
NEWS RELEASE

For Immediate Release

JD Corporation premiers next-generation drive system for e-bikes

Taipei, March 25, 2007 – JD Corporation, the Taiwanese manufacturer of mobility products and bike components that created the global kick-scooter craze in 2000, today unveiled TranzX Power Support Technology (PST) – a state-of-the-art drive system for electric bicycles – at the Taipei International Cycle Show.

The new-technology, pedal-activated drive system marks the company's entry into a market projected to grow dramatically.

TranzX PST propels bicycles by the latest in efficient and lightweight electric technology, delivering a smooth and unique riding experience. Virtually maintenance-free, the high-tech system offers smoother acceleration, low running costs, simple operation, low noise and zero emissions.

Built specifically for the OEM market, JD's drive system offers unprecedented versatility, letting bike manufacturers flawlessly adapt TranzX PST to their individual specs and brands.

"TranzX PST is an innovative, pedal-activated drive system that is simply ahead of its peers on the market today," said Gino Tsai, JD Corporation's president. "We set out to meet the demands of our customers by addressing consumer needs. The result is an environmental-responsible system that delivers more performance and adheres to modern regulations for electric bicycles."

TranzX PST raises the bar of pedal-assisted drive technology

TranzX PST successfully delivers the high performance sought by today's demanding consumers. Engineered for low maintenance, the high torque system features innovations that deliver intuitive power with the feel and ease of the natural movement linked to quality pedal-only bicycles.

TranzX PST assembles all the best technological and design resources within the market, to supply quality and affordability.

Highly sophisticated TranzX PST consists of a pedal-activated drive system that features the latest Torque Measuring Method (TMM4) technology. A smart torque sensor seamlessly supplements the rider's pedaling, delivering better performance and increased acceleration.



The patented TMM4 technology ensures that TranzX PST naturally responds to the rider's every pedaling stroke, progressively increasing power as needed. TranzX PST delivers full availability of performance, even while at a standstill. Output is greatest when the rider needs it the most: starting and climbing. The power support decreases as speed increases and tapers to zero at 25 km/h.

The sophisticated design engineered specifically for TranzX PST increases range. A 250 W brushless electric hub motor is powered by an advanced 24-volt nickel metal hydride (NiMH) battery that lets the rider travel as far as 50 km per charge. The controller monitors the cyclist's ride, constantly collecting input from an intelligent network of sensors located on the bicycle and boosting power as necessary.

A multifunctional LCD display screen with touch controls lets the rider choose from two different drive programs — cruising and climbing mode — and provides real-time info on speed, distance and battery life.

TranzX PST comes with a battery charger that plugs into any standard electrical outlet for about five hours for a full charge. A built-in sensor monitors battery temperature and automatically shuts the system down to avoid overheating. The integrated charge controller prevents overcharging and optimizes battery pack performance.

TranzX PST: Adaptability meets OEM market demands

TranzX PST provides a multitude of benefits to vendors, letting them accelerate their own manufacture of electric bicycles to meet the growing demand for e-bikes.

Manufacturers can easily customize OEM-ready TranzX PST into their frames, specs and solutions, letting them aggregate and present the latest-technology, pedal-activated bike at a very affordable price. The motor can be mounted on the front or rear wheel, is suitable for derailleur and hub gear systems, adapts to any type of braking system and can be used with different types of chain cases.

TranzX PST lets manufacturers increase revenue by reaching more users, optimizing their solutions to their cyclists' experience requirements and increasing reach into their customer base.

JD Corporation is committed to working closely with OEM partners to develop and deliver superior products designed specifically for the OEM channel.

Spirit: A peak-performance e-bike powered by TranzX PST

At the 2007 Taipei International Cycle Show, JD Corporation also introduced the Spirit e-bike, a high-quality, reasonably priced electric bicycle. The Taiwanese manufacturer applied its experience as a developer of quality



bicycle frames and components to develop a high-end aluminum electric bicycle that delivers natural riding characteristics and is easy to operate.

Spirit is powered by TranzX PST and uses only quality components such as forged alloy Tektro V-brakes, Shimano 7-speed shifter, Shimano rear derailleur and a TranzX JF1 suspension fork. An adjustable TranzX handle bar stem assures a comfortable, minimal-strain riding position, and a non-pressure seat is mounted on a suspension seat post. A JD-developed patented integrated rear rack battery carrier with quick release and lock system allows the rider to easily remove the battery for separate charging or to lighten the bike for conventional riding.

Availability

TranzX PST is expected to be available in Europe starting this summer. Initial markets include the Netherlands, Germany, Denmark and Belgium. Sales are projected to be highest in the Netherlands, where the bicycle vies with the car for space in major cities such as Amsterdam and Rotterdam.

Environmentally responsible technology

At JD Corporation, meeting humanity's needs without harming future generations has always been a principal objective. With a clear demand for TranzX PST innovative technology, JD is focused on creating high-quality, environmental-friendly electric mobility that's exhilarating and functional.

A market maturing rapidly

Modern electric bicycles have been marketed since the mid to late 1990s, but many of the early models were unreliable and often plagued by poor performance such as weak motors that sometimes gave out on hills.

Despite these early shortcomings, electric two-wheelers have continued to gain acceptance, especially in Europe and Asia, where increasing traffic congestion and environmental concerns are at the top of the agenda. Europe and Japan revised bicycle regulations in recent years, making the pedal-activated bicycle exempt from motor vehicle regulations and fashioning a new breed of bicycle.

The lure of an economical ride also ranks high since electric bikes cost considerably less than a car and do not rely on costly gas.

An electric bike functions just like a normal bicycle, and includes pedals, gears and all of the other working parts that one expects to find on a bike. What makes the e-bike different is the inclusion of two extra parts: a battery pack and motor.

By developing the next-generation, pedal-activated drive system, JD Corporation offers leadership in a market projected to ride way ahead in the near future.



About JD Corporation

JD Corporation ignited the 20th century's last great fad when it created the Razor and JD Bug kick scooters. Today, JD continues to develop and manufacture innovative and environmentally responsible mobility products. It develops technologies and products to continually advance how people move and live.

The company started in 1986 in Chang Hua, Taiwan, as a manufacturer of high-end aluminum bicycle frames and specialty components, which it continues to produce and market globally under TranzX, a respectable global brand for quality bicycle components.

Continuing to evolve its manufacturing business, JD modified its focus in the 1990s. It pushed to develop and manufacture original and environmentally responsible transportation products. Now JD Corporation is a world leader in mobility innovation, with an outstanding collection of quality brands across different product categories. These brands include: JD Bug, CityBug, JD Razor and TranzX. All of the products produced by JD Corporation have the quality and reputation for high standards that JD has established in more than two decades.

The company also manufactures mobility products for many of the world's leading brands. Its clients are based on every continent and include businesses from leading global conglomerates, plus private and nationalized organizations. JD holds over 150 patents (including patents pending) and a strong list of industry firsts.

JD Corporation owns and operates three manufacturing facilities in Chang Hua, Taiwan, and two in China, in Shenzhen and Dongguan.

Torque Measuring Method (TMM4) technology is patented by IDbike CV under International Patent No. WO 2006/091089 and fully licensed by JD Corporation.

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