







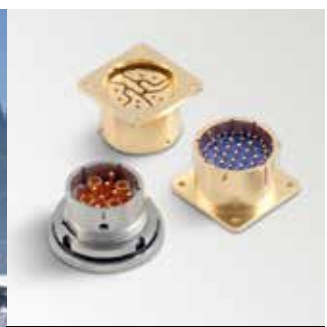

AMETEK®

ENGINEERED INTERCONNECT AND PACKAGING

ELECTRONIC INTERCONNECT AND PACKAGING SOLUTIONS

FOR DEMANDING APPLICATIONS

HSC HERMETIC SEAL™ / S SEALTRON™ / A AEGIS™ / SCP AMETEK SCP™ / GSP GLASSEAL PRODUCTS™



- AEROSPACE
- AUTOMOTIVE
- DEFENSE
- DEFENSE NAVY
- ELECTRONICS
- ENERGY
- MEDICAL DEVICES
- OIL AND GAS
- OPTICAL COMMUNICATIONS
- RF MICROWAVE
- SPACE AND SATELLITES

HERMETIC SEAL™

AMETEK
ENGINEERED INTERCONNECT AND PACKAGING





Hermetic Seal

Since 1945, Hermetic Seal has remained the premier designer and manufacturer of high reliability hermetically sealed, electrical interconnection devices. Our products are used in sensing and actuating systems by the aerospace and defense, oil and gas, and medical device industries around the world.

Products

Hermetic Seal engineers customized hermetic connector and feedthrough solutions to perform in extreme conditions.

Products include:

- Qualified military connectors
- High-pressure, high-temperature (HPHT) bulkhead connectors
- High temperature connectors
- Ruggedized connectors that combine glass seals with advanced PEEK (polyetheretherketone) molding technology

Industries

- Aerospace
- Defense
- Space
- Energy
- Medical Devices

Manufacturing Capabilities

- Complete electronic drawing support
- Custom design help to meet performance goals
- Total design control from fixtures to custom packaging
- Complete array of tool room capabilities
- CNC machining
- Furnaces and vacuum braze chambers
- In-house plating of nickel, gold, copper, and tin
- Environmentally controlled drying & bake out ovens
- Sealing in exothermic, Argon, Nitrogen and Hydrogen-Nitrogen blend atmospheres and in vacuum

Quality

Hermetic Seal operates a Quality Management System in compliance with the requirements of AS9100D with ISO 9001:2015.

HERMETIC SEAL

4232 Temple City Blvd, Rosemead, CA 91770, UNITED STATES

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www.hermeticseal.com

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SEALTRON™ / AMETEK® ENGINEERED INTERCONNECT AND PACKAGING





Sealtron

Sealtron is the world's most focused, responsive, and experienced circular hermetic connector manufacturer providing qualified commercial and MIL-STD connectors. Our products are made to the highest industry standards – making us your go-to partner when you need highly-qualified, high-volume hermetic seal connectors.

The Sealtron factory is Qualified Products Listed (QPL'd) on the most significant Mil-Spec glass-to-metal-sealed connector types in the aerospace industry.

Products

Sealtron is an expert in glass-to-metal-sealing and is dedicated exclusively to the manufacture of custom circular hermetically sealed connectors.

We are Qualified Products Listed (QPL) in the United States to MIL-DTL-26482 I & II, MIL-DTL-38999 I, II & III, MIL-DTL-83723 III and qualification in Europe to EN2997 Y and YE and ESC 10 YE.

Industries

- Aerospace
- Defense
- Industrial

Plating capabilities

- Electrolytic nickel, tin, tin/lead, copper and gold plating

Manufacturing Capabilities

- Glass-to-Metal-Sealing in exothermic, Nitrogen and other atmospheres
- Complete electronic drawing support
- Custom design for maximum performance
- Total design control from fixtures to packaging
- Complete array of tool room capabilities
- CNC machining, 4 belt furnaces
- Electrolytic nickel plating and gold plating
- Rubber molding of interfacial seals and gaskets

Quality

Sealtron operates a Quality Management System in compliance with the requirements of AS9100D with ISO 9001:2015.

