロント装着バッグで、25%の収納力があるので市販のものでは最大級のひとつに入る。ユニークな衣類入れバッグ、衣類、化粧品、充電器に合わせた仕切り付の取り外し可能バッグも付いており、より早く、より整理した形でパッキングができる。

ブース11225

HR Germany iGripper phone holder and bike Mount 9

簡単な調整と各種サイズのサポートによって様々な携帯電話に対応するユニバーサルなスマホホルダーは、ユーザーのニーズに合わせて各種備品とペアで使えて、オープンフェイスデザインによりコントロールへのアクセスも自由に行えるほか、ホルダーを簡単に180度回転させることもできる。

ブース10429



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バルブキャップに収まるAroflyのパワーメーター

自転車に付いているのが目に留まったとしても、変わった形の特大バルブキャップのように見える。だが実際はパワーメーターで、これを使えばパワーメーターのコストが下げられ、使いやすくなるのでサイクリストにとってはありがたい一品である。



このパワーメーターのサプライヤーは今年Arofly (www.arofly.com) の名称で台北ショーに初出展している。台湾のTBSグループ **3階/0252** が生産する重さ10gのAroflyパワーメーターは自転車のタイヤのバルブのひとつにネジで簡単にはめ込める。Schraderに適合し、アダ

プターを使えばPrestaのバルブにもはめられる。同社によれば、市販の自転車の90%に対応するそうだ。

「Aroflyはスマートなパワーメーター」と話すのはTBSのカーチス・ウー担当責任マネージャー。AroflyはF-117ジェット戦闘機のピトー管を設計のベースに

している。ピトー管は航空機で対気速度を測定するのに使われる。「すべては航空技術が基本となっている」(同マネージャー)。

Aroflyのパワーメーターはペダルに力がかかる時に起こるタイヤの圧力の微小な変化を測定し、高度な計算を行って測定値をペダルの漕ぎ手のパワー出力に変えていく。

TBSによると、ハウジングは防水、防錆加工で、ノブに取り付けるCR 1632バッテリーは約60時間もつ。ノブには低エネルギーのBluetoothモジュールおよびワイヤレスアンテナも収まっている。すべてがバルブコネクター上部の直径2cm、高さ2cmのハウジングの中にと

Aroflyはパワー出力のほか、ケイデンス、速度、走行距離、高度変化を表示するスマホのアプリと合わせて使うことができる。アプリは460時間までの走行データを保存する。アプリはまた必要に応じて更新できるので、サイクリストは常に最新のバージョンを持つことができる。

「Aroflyのユーザーのために、知りたい時にいつでも走行内容を分析するiCloudプラットフォームを開発することを考えている」とウー・マネージャーは言う。Aroflyの小売り用パッケージには全車種共通の自転車用スマホホルダーが含まれている。

TBSグループは台湾のスポーツ用品メーカーで、プール・スノーカーテーブルや膨らまし式プール用キーから野球用グローブまで幅広く生産している。

Aroflyは台北世界貿易センター(TWTC)で開かれる台北サイクルショーと併催のスポーツ用品展TaiSPOのTBSグループのブースに出展している。

■ GE



Prestaのアダプターを付けて展示されているAroflyのパワーメーターはバルブキャップより少し大きめ。

日本語



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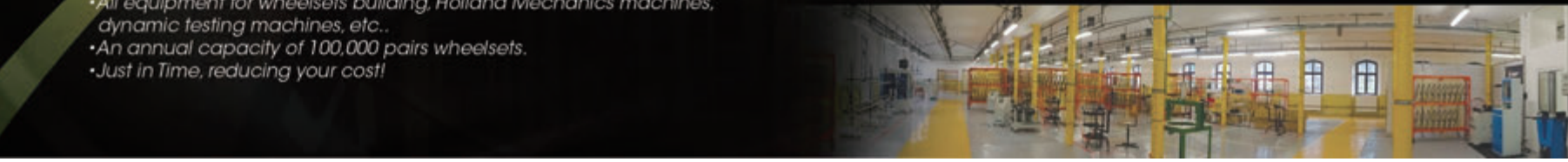
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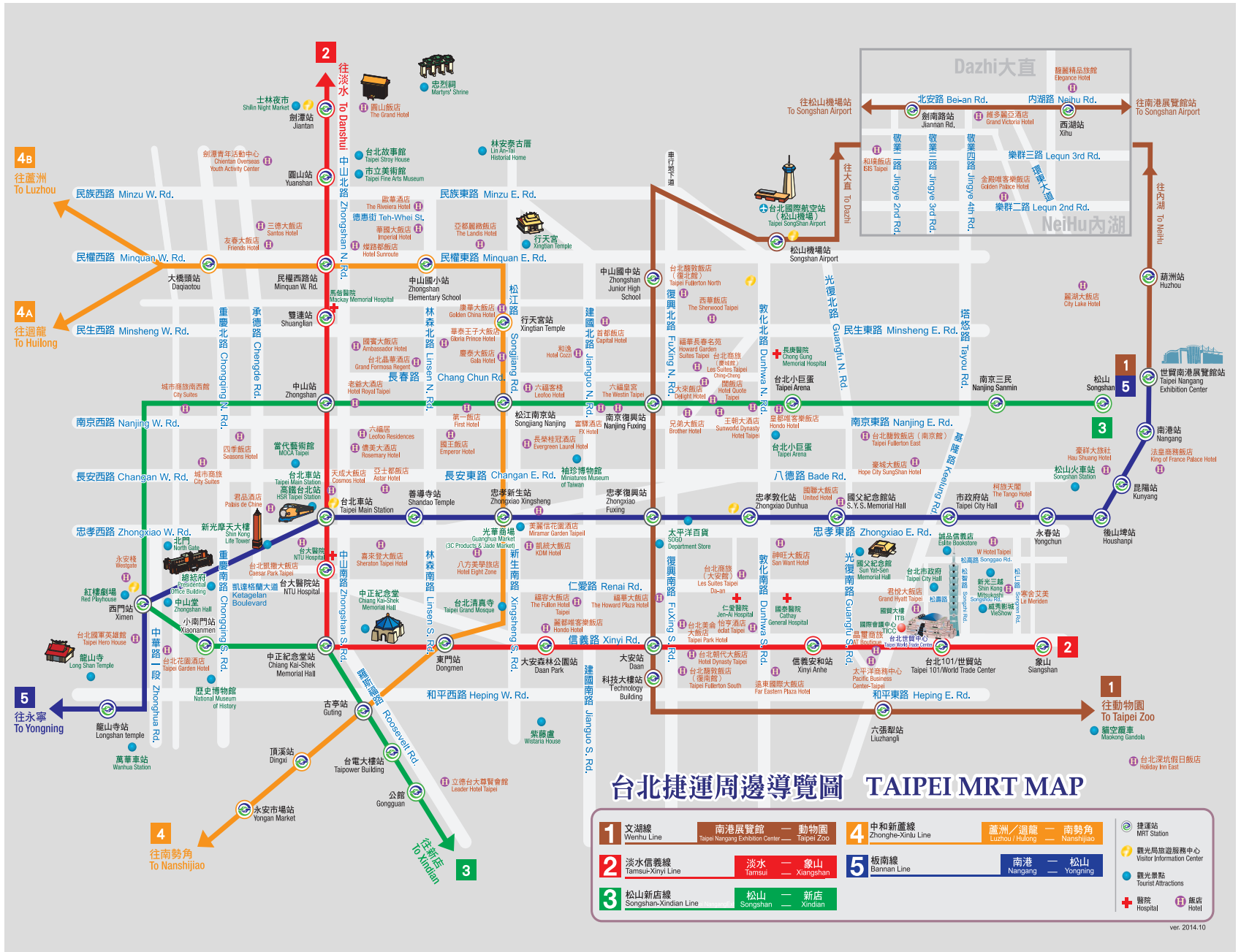
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- P6 Xingzhong Park Tower (647 spc., 24/7, NT\$30/h)
- P7 .. MRT Neihu Depot Parking (584 spc., during exhibits)

