

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 Seal

- 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

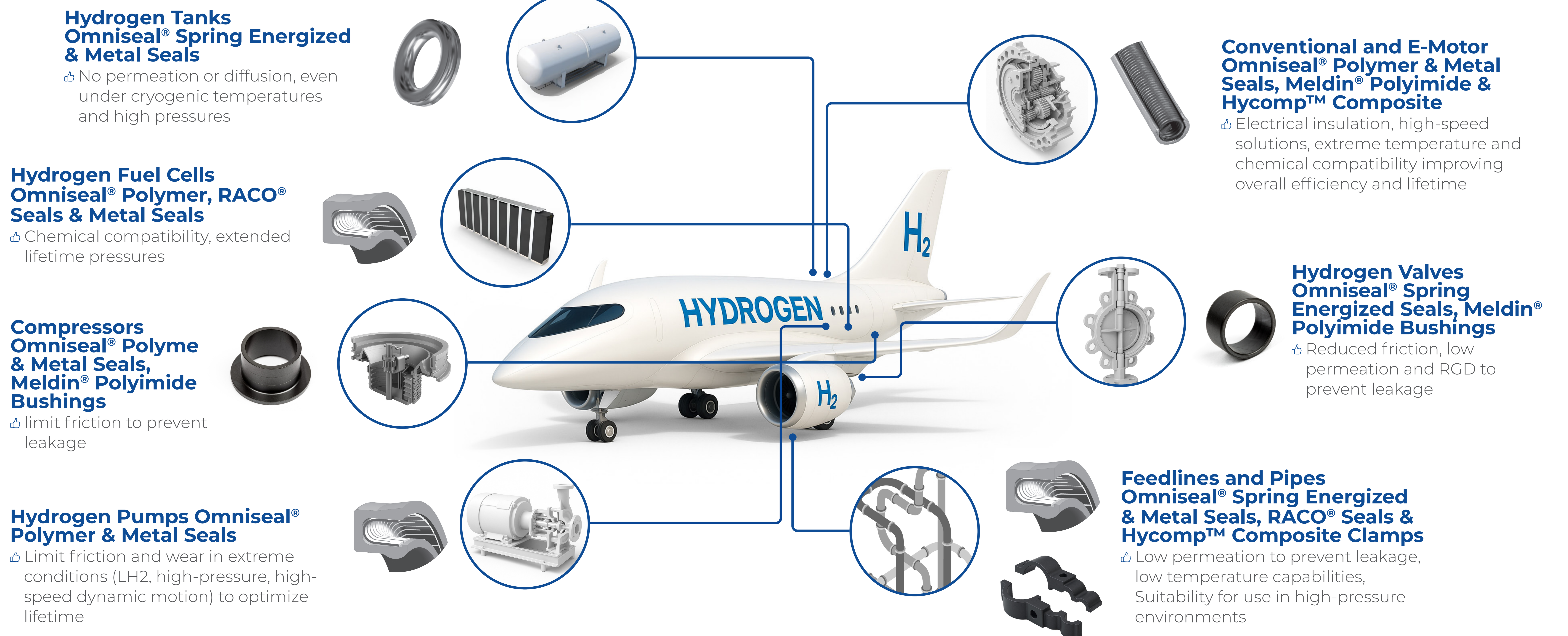
Main Rotor Swashplate Omniseal® Lip Seals

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

Inlet Guide Vane Meldin® Polymides

- 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® Polyme & 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® Polyimide & Hycomp™ Composite

- 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