SEALTRON

9705 Reading Road, Cincinnati, OH 45215, UNITED STATES

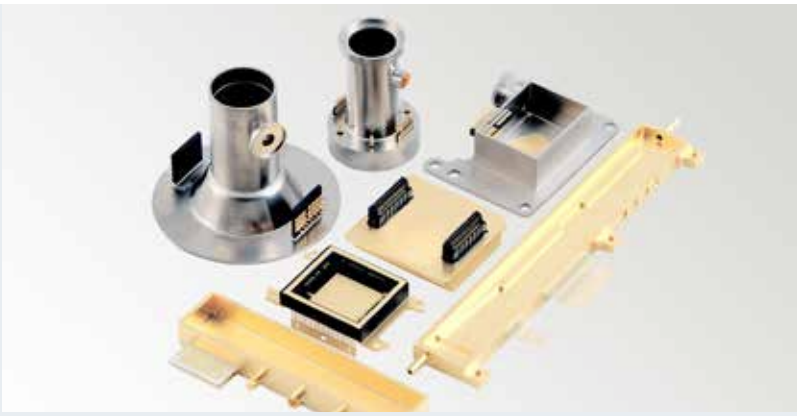
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www.sealtron.com

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AEGIS™ / AMETEK ENGINEERED INTERCONNECT AND PACKAGING





Aegis

AMETEK Aegis is the world leading designer and manufacturer of high reliability hermetic glass-to-metal seal hermetic packages for the microelectronics industry.

Products

Aegis manufactures industry standard and complex custom packages in both glass and ceramic configurations to exact specifications.

Products include:

- Machined Housings
- Metal Platform Plug-ins (PF)
- Metal Plug-ins
- Power Surface Mounts
- High Temperature Co-Fired Ceramic Packages (HTCCs)
- Electro-Optical Infrared "IR" Packages & Window Assemblies
- Dewar Cooler Assembly Headers & Feedthrus

Industries

- Commerical and Military Aerospace
- Defense
- High Performance Electronics
- Medical Devices
- Optical Communications
- RF Microwave

Manufacturing Capabilities

- EDM capability
- Complete array of tool-room capabilities
- Vari-wall package stamping capability
- CNC machining
- Separate gold assembly area (Clean Room)
- 22 belt furnaces
- Environmentally controlled drying
- Plasma cleaning, sinter and bake-out process
- Optical and touch CMM measurement systems
- Metallurgical lab for failure analysis

Quality

Our products meet and exceed the quality standards adopted by US and European Militaries, as well as the various industries that we serve. All facilities are ISO 9001 certified.

AEGIS

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AMETEK SCP™

AMETEK® ENGINEERED INTERCONNECT AND PACKAGING





AMETEK SCP

AMETEK SCP specializes in manufacturing underwater electrical and optical connectors, submarine hull penetrators and cable assemblies for military and commercial markets.

With over 20 years of meeting customers' specific requirements, we are fully experienced in both international and domestic defense programs and are committed to providing the highest quality interconnect systems.

Products

Our expertise drives faster product development, superior component design, and reliable performance.

Products include:

- Fiber Optice Feed Thru
- Glass-to-Metal Sealed Connectors
- Submarine Hull Penetrators
- High Performance Oil Filled
- Subsea Cable Assemblies
- Subsea Feedthrough Penetrators
- PBOF Cable Systems
- Towed Array Sonar

Industries

- Defense
- Defense Navy
- Oil and Gas

Manufacturing Capabilities

- Glass-to-Metal-Sealing in exothermic, Nitrogen and other atmospheres
- Complete electronic drawing support
- Custom design for maximum performance
- Total design control from fixtures to packaging
- Complete array of tool room capabilities
- CNC machining, 3 belt furnaces
- Electrolytic nickel plating and gold plating
- Rubber molding of interfacial seals and gaskets

Quality

All products manufactured per ISO 9001 Quality Programs. AMETEK SCP quality assurance program was developed to meet DOD requirements as expressed in MIL-I-45208A and MIL-Q-9858A.