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New Products 2017

Velo Angel AirForm Saddle

Veloの人気サドルAngelがAirFormパディングでアップデートされた。高密度フォーム（発泡体）のAirFormは衝撃吸収性を高め、従来のフォームに比べて熱の放散を格段に早めてくれる。サドルにY字の切抜きを入れて圧力を放出し、装着システムのArctechが余分なフォームを加えることなく快適性を高めてくれる設計だ。

ブースJ0711



Tech One Co. Ltd. Caracle-S Lite Folding bike

Caracle-S Liteはコンパクトに折り畳めてスーツケースに収まるので航空代の追加料金も払わずに済む。折り畳みサイズは60 x 43 x 28 cmで、重さ7.8kg。超コンパクトサイズながらCaracle-S Liteはホイールベースが98cmの長さがある安定性を保ち、一体型衝撃吸収システムも付いている。

ブースN1306



DT Swiss ERC 1100 DICUT Wheels

空気力学の専門家との共同開発によるホイールセットERC 1100はディスク装着ロードバイク用で、幅広リムのチューブレス対応タイプながら風圧をかわしてスピードを損なわないデザインに仕上がっている。幅広タイヤに合わせたデザインで、大荒れのコンディションに遭遇してもハンドル操作への影響を最小限に止めてくれる。

ブースM0701



Chaoyang Kestrel Tire



トレッキングやシティタイプの電動自転車用タイヤとして開発されたKestrelはECE-R75仕様に適合する。ローリングを早めるコンパウンドは電動モーターによって生まれる余分な圧力に対応するために特別に設計。低いローリング抵抗がバッテリー寿命が保たれるのを助ける。タイヤは5mm層のNonstopを特徴とする同社の表面保護システム5-STAR Rhino Skin Protectionによる保護も施されている。

ブースHall 1 NO531

日本語

E-BIKE READY



NONSTOP PROTECTION

SPRINT

SPRINT SHARK

KESTREL



CHAODYANG TIRES

Hall 1, NO 531

New Products 2017

Coast Cycles Buzzraw



シンガポールの自転車ブランドCoast Cyclesのアワード受賞ファンバイクBuzzrawが電動アシスト自転車を含む多様なスペックで登場する。特別長いカスタムラウンジシートにもう一人乗せてもパワーアシストがあるから楽々走れるし、ユーザーの誰もがディスクブレーキが強力に利いている感覚を味わえるだろう。 **ブースL1001**

Sun Race Sturmey-Archer Inc.

CSMZ90 12-speed 11-50T Cassette



現在ブロックに詰め込むことができるスプロケットの大半のものと同じ特性を備え、いかにも大きい50歯の巨大コグを付けたこの新モデルはどんな地形も征服するために開発されたカセットだ。自転車とドライブトレインにマッチするようにカラー仕上げはブラッククロムとメタリックシルバーを揃え、素材には最軽量用のアルミ合金と耐久性を最大限に高めるスチール製が用意されている。

ブースJ-1211

SKS Airworx Plus 10.0 Pump

好評のAirworx 10.0 オーバーサイズバージョンのメタルポンプは高品質素材と扱いやすさに加えて最大レート144 psiが特徴で、背高のバルベは背中に優しく、1回の空気注入量も抜群。圧力ゲージはリリースボタン付でマルチバルブヘッドはあらゆるタイプのバルブに対応できる。

ブースM0403



Full Speed Ahead

FSA K-Force WE Groupset

フレーム一体型バッテリーを使ってディレクターにパワーを送る一方で、シフターからのリモートコントロールもできるWEは初のハイブリッド・ワイヤレスシステムで、整ったデザインとワイヤレスを簡単に設置できるのが特徴。しかもバッテリーが長持ちする。市販のどのタイプとも違って、リアディレクターは従来の平行四辺形タイプを用いず自社独自の電動ギアボックスを活用している。

ブースM1211



Winride International FV Multi-tool



7.5mmの超スリムなプロファイルにもかかわらずFVマルチツールは、2/2.5/3/4/5/6mm六角キーやスクロイドドライバー2本、トルクスキー2個を含めて11アイテムのツールを収めている。丸みを帯びたV型エッジは角ばったところがなく、ポケットに入れても安全で取り出しやすい。

ブースN0521

Selle Italia SLR C59 Saddle

人気のSLR製品ラインの最新・最軽量モデルで、世界で生産されるサドルの中で最も軽い63gに仕上がっている。軽量化を果たすためサドル全体をカーボンファイバー製にするとともに、レールにセラミック素材を採用して強度をさらに高めている。上から見ると中央部に‘SuperFlow’の大きな切抜きが入っていて、柔らかい組織から成る局部への圧力を軽減するとともに一点に集中する度合いを減らしている。

ブースM0110



SRAM ROAM 50 Mtb Wheels

SRAMはMTBトレイルホイールセット旗艦モデルの最新バージョンにカーボンリムを追加。Double Time 4爪ハブがスピーディーなピックアップを可能にしている。フックレスのチェーンレス対応ホイールはビッグタイヤ用にリムの内幅を25mmに広げてあるが、重さはペアでわずか1,655gに抑えている。

ブースM0614



Diavelo Virtuale Racing E-bike

従来のレーシングバイクとほぼ同じ外観だが、VirtualeのフルカーボンフレームはドイツFazua製の極小モーターとバッテリーを装備。ともにボトムブラケットのすぐ上に取り付けてあるので重量配分が余計な影響を受けることがない。400Wのパワーサポートが直接クランクに供給される。

ブースL0721



Selle Royal LookIN Saddles

Selle RoyalはLookINコレクションを拡充、レジャー、一般、本格ライド用モデルがそれぞれ男性、女性用で追加された。素材の3D Skingelの入れ具合により衝撃吸収性は代替製品に比べて40%アップしているとのことだ。このほか、調整を加えた形状と強度、耐久性に優れた素材を最重要部に採り入れたことがデザインの変化に現れている。

ブースM0316



Kenda Tires Kwick Journey



700c、26吋、27.5吋ホイール用を用意したKwick JourneyはKendaのコミューター、ツーリングタイヤの新たな旗艦モデルで、KシールドやKシールドプラス（トレッド下の3～5mmの保護ベルト）によって優れたパンク保護とローリング性能が同時に発揮される。ほとんどのサイズがECE-R75認証済みなので時速50kmまでの電動自転車での使用が認められる。

