



HERMETIC SEAL TECHNOLOGY
G L A S S T O M E T A L S E A L S

Hermetic Seal Technology, Inc.

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Sensor Feedthroughs

As a leader in the manufacture of custom hermetic glass-to-metal seals, we can manufacture hermetic connectors that support federal and military requirements. We can manufacture mil-spec hermetic connectors that adhere to performance and design requirements of various specification and can customize them to meet your requirements.



Specifications

Glass Materials

Glass for our hermetic connectors is determined by the requirements of the customers specifications. All standard glasses can be utilized.

Shell Materials

Plated Mild Steel
Stainless Steel
And Others

Contact Materials

52 Alloy
Inconel
Stainless Steel
Other Materials Available on Request

Shell Styles	Jam Nut Square Weld or Solder
Shell Shapes	Circular Rectangular
Shell Size (Diameter)	0.25” to 3.0”
Contact Types	Flat and Pierce Pins (Eyelet) PCB Pins Solder Cup Pins Straight Pins
Contact Size	16 AWG to 4 AWG Custom Pin Sizing
Coupling Types	Bayonet Custom Coupling Connection Push or Pull Quick Connect Threaded
Capabilities	Brazing Glass Formulation Glass Sealing Resistance Welding
Testing	Hermeticity Testing (100 % leak tests are performed on all seals) Hypot (High Voltage) Testing / Breakdown Voltage Insulation Resistance Testing (Isolation)
Outsourced Services	Electrochemical Corrosion Testing Glass Smelting Laser Welding Machining Plating Salt Spray Corrosion Testing Stamping
Hermeticity	1×10^{-8} cc/sec helium leak rate (100% Tested)

Plating Options

Copper Plating
Electroless Ni Plating
Electrolytic Ni Plating
Hard Gold Plating
Pure Gold Plating
Silver Plating
Tin Plating
And Many Others

Applications

Connector Systems for Renewable Energy Systems
Connectors for Hermetic Sensors &
Accelerometers
Military Communication Equipment
Power Circuit and Electrical Control Applications
in Rockets, Space Vehicles, and Missiles
Traffic Collision Avoidance Systems

Production Capability

We have the ability to handle orders from ten parts
to millions of parts
We can also do sample parts

Industries Served

Aerospace
Automotive
Electronic
Healthcare
Medical
Military
Oil Exploration
Sensor

Quality Control

ISO Compliant