



ENGINEERING SEALING SOLUTIONS

FOR AEROSPACE
PERFORMANCE

High-Performance
Polymer & Composite
Components for Critical
Flight Systems



High-performance sealing technologies designed to enhance reliability, extend service intervals, and perform in the most demanding environments.

WHAT WE OFFER

PRECISION-ENGINEERED SEALING SOLUTIONS FOR AEROSPACE SYSTEMS

CDI Products delivers advanced sealing solutions engineered to meet the stringent demands of aerospace and defense applications. Our product portfolio is built on decades of expertise in polymer science, precision manufacturing, and application engineering—enabling reliable performance in mission-critical systems.

DYNAMIC SEALING SOLUTIONS

- Piston seals, rod seals, and custom dynamic sealing systems
- Designed for high-speed, high-pressure aerospace environments

STATIC SEALING SOLUTIONS

- O-rings, custom profiles, bonded seals
- Engineered for leak-free performance across extreme temperature ranges

WEAR COMPONENTS

- Wear rings, bushings, and backup elements
- Reduce friction, prevent system damage, extend component life

ELASTOMER & THERMOPLASTIC COMPONENTS

- Precision-molded and machined parts
- Tight tolerances for aerospace-grade applications



Testimonial: "Every CDI innovation is engineered into a product designed to perform in flight."



WHERE WE DELIVER

DESIGNED FOR CRITICAL AEROSPACE APPLICATIONS

- ◆ **Aircraft Engine Systems**
 - High-temperature sealing for fuel and air systems
 - Resistance to aggressive fuels and lubricants
- ◆ **Hydraulic & Actuation Systems**
 - Reliable sealing under extreme pressure cycles
 - Reduced leakage and improved system efficiency
- ◆ **Fuel Systems**
 - Chemical compatibility and long-term durability
 - Enhanced safety and performance
- ◆ **Landing Gear & Structural Systems**
 - Impact-resistant, wear-resistant components
 - Extended maintenance intervals



PERFORMANCE OUTCOMES

If your sealing solution is limiting performance, reliability, or lifecycle— it's time to rethink what's possible.

- ◆ **Increased Time on Wing** - Advanced materials and precision design reduce wear and extend service intervals
- ◆ **Improved System Reliability**- Consistent sealing performance under extreme operating conditions
- ◆ **Reduced Maintenance & Downtime** - Engineered components minimize failure points and replacement frequency
- ◆ **Lightweight & High Efficiency** - Optimized materials support weight reduction and fuel efficiency goals



YOUR TRUSTED PARTNER IN AEROSPACE SEALING INNOVATION

- **Advanced Material Expertise:** High-performance polymers and composites engineered for extreme aerospace environments
- **Integrated Engineering Approach:** From design to validation, we collaborate closely with OEMs and Tier suppliers
- **Precision Manufacturing:** State-of-the-art molding and machining capabilities with tight tolerance control
- **Rapid Development & Prototyping:** Accelerated timelines to support urgent aerospace programs and AOG situations
- **Quality & Compliance Excellence:** Rigorous testing and quality systems aligned with aerospace industry standards



Testimonial: "The difference between meeting spec and outperforming in service is where CDI operates."



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