ブースJ0716

Arofly氣嘴蓋功率計

噢...這輛單車上的氣嘴蓋怎麼長得好特別，比起一般氣嘴蓋來得又寬又大。但超乎你想像的是，這可是世上最輕巧的自行車功率計，並且親民的售價可說是造福了廣大的自行車騎士。

這個新玩意叫Arofly [www.arofly.com]將在台北展首發亮相。產品是由台灣世盛國際開發 世貿一館/G0252 所研發製造，本體僅10公克可以鎖上輪胎的氣嘴頭上。Arofly可以使用於美式氣嘴，或是透過轉接環來使用於法式氣嘴。據原廠表示Arofly可以相容於市面上90%以上的自行車。

「這是智慧型功率計，」世盛國際開發產品經理吳建輝說道。

戰機上設有空速管（又稱皮托管），透過測量氣流的總壓與靜壓，可以換算出戰機的即時速度。Arofly是唯一源自於此軍武技術，亦是自行車界的唯一！

Arofly則是透過高靈敏度感應器，可測出騎乘過程中的微量變化，並偵測騎乘時輪胎的受力、移動速度、踏頻等數據，並以高階濾波等演算方式將雜訊過濾，檢測系統中會將偵測到的異常數值過濾，最後得到精準的功率數據。

車胎與輪圈必須耐風吹雨打與高強度震動，Arofly也必須達到同樣甚至更高水準的耐用要求，因此在本體材質上選用強化工程塑膠，防水防塵等級達到IP65，轉接頭的部分則是採用頂級的純鈦金屬美轉法氣嘴，這比一般市售的氣嘴轉接頭都更加耐用，且有更好的氣密效果。至於電力部分採用可替換式的CR1632鈕扣型電池，單顆電池的續航力為60小時。至於傳輸部分則採用無線藍牙低功耗技術。

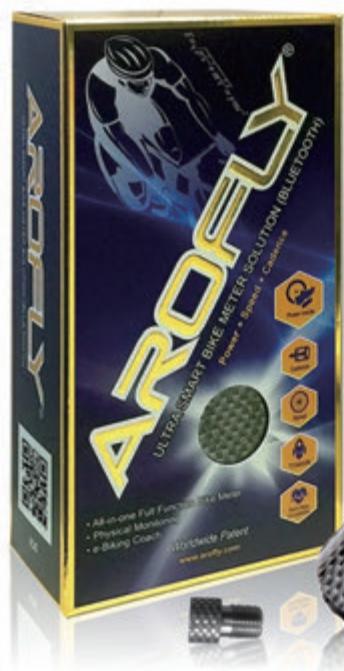
Arofly的直徑只有2公分，比飲料瓶蓋還略小一點，重量也只有10公克。Arofly需搭配使用智慧型手機作為顯示幕，可監控功率、速度、RPM、里程、海拔等騎乘資訊。透過手機APP可以儲存紀錄多達460小時的騎乘資料。

由於手機APP可透過網路更新，方便騎士使用最新版本的軟體。吳建輝進一步補充原廠正在研發雲端資料庫，有利於騎士分析體能狀態。

世盛國際開發是台灣的一間體育用品製造商，生產品項涵蓋了撞球用具、充氣泳池、棒球手套等。Arofly這類嶄新的智慧型功率計，將於台北國際體育用品展的世盛國際開發攤位上亮相。 ■ GE



Arofly功率計搭配轉接環可使用於法式氣嘴上，體積只比一般的氣嘴頭再大一些。



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WWW.KSSUSPENSION.COM

New Products 2017

SRAM RED eTap HRD



結合液壓制動效率和無線電子換檔。SRAM新的HydroHC煞車系統，SRAM RED eTap HRD組件增加了接觸點調整和獨立的握距調整，這意味著無論手的大小或制動感覺偏好，使用者均可以實現他們理想的煞車設置。 **M0614**

Messingschlager Linka Frame Lock



世界上第一個自動解鎖智能鎖。通過藍牙連接到車主的手機，Linka車架鎖會在他們接近自行車時識別。自動解鎖它不需要鑰匙。內置報警器在自行車被鎖定時立即被啟動，而它的警示聲響達到110分貝，警報器將確保所有的目光都會快速地集中在您的愛車情況，讓小偷疑犯無所遁形。

J0-512

Beto One-For-All pump

One-For-All打氣筒具有在高壓和高容量模式之間切換，帶有一個底座安裝的腳踏開關，滿足胖胎輪迷和那些較輕的公路賽車胎的高壓需求。具有足夠的氣量與壓力，低壓調整時，具有0.1 PSI 高精度調整功能。

K0615



APRO R502 Gravel Carbon Rim



APRO的R502輪圈特別適用於輕越野騎行的嚴酷環境，輕巧堅固，正如你對碳纖維所期望的。然而，由於在設計階段的FEA和CFD分析，以及之後的機器和道路測試，碳纖維能吸收礫石顫動的震波。輪圈可搭配無內胎系統，其寬輪框設計，能符合目前輪胎加寬的趨勢。

I1210

KMC X12 Chain

將金色外鏈片與黑色內滾柱結合，X12鏈條在每個鏈片的內壁上具有全面的x形橋，同時非對稱倒角被策略性地放置在外部件上，以避免鏈條和飛輪齒片的干擾。其較窄的寬度設計精確適應12速飛輪系統的有限齒輪空間，無論前齒盤是單速或是多片，都有最佳表現。

I0118



Selle Italia Storica Saddle

包含了部分經典款的風格，Storica 坐墊採用皮革與金屬鉚釘風格作為裝飾。這種古典風格讓人想起車壇當年的偉大傳奇選手如 Fausto Coppi，儘管採用復古的外觀和材料，Storica的狹窄形狀仍然保有著濃濃的競賽風格。

M0110



King Roof Aeroforz Roof Rack



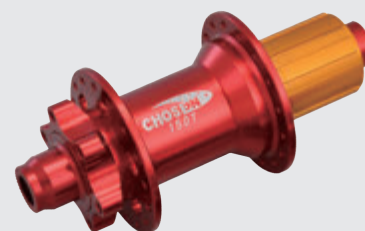
適合各種汽車類型，Aeroforz是一個安裝於車頂的自行車攜行架，不需要在裝載前拆卸自行車的前輪。Aeroforz設有快速釋放固定裝置，可以將整台自行車快速置放，以方便安全為設計的優先考量，確保行車安全。

K0729

Chosen Boost 150T Hubs

專為具有超寬輪圈的輪組設計，Chosen的Boost標準花鼓非常適合全地形的胖胎車使用，加大的鋼絲固定耳，搭配新的150齒棘輪座，讓高比率的驅動系統，讓騎士隨心所欲踏出的每一步，力量都可以實實在在的傳輸化身為速度。

K0429



Oriver Pure Glasses



懷念令人愉快的80年代風格，就從Oriver的眼鏡開始，他們專利特色的「彈簧接頭」結構，足以讓人舒適的配戴一整天，並且符合激烈運動中的使用。由低過敏性，輕質和可彎曲的材料製成，並且提供一系列的顏色，以滿足您的穿搭或心情。

