

## BESPOKE SEALING & MATERIAL SOLUTIONS IN AVIATION APPLICATIONS



**Turbofan Engine Gearbox Omniseal® Seals**

- High Temperature Resistance, Low Leakage
- Long Lifetime
- Jet Oil Compatibility

**Turbofan Engine Compressor Hycomp™ Wear Bearing Pads**

- High Temperature Resistance
- Long Lifetime
- Low Wear

**Turbine Omniseal® Metal Seals**

- Hot Airflow Restriction
- Large joint movement
- Long Lifetime

**Hydraulics Systems Omniseal® Metal Boss Seals**

- Designed to function with standard AS5202 ports
- Low Leakage

**Rotor Head Damper Omniseal® Spring-Energized Seals**

- Low Leakage
- Pressure up to 140 bars (2000 Psi).

**Turboshaft Omniseal® Rotary Lip Seals**

- Low Leakage
- Long Lifetime
- Jet Oil Compatibility

**Main Rotor Swashplate Omniseal® Lip Seals**

- Designed to restrain bearing cage from dirt, dust, and bearing particles.
- Able to run dry at variable speeds

**Inlet Guide Vane Meldin® Polyimides**

- High vibration resistance & mechanical resistance
- High durability versus cycling. Reduced weight versus metal
- Temperature resistance

## BESPOKE SEALING & MATERIAL SOLUTIONS IN HYDROGEN APPLICATIONS



**Hydrogen Tanks Omniseal® Spring-Energized & Metal Seals**

- No permeation or diffusion, even under cryogenic temperatures and high pressures

**Hydrogen Fuel Cells Omniseal® Polymer, RACO® Seals & Metal Seals**

- Chemical compatibility, extended lifetime pressures

**Compressors Omniseal® Polymer & Metal Seals, Meldin® Polyimide Bushings**

- Limit friction to prevent leakage

**Hydrogen Pumps Omniseal® Polymer & Metal Seals**

- Limit friction and wear in extreme conditions (LH2, high-pressure, high-speed dynamic motion) to optimize lifetime

**Conventional and E-Motor Omniseal® Polymer & Metal Seals, Meldin® Polyimides & Hycomp™ Composites**

- Electrical insulation, high-speed solutions, extreme temperature and chemical compatibility improving overall efficiency and lifetime

**Hydrogen Valves Omniseal® Spring-Energized Seals, Meldin® Polyimide Bushings**

- Reduced friction, low permeation and RGD to prevent leakage

**Feedlines and Pipes Omniseal® Spring-Energized & Metal Seals, RACO® Seals & Hycomp™ Composite Clamps**

- Low permeation to prevent leakage, low temperature capabilities, Suitability for use in high-pressure environments