



Creating Innovative Solutions for Fixed Wing Aircraft

Expanding on our strong history of vibration and motion control products, we offer a wide array of innovative solutions for the aerospace industry.

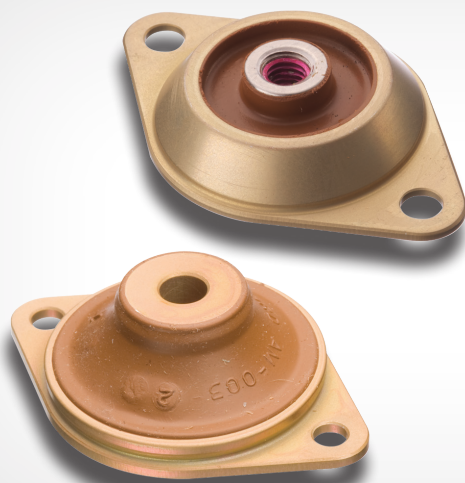
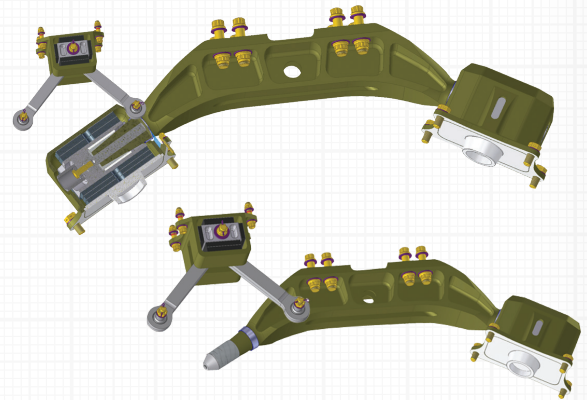


UltraConductive Materials for Lightning Strike Protection Replaces Metal Mesh in Composite Structures

- Provides up to 60% weight savings while providing equivalent lightning protection
- Provides EMI shielding on composite structures in sensitive areas of the aircraft
- Reduces overall cost of manufacturing through reduced labor and bill of materials
- Results in a naturally smooth finish and eliminates risk of under-ply corrosion
- Available in both film and spray forms for flexibility with OEM and repair solutions

Tangential Yoke Design Offers Significant Benefits

- Reduces engine removal/install to minutes instead of hours
- Lower weight than traditional clevis designs
- Fully interlocked system eliminates the need for redundant hardware
- Enables mount flexibility – the same yoke can be used with multiple mount configurations



Interior Isolator Technologies Offer Significant Benefits

- New lightweight and durable plastic composite designs replace legacy isolators
- Unique attachment designs enable faster installations, can eliminate hardware and reduce tooling needs
- Common-core designs reduce cost/complexity in larger installations
- New isolator materials prevent galvanic corrosion in composite aircraft

We manage the unique challenges of noise, vibration and weight in flight-critical components and systems.

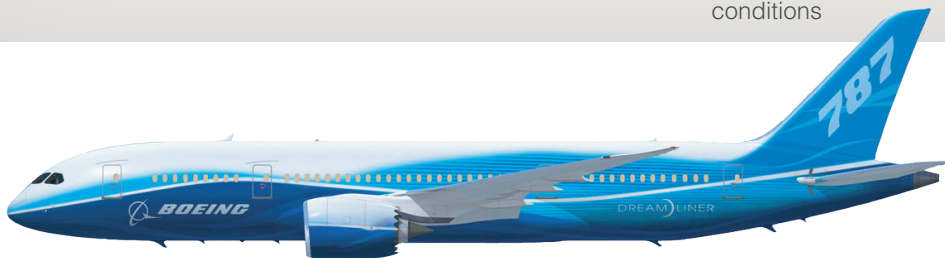
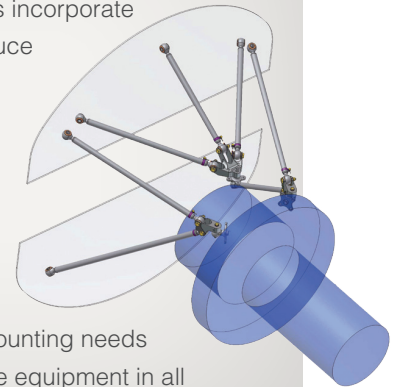


LORD Active Technologies Reduce Maintenance Costs

- In-flight Propeller Balancing Systems (IPBS) balance props and rotating shafts in real-time
- Active Vibration Control Systems (AVCS) adaptively counteract vibration through linear and omni-directional actuators
- Magneto-Rheological (MR) Dampers provide optimal damping depending on vibration inputs; MR By-Wire Systems provide resistive force feedback to operators

LORD Isolating Technologies Reduce Installation Complexity

- Innovative APU mounting systems incorporate elastomerics into rod-ends to reduce weight, volume and complexity
- Customized compliant strut assemblies and components ease equipment installation and maintenance, and reduce labor
- Standard and custom isolators accommodate a wide range of mounting needs
Avionics isolators protect sensitive equipment in all conditions



LORD Can Be Your Development Partner for Managing Noise in Stiffer Composite Airframes

- LORD engine attach solutions minimize the noise and vibration transmitted from the engines
- Interior isolators ensure that passengers experience the quietest ride possible
- LORD isolators used for attaching major equipment minimize vibration to and from the fuselage
- Isolators with plastic composite housings avoid galvanic corrosion issues

Improve Passenger Comfort with LORD Interior Isolator Solutions

- Tailored by our design staff to optimize noise reduction throughout the cabin
- Use custom elastomer formulations for cold temperature linearity and to meet FST requirements
- Provide all-attitude performance – the isolating element performs the same in all directions
- Offer fail-safe designs to meet the new interior crash safety requirements

Collaborate with LORD: A Trusted Supplier for the Aerospace & Defense Industry

Our Engineers Can Save You Time and Money While Helping You Achieve Your Project Goals

- Decades of design expertise, covering dozens of aircraft, enable LORD to quickly design the optimal solution for your program
- Our expertise goes beyond elastomerics – our greatest value to you comes when we can help design a complete system, including structures and attachments
- A full complement of engineering tools, including a fully-accredited dynamic test lab, plus all major design and analysis software packages ensure compatibility with our customers



A Long History of Supporting Aerospace and Defense Companies with Innovative Solutions

- Founded in 1924 with a focus on vibration control for the transportation industries; began isolating aircraft engines and avionics in the 1930s
- Aerospace applications include: Dynafocal engine mounts, Chemlok adhesives, HCL helicopter bearings and active balancing and vibration systems
- Our markets served include fixed wing aircraft, helicopters, submarines, space vehicles, strategic and tactical missiles and military ground vehicles
- We have been providing MRO services for aircraft operators through our own FAA/JAA Repair Station (No. GV1R180K) certified and operating since 1978

"Ask Us How" is a trademark of LORD Corporation or one of its subsidiaries.

LORD provides valuable expertise in adhesives and coatings, vibration and motion control, and magnetically responsive technologies. Our people work in collaboration with our customers to help them increase the value of their products. Innovative and responsive in an ever-changing marketplace, we are focused on providing solutions for our customers worldwide ... Ask Us How.

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