K1225

Dr Pad Doc 126 Chamois Pad

專為長距離而設計的Doc 126褲墊，強調輕量和舒適，保證在任何騎行情況和距離，都有良好的支撐性。它的3D形狀設計允許側翼跟隨身體的曲線變化，前部完全覆蓋最敏感的区域。Doc 126褲墊也有幾個可選特點，從不同密度的成型到不同的材料。

M0305



New Products 2017

VDO M6.1 Cycle Computer

具有精確和全面的高度測量，能夠將十次騎乘記錄保存在內部記憶體，自動啟動和無線傳輸的速度訊號，M6.1也可以升級使用心率和迴轉功能。可選配的轉接器，讓用戶可以透過電腦上傳數據和配置設備。

M127a



3T THM



78公克，Tibia 是世界上最輕的龍頭。它不僅輕如鴻毛，而且隨著它不同長度的變化，會改變碳纖維的排列，以達到它吸收路面碎震，增加使用者的舒適性和減少疲勞。同時，由於從一端到另一端的碳纖維沒有中斷或角度讓應力提升，整體十分堅固。

M1222

SKS Stingray Mudguards

Stingray擋泥板加入了SKS流行的Bluemels系列，採用現代色彩設計。提供自行車的簡約外觀，保有黑色的固定件，而提供紅色，海洋藍色，灰色和石灰綠色的線條設計，適合28吋車輪。

M0403



Kenda Tires Kwick Journey

可用於700c，26“和27.5”的Kwick Journey外胎，這是Kenda新的旗艦級運動與旅行車輪胎。由於加入了建大特有的K-shield或K-shield Plus防穿刺層，在胎面下有了這層3或5mm的保護帶，它提供了優異的平面保護，並且同時不影響良好的滾動性能。此款車胎通過ECE-R75認證，因此即使電動自行車時速高達50km/h，仍然通過安全認證。

J0716



Roxim Raptor X7 Light

2017年新款Raptor X7具有極寬的光學設計，可增加照明寬度。為了在角落提供額外的照明，X7覆蓋了完整的90度，照明8米寬，3米的距離。其“USB Burst”功能將輸出提高20%，並通過添加外部USB電源包可延長運行時間。

K0021



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4F / M1219



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New Products 2017

Herrmans H-Black Pro Light



採用與汽車領域相同的技術，H-Black Pro車燈具有高的光效率。通過100%的引導輸出，它提供廣泛的周邊照明，同時在道路或路徑上提供深而均勻的遠向照明，所以對於對向車輛不會造成困擾。提供持續供電形式符合 6-12V ebike版本，其多關節固定架提供高度、長度和角度調整。

4F-10230

Haibike Xduro Dwnhll 9.0

沒有纜車也可以玩下坡車。電動下坡自行車讓人開闢更多的騎跡。有了電動輔助為爬坡加點力，無論是賽季或是非賽季，全年都能玩登山下坡車。增加了250W的輔助功率，採用Bosch的馬達組件，提供了越野摩托車和傳統下坡之間的不同經驗。

M1219



Otion Otion adhesive grip



台灣公司Otion開發的新款止滑材料，這材料可以有效增加局部位置的止滑手感，如變速和煞車撥桿，座墊和計時賽把手。此款止滑材料讓產品在無論是否配戴手套，無論乾濕的情況，都有良好手感，提供顯著增強的牽引力。其微纖維如「壁虎皮膚」的表面也吸收衝擊，減少高頻振動的應力。

00043

WTB Exposure 32 Road TCS Tire

專為公路越野所設計，無論是在新開闢的道路，或是鄉村的無柏油路面，WTB Exposure 32 Road TCS輪胎就是專為輕越野而設計，中間胎面採用光滑搭配中心紋路，搭配兩側的顆粒增加抓地力。可搭配無內胎系統的多層結構，旨在提供舒適平穩的騎乘感覺，而不會在各種條件下惡化。同時推出有30c的skinnier，以及34c的beefy。

10826



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AP-46BT iWINDPRO V.1 RD

- Equipped with Bluetooth 4.0 technology: Pump pressure can be read on smart mobile devices via Bluetooth using "iGauge" App
- Super-micro size 5.5" for easy carry
- Reversible for Schrader, Presta
- Suggested max. pressure: 120psi (8 bar)
- For road bike
- Battery: CR2032 x 1pc (Included)



AP-48BT iWINDPRO V.1 MTB

- Equipped with Bluetooth 4.0 technology: Pump pressure can be read on smart mobile devices via Bluetooth using "iGauge" App
- Super-micro size 5.5" for easy carry
- Reversible for Schrader, Presta
- Suggested max. pressure: 80psi (5.5 bar)
- For mountain bike
- Battery: CR2032 x 1pc (Included)



CarryMe，請帶我一起去旅行

專精於折疊車以及特需車製造的太平洋，旗下四款折疊車系各有專精：經典再現的Birdy、富有未來意象的IF Mode、性能小折Reach、小巧易攜的CarryMe。在已經精鍊成熟的折疊結構下，太平洋仍持續在細節處提升精進，打造更人性界面的折疊結構以及騎乘強度，帶給使用者更佳的騎乘體驗。

除了本體結構上的提升，太平洋今年更帶來一系列的UDesign升級套件，透過原廠設計監製的改裝聖品，帶來更便捷的城市通勤，也為車友增添個性與品味。其中最引人注目的，是專為CarryMe打造的硬殼旅行箱，這只強化結構的旅行箱可完整收納CarryMe提供良好的保護性，整體重



太平洋行銷企劃鄧力仁輕鬆將CarryMe收進旅行箱。

量6公斤加上一輛CarryMe總重低於16公斤，還有空間能收納個人裝備，非常適合作為長途轉乘的移動方案。太平洋行銷企劃鄧力仁表示：「CarryMe目前在太平洋折疊車系佔比第二名，方便攜帶的8吋小輪徑設計，可以作為運動良伴，更適合在城市之內25公里的綠能通勤。」



CarryMe讓你帶著旅行箱一起去旅行。

BeLiv相信自己 全球女力當道

全球自行車領導品牌GIANT攜手全球女性專屬自行車品牌Liv，透過各類的創新產品與技術，帶領自行車騎士創造屬於自己「Perfect Ride」的完美騎行經驗與樂趣。在今年台北展Liv帶來BeLiv女



捷安特內銷總經理鄭秋菊與BeLiv女性運動休閒自行車系列。

性都會運動車，更帶來專為女性設計的電動輔助自行車Aimez-E+，讓女生也能優雅的運動。

關於市場當紅的電動車，特別是近年歐洲E-Bike蓬勃發展讓2016年GIANT歐洲電動車營收較2015年成長近五成。今年GIANT更一次推出最完整的E-Bike全產品線，包括都市通勤、公路運動到專業登山挑戰。台北展中GIANT將同時展示相較於一般電動車，在研發設計上難度更高的兩款電動登山車：Full-E+ 0雙避震電動登山車，及Dirt-E+ 2單避震電動登山車。此兩項產品皆搭載GIANT獨家倍力動能技術、

SyncDrive 80Nm高效同步電機，以及領先業界的500瓦時高性能長效鋰電池。

此外，Liv獨步全球，在台北展中率先發表BeLiv女性運動休閒自行車系列。藉其簡約時尚的造型、體貼友善的設計，BeLiv預計可以邀請更多女性朋友開始騎車。BeLiv將一次展示三組系列，包括：彎把BeLiv 2、BeLiv 2 City及平把BeLiv F。而GIANT則在都會運動區展出採用CoMax複合材質的FastRoad CoMax及運動健身電動車Fast E+，也能充份滿足男性騎士運動健身的需求。

中文

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New Fitness Demonstrations

Hall 3 Stage

Friday, March 24

10 - 10:40 a.m.

