

## **Last Year's Advanced Concept e-Bike Now in Production**

*– GRACE MX Offers the First Production Gates™ Belt-Drive e-Bike Featuring NuVinci® drivetrain and Bosch Motor –*

TAIPEI CYCLE, Taiwan – March 7, 2012 – At last year's Taipei Cycle show, the concept e-Bike equipped with Gates™ Carbon Drive (Gates), Fallbrook Technologies Inc.'s (Fallbrook) seamless shifting NuVinci N360™ drivetrain and Bosch e-Bike system was an absolute eye-catcher. At this year's show, the concept has become reality and the production bike is on display in Fallbrook's Booth M1201 Upper Hall as the GRACE MX city and mountain e-Bike. GRACE, which also manufactures Smart E-Bikes, announced that the new GRACE MX bike follows the GRACE company philosophy of full product integration. Manufacture of the bike is at GRACE's production site in Berlin.

### **Technical sophistication welcomed – Nicolai handwriting leaves its mark**

Karl-Heinz Nicolai developed the prototypes and even at first glance, the similarities in GRACE's interpretation are clear: Using a tube divided into three parts, the GRACE MX battery is inserted from below which creates the optimum combination of frame and drive. Because the battery is installed from below, it's well protected against moisture, dirt and debris. Also, the electric motor is fully integrated into the frame and rotated 45 degrees. This design creates a shorter wheelbase with more ground clearance. The lowered top tube forms a sporty-looking, all-terrain geometry and the highly rigid frame is reinforced with gussets. All cables and wiring are fully integrated inside the frame.



**Soul-mates: Nicolai Concept Bike of 2011 (left) and the brand new GRACE MX (right), available from April 2012 on. The starting price is € 3.299,00**

## **Gates, NuVinci and Bosch: An e-Bike full of synergy and performance**

The GRACE MX raises the bar to new levels. In addition to the innovative frame design, the technical components are equally impressive. In particular, the unique combination of Gates™ Carbon Drive (belt drive), NuVinci seamless-shifting, continuously variable N360 drivetrain and powerful Bosch motor – all "state of the art" components among the latest bike technology – helps the MX offer an unprecedented rider experience, whether navigating the city or the trail!



**Gates™ CarbonDrive**

The Gates Carbon Drive belt drive is a quantum leap forward in belt drive technologies. Compared to conventional bicycle chains, it has 20 percent more tensile strength, a slimmer profile and much improved functionality in dirt and mud. "The Gates Carbon Drive is rugged, durable and low maintenance, and therefore, was our first choice for the MX," said GRACE Product Manager Benjamin Boerries.



**NuVinci N360 gear hub**

Low maintenance, more comfort and high durability are all attributes of the NuVinci N360 hub. The drive ratio can easily be adjusted by rotating the shifter to help the GRACE generate the unique NuVinci seamless shifting experience. "The N360 works perfectly together with the Gates Carbon Drive and ensures a worry-free riding experience," Boerries commented. Jack Brandsen, NuVinci European sales manager, was equally delighted: "GRACE is a design-oriented manufacturer that gives preference to using the highest quality components. By adding the N360 to their line, it's amazing to see how GRACE has created a premium product that can be manufactured efficiently from the Nicolai concept bike."

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**Bosch eBike System**

At the heart of the drivetrain is the integrated Bosch mid-motor, located to provide even weight distribution and ideally suited for difficult terrain. It is very powerful, easily and quickly achieving acceleration of the e-bike up to 45 km/h (33 mph) depending on the version. In urban areas, the GRACE MX is also very enjoyable to ride. The upright seating position enhances riding comfort. With four different driving modes – eco, tour, sport and speed – the rider has ultimate control of battery range and motor response.

The unique frame design includes proprietary horizontally arranged dropouts, which enable the drive system to be easily tightened when needed. High quality components include Rockshox forks, Avid brakes and Ride rims.

While the GRACE MX is designed as an e-mountain bike, it also provides a very comfortable riding experience in urban areas and a Busch and Muller lighting system and other accessories are available to further enhance urban riding. The GRACE MX will be available in April 2012 as an e-bike and a fast e-bike in two sizes (M-46 cm and L- 51 cm) in matt black color. Suggested retail price: from € 3.299

**GRACE Media Contact:**

Nikolaus Karlinsky  
[karlinsky@grace.de](mailto:karlinsky@grace.de)  
Tel.: + 49 30 / 2325 793 26  
Fax: + 49 30 / 4030 1018

**NuVinci Media Contact:**

**Media Contact Europe**

[www.inmotionmar.com](http://www.inmotionmar.com)

Jens Weller  
[jens.weller@inmotionmar.com](mailto:jens.weller@inmotionmar.com)  
Tel: +49 711 351 640 93

**Media Contact International**

Kim Merrill  
[kmerrill@fallbrooktech.com](mailto:kmerrill@fallbrooktech.com)  
Tel: +1 619-857-2782

**Sales and Technical Contact Europe**

Jack Brandsen  
[jbrandsen@fallbrooktech.com](mailto:jbrandsen@fallbrooktech.com)  
Tel: +31 20 640 86000

**About GRACE Company**

*GRACE was developed by Michael Hecken over the span of the past two years. Together with Karl-Heinz Nicolai of NICOLAI, they collaborated on the mechanical engineering phase of the design process. GRACE frames are handcrafted at NICOLAI, where many of the CNC machined components are also produced. The powder coating of the frame takes place at a special factory location in Lubbrechsten near Hannover, Germany. All of the assembly and shipping takes place in Berlin Mitle. Marketing, sales and press takes place in Biesenthal in our company building.*

For more information, visit: [www.grace.de](http://www.grace.de)

**About Fallbrook**

*Fallbrook's NuVinci® continuously variable planetary (CVP) technology improves the performance and efficiency of machines that use a transmission, including bicycles, electric vehicles, automobiles, agricultural equipment, wind turbines and others. The NuVinci technology offers companies the flexibility to design and produce next-generation products that are better tailored to their unique business, market and competitive requirements. Fallbrook has built an extensive portfolio of over 400 patents and patent applications worldwide. The company intends to continue its research and development activities to enhance the performance and capabilities of NuVinci technology. For more information, visit: [www.fallbrooktech.com](http://www.fallbrooktech.com)*

**About Gates Carbon Drive**

*Carbon Drive™ is the brainchild of Gates Corporation; an engineered products company with a legacy of creating long-lasting, superior-performing power transmission products. From driving 1500 HP at 9000 RPM Horsepower blower engines to working with industry leaders such as BMW, Harley-Davidson, and Ducati, Gates has been offering its drive-train expertise to the automotive, industrial, and engine powered world since 1911. Gates is now proud to bring its unparalleled standards, unwavering product support, and proven product development capacity to the bicycle market.*

*For more information, visit: [www.gatescarbondrive.com](http://www.gatescarbondrive.com)*

**About Bosch Group**

*The Bosch Group is a leading global supplier of technology and services with 283,500 associates and sales of 47.3 billion euros in the automotive and industrial technology, consumer goods, and building technology sectors in fiscal 2010. The Bosch Group comprises of Robert Bosch GmbH and its more than 300 subsidiaries and regional companies in over 60 countries. Additional information can be accessed at [www.bosch-ebike.de](http://www.bosch-ebike.de), [www.bosch.com](http://www.bosch.com), and [www.bosch-press.com](http://www.bosch-press.com).*