AMETEK SCP

52 Airport Road, Westerly, RI 02891, UNITED STATES

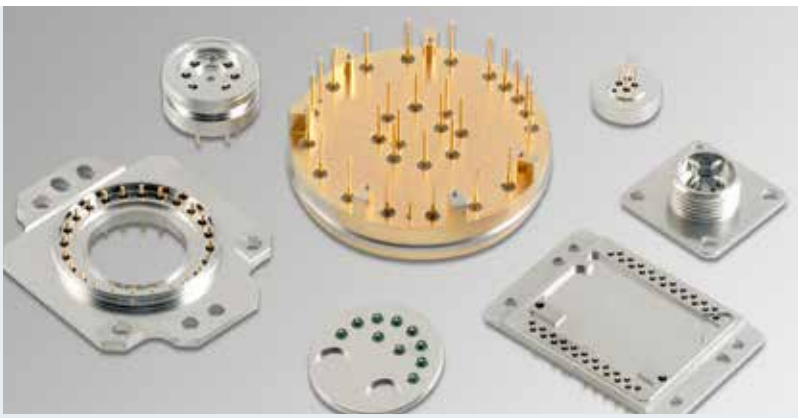
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GSP GLASSEAL PRODUCTS™ / AMETEK ENGINEERED INTERCONNECT AND PACKAGING





Glasseal Products

Sealing glass to metal for over 60 years, Glasseal Products, is one of the most versatile manufacturers of hermetically sealed interconnection and microelectronic packaging components.

At Glasseal, we have the technology, the resources and the partnerships in place to focus on doing what we do best: glass-to-metal and ceramic-to-metal sealing.

Products

Glasseal Products is the leading producer of high quality, low and high volume, glass-to-metal seals.

Products include:

- Battery Capacitor and End Seals
- Hermetic Multiple Pin Headers
- CNC Machined housings
- RF Connectors

Industries

- Aerospace
- Defense and Navy
- High Performance Electronics
- Automotive
- Energy
- Medical Devices
- Optical Communications
- RF Microwave

Manufacturing Capabilities

- Complete electronic drawing support
- Total design control from fixtures to packaging
- Substrate and component integration
- Environmentally controlled drying
- Plasma cleaning, sinter and bake out process
- Sealing in exothermic, Argon, Nitrogen and Hydrogen atmospheres
- Electrodes in 52 Alloy, Kovar, stainless steel, and Inconel; also Chromel/Alumel and iron /Constantin for thermocouple applications

Quality

Our products meet and exceed the quality standards adopted by US and European Militaries, as well as the various industries that we serve. Our facilities are ISO 9001 certified.

Glasseal Products
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AMETEK®

ENGINEERED INTERCONNECT
AND PACKAGING









About AMETEK Engineered Interconnect and Packaging

AMETEK Engineered Interconnect and Packaging (EIP) is the world's most capable manufacturer of Hermetically Sealed Interconnection products, Microelectronic Packages, using both Glass-To-Metal-Seal and High Temperature Cofired Ceramic (HTCC) technologies, and Harsh Environment Electrical and Optical Connectors and Cable Assemblies.

The EIP business unit consists of five brands and operating facilities across the United States.

AMETEK EIP has more than 70 years of experience in addressing interconnection, packaging and cabling problems in mission critical environments.

EIP is global leader in material science, electronic components manufacturing and integrated industrial services. AMETEK EIP engineers products that withstand the harsh environment of aerospace applications, and provide support services that enable your success.

Our extensive portfolio of precision aerospace components, interconnect technologies and sealed packaging options are diverse enough to serve original equipment manufacturers (OEMs) in both commercial and military sectors around the globe. Our electronic components are found in avionics, guidance and control assets, sensors, instrumentation and more.



ABOUT AMETEK

AMETEK Engineered Interconnect and Packaging is a business unit of AMETEK, Inc., a leading global manufacturer of electronic instruments and electromechanical devices with annualized sales of approximately $5.5 billion.

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