Swing Riding Indoorbike
BH Asia

11 - 11:40 a.m.

Stroops 3D
Chanpyon International

12 - 12:40 p.m.

Ugi Ball
Chanpyon International

1 - 1:40 p.m.

Pound Fit
Extreme Fitness Center /
Light Fitness / WAO

2 - 2:40 p.m.

Super iParty
iParty Fitness

3 - 3:40 p.m.

Fight Do
Radical Fitness

4 - 4:40 p.m.

Thump Boxing
Brain & Body Academy

5 - 5:40 p.m.

Zumba
TWI

Saturday, March 25

10 - 10:40 a.m.

Jump power
Health & Exercise Association

11 - 11:40 a.m.

AeroDance
We Love Aerobics Academy

12 - 12:40 p.m.

Piyo
O2

Paul Yang is expected to helm a rejuvenated TSMA

A new generation of executives is expected to rejuvenate the Taiwan Sporting Goods Manufacturers Association (TSMA). The TSMA, which is a co-organizer of TaiSPO, prepares to elect a new board on Wednesday.

Paul Yang, 51, vice president of Continental Chemical Industries, is the sole candidate to be **TSMA Hall 117/B1015a** president. He would replace outgoing president Catherine Wang, who is stepping down after six years as the TSMA's head.

The new board is expected to reflect an ongoing generational shift in the Taiwan sporting goods industry. Several candidates for the TSMA board are second-generation managers like Yang, whose father, Sanfu Yang, founded Continental.

The TSMA was created in 1971 and Yang said several board members are in their 70s or older. He wants to lower the average age of the 27-member board to be closer to 60.

Wang, a manager at Yuan Chi Overseas, has been praised for her stint as president. The TSMA's most ambitious initiative during her tenure was the creation of the S-Team, a group of Taiwanese manufacturers of fitness equipment and components that works together to make the supply chain leaner. Wang worked with Johnson Health Tech founder Peter Lo to launch the S-Team.

Yang said he would continue to support the S-Team if elected TSMA

president. "It is very important for our members to stay together on technology improvements," he said, adding, "there are very positive signs showing the success of the S-Team."

The S-Team was modeled after a similar effort in the bicycle industry, the A-Team. Wang noted that S-Team members include several competitors who have agreed to share at least some of their knowledge to help the broader industry.

Wang also launched an initiative, the Evergreen project, to get older Taiwanese to exercise more. Wang worked with Taichung city officials to host exercise classes for seniors at public buildings.

She intends to remain involved with the Evergreen project after she steps down from the TSMA.

"Many organizations are trying to get this sort of activity off the ground, and our idea was to link it with the industry," said Wang. "We are hoping



Paul Yang

that our project will be duplicated in other cities."

The Taiwan sporting goods industry exported some \$1.7 billion in products last year, dropping a modest 0.6 percent compared with 2015.

Last year's results were impacted by small declines in sales to Taiwan's largest markets, the United States and China. Exports increased to other important markets including Japan, the Netherlands, France and Italy.

Exports of fitness equipment, the industry's biggest category by far, rose 4.7 percent to nearly \$788.5 million. But golf equipment, the No. 2 export category, dropped by 4 percent last year after a 6 percent decline in 2015.

■ BS

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Starting in 2018, TaiSPO will stand alone again

While Taipei Cycle is moving its show dates from March to late October/early November next year, TaiSPO will remain a March show.

That was the overwhelming preference of TaiSPO exhibitors, according to a survey conducted by show organizers.

"Almost 70 percent of the respondents prefer the show dates to remain in March," said Jessie Tseng, team manager for Taipei Cycle and TaiSPO.

The 2018 edition of TaiSPO is scheduled for March 7-10 at its usual venue, the Taipei World Trade Center (TWTC). It will be the first time since 2011 that TaiSPO and Taipei Cycle have been separate shows.

Tseng said fitness equipment manufacturers, who occupy some 70 percent of TaiSPO's booths, solidly supported remaining a March show.

"They told us that for this industry, a show held in the first half [of the year] will be more convenient, because they can show their new products," Tseng said. The timing also fits with that of two other major international fitness fairs in March and April.

However, apparel brands are much

less happy about the decision to split TaiSPO and Taipei Cycle. Many apparel companies say many of their visitors come to Taipei primarily for the bike show.

Of 3,016 international visitors who attended TaiSPO in 2016, 1,393, or 46 percent, came from Taipei Cycle.

Tseng acknowledged that the number of visitors would almost certainly drop next year, but said TAITRA is boosting its marketing efforts to attract buyers and other visitors to the show.

It will strive to retain existing customers while developing emerging markets, with an emphasis on Southeast Asia. Tseng knows

that region well because she lived in Malaysia for more than six years.

Although the timing will be unchanged, the venue could change. Organizers are considering moving TaiSPO to the Nangang Exhibition Center, where Taipei Cycle takes place, starting in 2019.

TaiSPO currently has a short waiting list and fills the two TWTC halls at its disposal. ■ BS



Jessie Tseng

Free Shuttle Bus Schedule

TWTC Exhibition Hall 1 to/ from Nangang Exhibition Hall (round-trip)

Taipei World Trade Centre Exhibition Halls 1 & 3

March 22-24 ... 8 a.m. to 6:30 p.m.

March 25 ... 8 a.m. to 1:30 p.m.

Buses leave every 15 minutes

TaiSPO 2017 Events

March 22 – 25

Taipei World Trade Centre Exhibition Halls 1 & 3

Friday, March 24

9:30 a.m. – 5 p.m.

New Fitness Program Demonstration

Organizers: TAITRA, Light Fitness
TWTC Exhibition Hall 3

Saturday, March 25

9:30 a.m. – 12 noon

New Fitness Program Demonstration

Organizers: TAITRA, Light Fitness
TWTC Exhibition Hall 3

SportsArt removes the curve on a self-powered treadmill

The two treadmills at the center of SportsArt's stand have such a large deck that some buyers could see them from the escalator.

That's because they are both self-powered — and one actually feeds electricity into the power grid.

The idea of a self-powered treadmill isn't new, but most require a concave running surface, like the Woodway.

The new treadmills from **SportsArt Hall 11F/D0711** are different because they offer a flat surface, albeit one with a fixed incline of eight degrees.

The company believes many consumers would prefer the flat surface over a Woodway-style curve.

"The gravity pulls you back. You have to use your power to run," said Michael Kuo, global executive officer at SportsArt Industrial. "We're using the resistance to generate power."

One of the self-powered treadmills at the center of the SportsArt stand generates enough electricity to power the console, while its equally bulky sibling takes excess power generated by the user and feeds it into the grid.

