

## **Fallbrook Technologies Inc. Announces Award-Winning NuVinci® N360™ Drivetrain Approved for Use with All Pedal-Assisted Bicycles with 250W (Rated) Motors**

(SAN DIEGO — September 21, 2010) – Fallbrook Technologies Inc. (Fallbrook) today announced that the company's NuVinci® N360™ drivetrain has been approved for use with all pedal-assist bicycles with 250W (rated) electric motors, including those with mid-mounted motors. The *N360* drivetrain is the next generation of Fallbrook's award-winning continuously variable planetary (CVP) transmission for bicycles.

"Fallbrook Technologies Inc. understands the natural match of its continuously variable planetary (CVP) drivetrain with electric motors, and has formally approved the use of the *NuVinci N360 CVP* with 250W (rated) motors," said Chris Vasiliotis, Product Manager. "Studies indicate that riders with conventional geared drivetrains tend not to shift as much as they should — either intimidated by shifting or not shifting into the proper ratio. With the *NuVinci N360*, shifting is easy even under high torque pedal-assist conditions, and there are no ratio gaps, missed shifts, or shift noise, so riders feel comfortable shifting at any time — with no penalties. The simple, seamless *NuVinci* experience can naturally result in extended battery life, reduced motor wear and, ultimately, increased range."

With an infinite number of ratios available within its nominal 360% ratio range, the third-generation *N360* drivetrain provides a ride and shifting experience unlike any other. The *NuVinci N360 CVP* enables cyclists to easily maintain an optimum cadence regardless of terrain, and makes shifting as easy as adjusting the volume on a radio. The system includes a durable, permanently sealed hub that is maintenance free and requires no adjustments or regular servicing. Bicycles with the electric motor at the bottom bracket location are the ideal match with *NuVinci* technology, as both the electric motor and the rider benefit from the advantages of the *N360* drivetrain with seamless shifting across a wide 360% ratio range.

The minimum sprocket ratio (*front chain ring tooth count/rear sprocket tooth count*) is 2.1:1 for pedal-assist bicycles with combined power from the 250W (rated) motor and rider. For bicycles with only rider power transferred through the *NuVinci N360 CVP* (non eBikes and front hub motor eBikes), the minimum sprocket ratio is 1.8:1.

**About Fallbrook Technologies Inc.**

Fallbrook Technologies Inc. is a technology and manufacturing company dedicated to improving the performance and flexibility of transmissions for vehicles and equipment. Fallbrook's NuVinci® continuously variable planetary (CVP) technology is applicable to machines that use a transmission such as bicycles, light electric vehicles, automobiles, agricultural equipment, and wind turbines, among others. The *NuVinci* CVP uses a set of rotating and tilting balls positioned between the input and output components of a transmission. Tilting the balls changes their contact diameters and varies the speed ratio. The *NuVinci* platform 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 375 patents and patent applications worldwide. For more information, visit [www.fallbrooktech.com](http://www.fallbrooktech.com).