



Advanced Thermoplastic Composites for All Markets

Re:Build Oribi Composites designs and produces advanced thermoplastic composites with high-speed, automated manufacturing technologies, enabling widespread adoption of composite materials for high-volume production applications. Originally limited to niche applications in the aerospace industry, thermoplastic composites offer significant potential to reduce weight, improve performance, and reduce cost. Historically, this class of materials lacked an affordable conversion technology to turn them into finished parts. Re:Build Oribi delivers on the potential of thermoplastic composites and offers customers the ability to incorporate highly engineered composites into nearly any application.

INDUSTRIES SERVED:

- Aerospace & Defense
- Cleantech
- Health
- Lifestyle
- Mobility

LOCATIONS:

📍 5850 E 56th Avenue
Commerce City, CO 80022

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Core Competencies:

- Structural Component Design and Engineering
- Material Selection and Qualification
- Composite Material Forming and Draping Analysis
- Tooling Design, Engineering, and Production
- Thermoplastic Composite Tape Slitting
- Tailored Blank Design, Engineering, and Production
- High-Rate Thermoplastic Composite Thermoforming
- Thermoplastic Composite Compression Molding
- Thermoplastic Composite Recycling
- Composite Machining and Finishing

Key Differentiators:

Re:Build Oribi has a unique capability to convert reinforced thermoplastic composites affordably for high-volume production. We combine practical, high-speed automation with knowledge of materials science to unlock the full potential of continuous fiber-reinforced composites. We utilize advanced simulation and software tools to minimize the cost and time required to develop advanced composite components. We leverage diverse engineering capabilities with experience in a wide range of industries, from aerospace and defense to sporting goods and consumer products.

Highlighted Customers:

- GE
- CCM
- Gentex
- Safran

CERTIFICATIONS:

- Berry Compliant
- ISO9001:2015

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