SportsArt sells the Eco-Power range of watt-generating fitness gear including stationary bikes and ellipticals.

The circular motion of these types of machines is easier to transform into energy. To pull

off the same trick with a treadmill, the wheel that drives the running surface has to be enlarged, leading to such oversized decks.

SportsArt, based in Tainan, is showing prototypes at TaiSPO to get feedback from buyers. It plans to start production this year. ■ BS



Michael Kuo on a new SportsArt treadmill

Ampera launches rower with electronic resistance

Several national rowing teams are testing a rower concept from Strength Master that uses electronic resistance.

Strength Master Hall 11F/D0326 uses a similar technology in its Ampera brand of athletic training equipment. Instead of using physical weights, the equipment generates resistance levels electronically.

The computer-controlled system generates resistance during both eccentric (shortening) and concentric (lengthening) movements. For safety, Ampera's electronic system releases tension if it senses that resistance is too strong.

"The system detects if you can handle the resistance, and if not, it will let go," said Pauline Lin, sales manager at Strength Master. "It helps to make training more precise and to avoid injuries."

She said the Ampera rower, on

display at TaiSPO, also uses vibrations to simulate the sensation of open water rowing.

Strength Master is known for its cardio products and for its Lifespan brand. The company launched the Ampera brand last year for the athletic training market.

It sent rowers to several top rowing teams to get feedback and publicize the Ampera brand name.

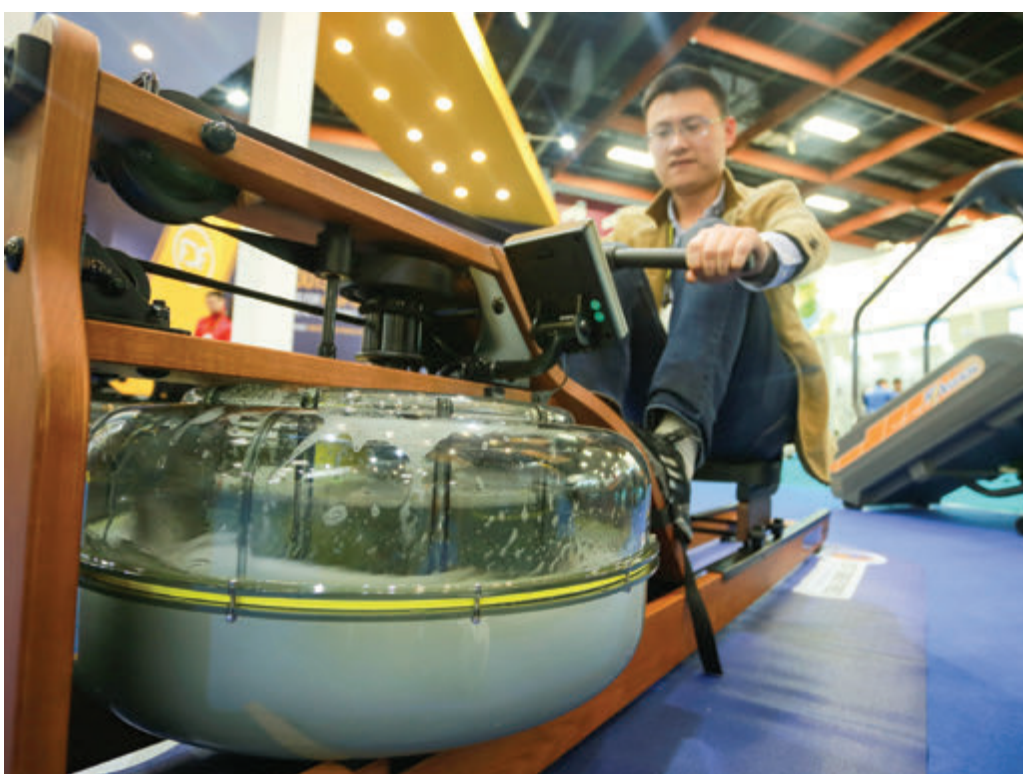
Strength Master has also teamed up with Frank Koch, a seasoned European fitness industry executive, to promote its products in Europe.

Koch, based in Germany, formerly worked with Icon Health & Fitness, Kettler and other fitness brands. ■ BS



Brian Chang of Strength Master on an Ampera rower that incorporates electronic resistance.

TaiSPO Photos Day 2

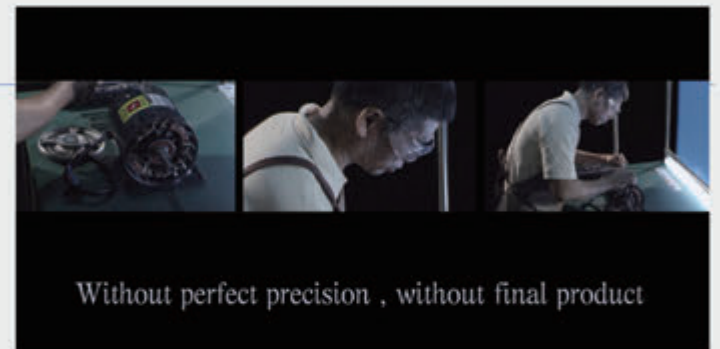


Artisan spirits in Taiwan

S-Team established in 2011, is an industrial alliance of fitness suppliers in Taiwan. They demonstrates the exclusive artisan spirits to always look for better fitness designs and products.

Concepts & Goals

- To be reputed as high quality fitness suppliers.
- To be credited as trustful and progressive global fitness partners.
- To establish a brand image of S-Team's fitness made in Taiwan.
- To set the Central National Standard (CNS) of Fitness Equipment so that key model parts can be standardized and commonly used.
- To upgrade the production technology with the vision of the future.
- To establish Taiwan as the global high-end fitness manufacturing and R&D hub.



Visions

- Google Fitness, Taiwan's best
- Taiwan is the leading global fitness hub
- Taiwan is the global supplying base and service center for commercial and high-end home-use fitness equipment
- S-Team Logo is a credible symbol of high-quality fitness equipment





Floor Plans TWTC Exhibition Hall 1, 1st floor

- Sport Balls
- Massage Product
- DiWaS
- SpoMODE
- Media & Association
- Miscellaneous Products
- Cross Strait Exhibition
- Outdoor & Extreme Sport Products
- Fitness Equipment

