

Press Release

Presenting 'Ornus': The Revolutionary and Innovative Gravel Bike with a Timber Frame

The start-up MLK Innovazione srl, presents the new 'Ornus' branded Gravel bicycle, characterised by the use of wood as a construction material for the frame, introducing a new vision in construction technique that intends to transform the cycling sector and sustainable mobility in general.

Tradition, Craftsmanship, Research and Development

The creation of the timber frame is the result of years of research, development and passion. A unique combination of Italian ingenuity and design, craftsmanship and technological innovation. The wood, carefully selected for seasoning and fibre characteristics, is subjected to strict quality controls and processed through an innovative construction process that maximises durability and performance. Combined with patented proprietary technology and aircraft-derived construction techniques using numerical controlled machines, the Ornus bike frame fully complies with the highest standards of strength, durability and structural redundancy.

Exceptional Performance on Any Terrain

"Ornus" is designed to tackle any type of terrain, from city pavement to the most challenging gravel tracks.

The geometry of the frame, the orientation of the fibers and the layering of the same are designed to guarantee an immediate response and achieve excellent levels of torsional rigidity and lightness. The internal connectors, made of special aluminum alloys for aeronautical applications, make the structural nodes safe and stable to deal the most challenging gravel tracks, rough roads and mixed terrain safely and in full control.

Wood already offers a natural ability to absorb vibrations, having a high internal damping factor. The frame architecture is designed to improve these characteristics, bringing riding pleasure to the highest level even on long rides, especially on bumpy or uneven trails.

Customised Design and Environmental Sustainability

Each 'Ornus' bike is a unique work of art. Thanks to the characteristics of wood, each model can, upon request, be customised for the individual cyclist's needs. Furthermore, we are committed to supporting the environment by using a renewable low impact material through replanting and the use of sustainable production processes.

Authentic Gravel Cycling Experience

"Ornus" is not just a bike for exploring new horizons but, with its versatility and unique characteristics, offers an authentic experience pushing the boundaries of adventure and exploration in gravel cycling.

Company Information

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