HYBRID CNC PARTS

MULTISCALE GROUP

CORROSION RESISTANCE

WITH WIRE-LASER HYBRID MANUFACTURING

The Cost of Corrosion

The silent underminer of performance, corrosion drives up costs, shortens component lifespan, and reduces product quality—especially in harsh environments.

Standard manufacturing methods lack the accuracy and technique to combat corrosion in an efficient way, leading to unnecessary waste, increased expense, and substandard protection.

The Hybrid Solution

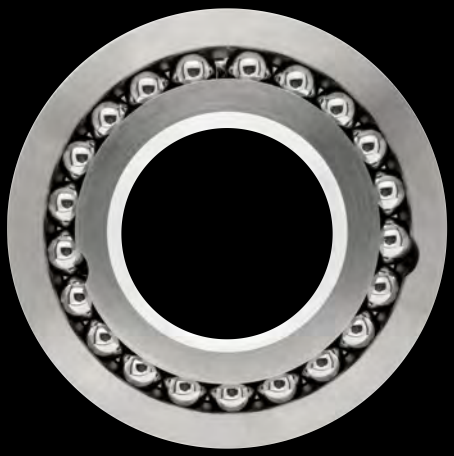
Wire-laser hybrid manufacturing addresses these challenges by delivering precise corrosion-resistant solutions. Entire components, selected parts, and cladding are all possible, as is functional grading with high-performance materials.

This advanced manufacturing method blends near-net shape metal 3D printing and subtractive machining to deliver targeted corrosion resistance that is better equipped to handle extreme conditions and demanding applications.

- **Precise Material Placement**
  Additive wire-laser printing can apply corrosion-resistant alloys only where needed, reducing waste and excess material usage.
- **Reduced Post-Processing**
  Near-net shape capabilities minimize machining steps, lowering production time and overall costs.
- **Design Flexibility**
  Hybrid processes enable complex geometries and custom designs, ensuring optimal performance for specialty applications.

Enhance Your Corrosion Resistance

Discover how wire-laser hybrid manufacturing can improve corrosion resistance, boost performance, and reduce costs. Contact us to learn more.



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