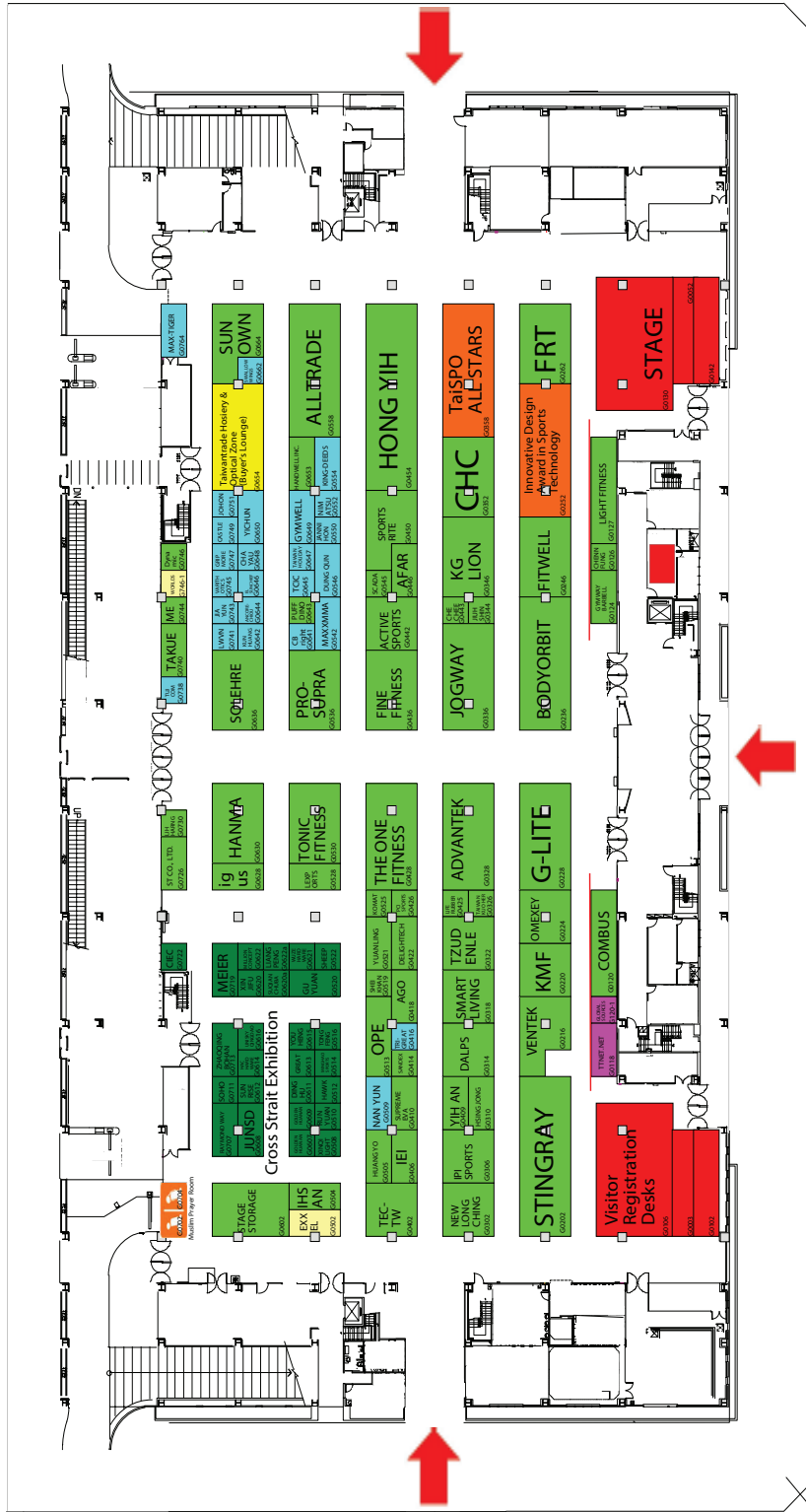




TWTC Exhibition Hall 3, 1st floor

市府路 Shih-Fu Road

- Sport Balls
- Media & Association
- Miscellaneous Products
- Cross Strait Exhibition
- Fitness Equipment



松壽路 Song-Shou Road

松智路 Song-Chih Road



With puzzles and pedals, Cognibike keeps brains sharp

For someone trying to solve a Sudoku puzzle, it helps if they are pedaling at the same time. That's the concept behind the Cognibike, a recumbent bike for elderly users that exercises the brain along with the body.

Cognibike is the result of a partnership between **Dyaco International Hall 11F/B0609a**, the Taichung fitness equipment maker, and Tsukui Sunshine, a Japanese chain of hospitals and nursing homes. Dyaco has launched an international version of the Japanese prototype.

The Cognibike looks like a standard recumbent bike. But its touchscreen asks users to answer questions and solve puzzles while they peddle. They might be asked to put a series of numbers in order, play a game of "rock, paper, scissors," or memorize the location of three numbers on a simple grid.

"The oxygen flow created by the pedaling stimulates a part of your brain," said Brian Murray, chief development officer at Dyaco. "That helps to increase the effectiveness of the cognition software, to prevent or address an early onset of dementia."

Dyaco will sell an international

version of the Cognibike under its Spirit Fitness brand.

Dyaco created the Spirit Medical Systems brand for medical and rehabilitation equipment.

A Cognibike workout begins with a fingerprint scan to identify the user, and a short test to assess his or her cognitive skills.

The bike's software prescribes a brain-training exercise based on the user's score that is done to the regular ticking of a metronome.

The metronome adds a layer of complexity because the rider has to focus on two things at once — pedaling in sync with the ticking while solving the puzzles.

"The international version of the Cognibike requires a translation of the software, starting with English and Mandarin," said Melissa Chen, deputy manager of the sales department at Dyaco.



A Dyaco tech demonstrates the Cognibike.

Dyaco has shipped nearly 1,000 Cognibikes to Japan. The company is encouraged by initial results from

Japanese users, but is undertaking more research to measure the Cognibike's impact. ■ BS

Spirit Fitness shifts into functional training as it also launches a full commercial line

Unfamiliar shapes and colors make an appearance at Dyaco International this year, as the company extends its Spirit brand into functional training.

It marks a strategic shift for **Spirit Fitness Hall 11F/B0609a** which has focused on cardio and strength equipment for the fitness and medical markets.

Functional training "is the fastest-growing category in the fitness industry," said Allen Ting, special assistant to the CEO.

Spirit's new modular functional training system includes a power rack station, monkey bars, and stations for dips, suspension training, battle ropes and more.

Dyaco is investing in branding as well as product development for the Spirit Fitness brand.

In addition to the functional training system, Spirit has launched a full commercial range, known as the Spirit 900, marking a significant strategic move for the company.

Dyaco showed prototypes of the Spirit 900 line at last year's TaiSPO. It includes a treadmill, an elliptical, a recumbent bike and an upright bike, all equipped with Spirit's latest interactive consoles. The line will come to market this year.

The launch comes in the wake of Dyaco's initial public offering on the Taipei stock exchange in September. The company raised NT\$527.2 million (€16.0 million/\$17.3 million) by floating 10 percent of its shares. It is using the proceeds to bolster operating capital and lessen its debt load.

Along with the Spirit brand, which Dyaco bought in 2008, the group sells

home fitness equipment under the Fuel and Xterra brands, and vertical market equipment under the Sole brand.

Sales for the Dyaco group last year rose about 10 percent to the equivalent of about \$150 million, helped by increased demand for medical fitness equipment and light commercial gear.

Dyaco, based in Taichung, is also investing in partnerships. It began manufacturing Adidas-branded treadmills, bikes and ellipticals last year in partnership

with RFE International, which is the fitness equipment licensee for Adidas and Reebok.

Dyaco officials say the new Spirit commercial line should boost global sales this year. It also expects to benefit from a new subsidiary and warehouse it established near Cologne, Germany, to support its European distribution.

