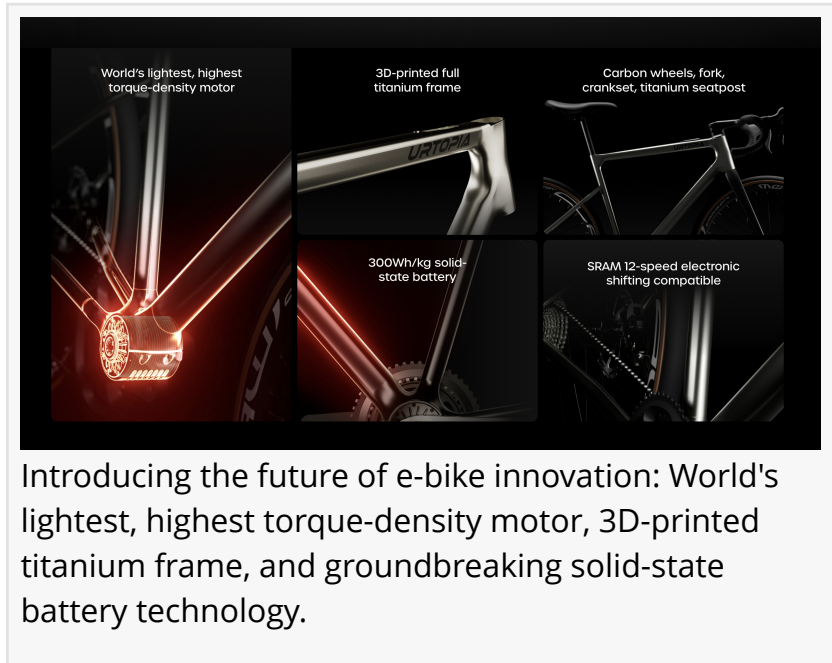


Urtopia unveils new AI-driven e-Bikes and self-developed motor at CES 2025

Urtopia advances e-bike technology by integrating AI and innovative engineering at CES 2025

LAS VEGAS, NV, UNITED STATES, January 7, 2025 /EINPresswire.com/ --

Urtopia, a leading innovator in the electric bike industry, will debut its Titanium Zero concept e-bike at CES 2025. Featuring the self-developed Quark DM 1.2 motor that weighs just 1.2 kg with a high torque density of up to 60 Nm, and a lightweight titanium alloy frame of only 10 kg, [Urtopia Titanium Zero](#) integrates a solid-state battery to take the e-bike's power and range to a whole new level. In addition to engineering innovations, Urtopia's localized AI model, [Urtopia GPTs](#), trained by ChatGPT's large-scale capabilities, provide smarter and more intuitive interactions to enhance the riding experience, showcasing the brand's achievements in e-bike technology innovation.



Titanium Zero: A Showcase of Future E-Bike Technology

Key innovations include:

- **Quark DM1.2 Motor:** "It is the smallest, lightest, and highest torque-density motor, weighing less than 1.2kg, with a max torque of 60 Nm." Urtopia CEO Dr. Owen said. It features Urtopia's self-developed high-precision torque sensors and high-dynamic-response magnetic encoders, ensuring rapid responsiveness and seamless performance.
- **3D-Printed Titanium Frame:** Made entirely of titanium alloy, offering unparalleled strength, durability, and lightweight properties.
- **Solid-State Battery:** Boasting an energy density of up to 300 Wh/kg, it delivers impressive power-to-weight performance.
- **Traditional Compatibility:** Fully compatible with standard bike components like SRAM 12-speed electronic shifting.
- **Premium Materials:** Equipped with carbon wheels, fork, cranks, and a titanium alloy seat post,

keeping the bike's total weight at just 10 kg, including the motor and battery.

Titanium Zero Innovations Benefit Urtopia New E-Bike Lineup

The innovations pioneered in the Titanium Zero—from its ultra-lightweight motor to seamlessly integrated components—are shaping the future of Urtopia's e-bike lineup. With advanced features like Urtopia self-developed torque sensor and dynamic-response encoder technology, each ride delivers unmatched performance. "These advancements work harmoniously to create an experience that redefines excellence, pushing the boundaries of innovation with every pedal

Urtopia: The Carbon Fiber Expert

Urtopia's dedication to carbon fiber technology is unparalleled in the industry. Every frame is meticulously engineered, leveraging the unique properties of carbon fiber:

- **Lightweight Design:** Carbon fiber is up to 5 times lighter than steel and significantly lighter than aluminum, offering unmatched agility and ease of handling.
- **Strength and Durability:** Despite its low weight, carbon fiber frames provide extraordinary strength, capable of withstanding significant stress without deformation or fatigue.
- **Vibration Damping:** Carbon fiber absorbs road vibrations more effectively than metal frames, ensuring a smoother and more comfortable ride.
- **Aerodynamic Optimization:** Carbon fiber allows for intricate, flowing designs that improve aerodynamics and efficiency.
- **Corrosion Resistance:** Unlike metal frames, carbon fiber is resistant to rust and environmental wear, ensuring a long lifespan.

Event Details

- **Location:** [Las Vegas/Booth Number: #53852 Venetian Expo, Halls A-D Number]
- **Date:** [Jan 7~10, 2025]

About Urtopia

Urtopia is one of the leaders in e-bike innovation, specializing in lightweight materials and advanced technologies. Being a Carbon Fiber Expert is more than a commitment; it's the creed. Urtopia's expertise in carbon fiber goes beyond the material itself. The brand integrates advanced engineering, AI-driven designs, and sustainability into every model, ensuring a superior riding experience. Whether the Titanium Zero concept bike or future production models, Urtopia's relentless innovation redefines the e-bike landscape, delivering a perfect blend of performance, aesthetics, and functionality.

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