RYO COMPONENTS

RYO

Product

Bicycle Parts

Technology readiness

Development

Proof of concept

▶ Prototype

First implementation

Extensive implementation

Bicycle components with unique features and designs

The company focuses on the development and manufacture of chainrings for BMX racing bikes. The chainrings feature unique functional elements that improve drivetrain performance and make installation and use easier. They also feature an original organic design that enhances mechanical properties. This design is the result of incorporating advanced generative design and topological optimization techniques, combined with shaping using NURBS spline curves with fully smooth transitions.

Unique Selling Points:

- Different tooth profiles
- Machined from a solid block of material
- Integrated stainless steel inserts
- Optimizing Stiffness and Weight

1/2025 B2B B2C