Earlier this year, Dyaco Europe acquired

Cardio Fitness, the second-largest German specialty fitness retailer, from its two shareholders. Cardio Fitness has six retail stores in Germany and one in Austria. An online store accounts for about half of its estimated €12 million (\$13 million) in annual sales.

"The reason to buy Cardio Fitness is primarily to assist the growth of our business in Germany," said Chris Hancock, global marketing director at Dyaco. As the retail market consolidates, Dyaco wants to be able to reach end consumers directly.

Dyaco will manage the Cardio Fitness business from a separate office,

also near Cologne, and is seeking more retail locations in Germany. It also plans to expand the online store to serve other European markets.

The two former Cardio Fitness owners will no longer be involved in the company.

Dyaco has also been investing in its Taiwan headquarters. The company opened a new factory two years ago and, last July, opened new offices in Taichung. The offices are home to some of Dyaco's executives along with its industrial design center and marketing team. ■ BS



The Spirit Fitness modular functional training system

Sable takes goggles on dry land

Many Taiwan sporting goods stores offer Sable swimming goggles that can be fitted with prescription lenses. This year, Sable heads for dry land with sport goggles with frames that can be customized even for lenses of high prescription strength.

"We have found a way to customize the curved rim, so you can insert prescription lenses of minus 1.5 to minus 8," said Wendy Song, marketing

manager for Sable's parent company, **Eradiate Enterprise Hall 11F/A0333**

Song was referring to the diopter value, which is used to measure the strength of a prescription for corrective eyeglass or contact lenses.

Many cyclists, rock climbers and other active sports enthusiasts prefer sunglasses that curve around the face. But Song said that because of the curvature, most sport sunglasses can't accommodate lenses with a diopter measure greater than minus four.

Flatter frames, though, are often

less comfortable.

Sable has developed a modular system with seven pieces, built around a frame with a curved rim. For nearsighted users, a special lens ring attaches to the frame to hold the prescription lenses.

The frame has an adjustable nose pad and a protective pad. The temple consists of two pieces, including an adjustable tip. Rim and pivot locks ensure that all pieces click safely into place.

As with its swimming goggles, Sable provides retailers with a selection of lenses and frames so they can assemble a customized goggle with the proper prescription lenses.

"If you go to an optician you'll have to wait for two or three hours, but with our system you can try on your goggles and



A Sable curved sports goggle fitted with prescription lenses for nearsightedness

pick them up right away," Song said.

The Sable lenses are optimized for sports, with mirror coatings and a scratch-resistant hard coating. Both sides of the lenses also resist fogging.

Sable plans to soon launch photochromic lenses, lenses with an anti-reflective coating, and lenses tinted to block the kind of blue light that is emitted from computer screens and can cause eye strain. ■ BS



Using these modular components, retailers can quickly assemble prescription sports goggles for customers.

No tutu needed for Build Ray's adjustable barre

From its origins in ballet practice, barre training is increasingly popular in fitness clubs as a form of exercise that helps users tone and stretch efficiently.

Build Ray Enterprise Hall 11F/A1315 aims to take it further with a multi-functional fitness bar stand intended to practice in gyms or at home. The bar height adjusts quickly for different exercises.

At hip height, for example, the stand is ideal for stretching the legs and back. Lowered, the bar can be used for single leg squats or push-ups. The equipment is stable enough to use for standing hamstring stretches.

"It's useful for stretching, to work your arms and your back, and plenty of other functions," said Tina Kuo, export manager at Build Ray. "It even works to massage your calves and your thighs, which is good for your kidneys."

One model comes with two top tubes that can be clicked together to form a longer version, or used with a single tube to form a mini-stand. Kuo said the equipment is available in several colors and wood finishes.

Build Ray has been making ingenious fitness accessories for many years. The shelves of its showrooms in Taichung are crammed with products ranging from mats to rollers, balancing boards, weighted bags and punching balls. One of its best-selling products is Ab Shaking, which the company says reinforces the abdominal area through vibration.

The company outsources much of its production in Taiwan but also owns a small factory. Kuo said Build Ray oversees quality control for all of its shipments.

An added benefit for customers is that the company offers packaging design, which it has learned through many years of working with such marketing-savvy customers as Boots.

"We cannot compete on big volumes, but if customers want smaller or medium quantities, they often understand that our quality and experience are very valuable," Kuo said. Her elder brother, Robert Kuo, runs the company as well as an unrelated business in Taipei.

Build Ray focuses on Europe and America, but has recently invested more in Asian markets including the Philippines, Japan and South Korea. ■ BS



Tina Kuo with the Build Ray adjustable barre

Jiayun keeps golfers and their clubs dry

Avid golfers are unlikely to be put off by a little rain and wind, and Jiayun Umbrella has just the trick to keep their costly equipment dry. Its umbrellas are large enough to cover an entire set of golf clubs, along with their owner, in a golf cart.

The umbrellas have a patented construction featuring two canopies separated by mesh.

"It lets the wind go through the first layer, so it won't get trapped in the umbrella and flip it," said Jenny Tseng, whose parents established **Jiayun Umbrella Hall 3 G0743** near Taichung. Trials at Taiwan's national test center proved it stands up to the strongest winds.

While the huge umbrella is much appreciated by golfers, with a straight handle that fits on the cart, it's equally practical for keeping people dry off the greens.

Jiayun assembles the umbrellas at a factory next to its headquarters near Taichung, which is equipped with mold-making tools for plastic injection and heat transfer machines.

A second factory in Huizhou, Guangdong province, employs about 100. Together, the factories turn out approximately 500,000 umbrellas per year, around 20 percent of them for golfing.

The company is also eager to boost sales of its regular umbrellas with curved handles, sold under the Jiayun brand. In Taiwan, it sells them online



Keeping golfers, and their clubs, dry.

and at a temporary store in Taichung, which should become a permanent outlet next year.

"We want to turn umbrellas into a fashion accessory, instead of a disposable item," Tseng said. "You could match it with your clothes, or use it to show your personality."

Jiayun also plans to launch umbrella rental stations in Taichung in partnership with local authorities. Umbrellas embedded with a chip could be picked up at a rental station and dropped off at another. The hourly payment is unlikely to add up to much, but advertising space on the canopy could be a money-spinner. ■ BS



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Credits & Contact Info

Publisher

Tom Kavanagh
K.B. Media Ltd.
28 Llewelyn Way
Dublin 16, Ireland
www.bikeshowdaily.com
tom@bikeshowdaily.com

Editor-in-chief

Doug McClellan
+1.505.660.9957

TaiSPO Editor

Barbara Smit
barbarasmitnews@gmail.com

Design & layout

Keith Wealleans
keith@cleardesigns.ie
Gary Wang

Onsite writing team

Jo Beckendorff
Nicole Formosa
Laurens van Rooijen
Alan Zhang

Contributors

Joseph Delves
German Eslava
Richard Peace

Advertising sales

Worldwide:
sales@bikeshowdaily.com
Taiwan:
Peggy Lee
peggy666@ms32.hinet.net

Contact Us:

TaipeiShowDaily
@gmail.com

Onsite photographers

Lester Chu
Kenji Sugata

Authorized By



WWW.TAITRA.COM.TW

TAITRA liaison

Jasmine Wu

Printed by

Chuen Fung
群鋒企業
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