Aegis has the capability and the experience to design and manufacture highly complex aluminum micro-electronic packages for defense, aerospace and other applications.

Product features include:

\[ \textbf{▲ Housing materials} \]
- ✓ Aluminum (Al)
- ✓ Aluminum Silicon (AlSi)
- ✓ Aluminum Silicon Carbide (AlSiC)

\[ \textbf{▲ Glass or ceramic interconnections} \]
- ✓ DC feed thru terminals
- ✓ RF terminals (SMA, SMP, SSMP)
- ✓ Field replaceable SMA connectors
- ✓ Multi-pin connectors

\[ \textbf{▲ Thin film networks} \]

\[ \textbf{▲ Integral mounting feet} \]

\[ \textbf{▲ Brazed mounting studs and hardware} \]

\[ \textbf{▲ Helical threaded inserts} \]

\[ \textbf{▲ Secondary removal of plating for laser welding} \]

\[ \textbf{▲ Engraving} \]
**Other Products from Aegis**

- Flatpacks (butterfly packages)
  - ✓ Single piece (bathtub) and multi-piece housings
- Plug-ins
  - ✓ Single piece (bathtub) and multi-piece housings
- Plug-in flats (platforms)
- Machined housings in Kovar, stainless and other materials
- Complex integrated packages with ceramic feedthrus and terminals, RF and DC terminals, connectors, and optical fiber tubes
- Thermal management solutions
  - ✓ Mo
  - ✓ CuW
  - ✓ CuMo
- Lids and covers

**Capabilities**

- Machining, forming and stamping
- High temperature brazing
- High temperature glass-to-metal-sealing
- Low temperature brazing and secondary component installation
- Plating
  - ✓ In-house capabilities – Gold and Nickel
  - ✓ Also available – Tin and Copper
- Testing
  - ✓ Leak (hermeticity)
  - ✓ Electrical
  - ✓ Dimensional (CMM)
  - ✓ Plating adhesion
  - ✓ Environmental testing per Mil-STD-883 Table IV

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**About AMETEK ENGINEERED INTERCONNECT AND PACKAGING - Aegis**

Sealing glass to metal for over 30 years, Aegis has made its name sealing the most demanding configurations of microelectronic packages in use today. As a business unit of AMETEK ENGINEERED INTERCONNECT AND PACKAGING, Aegis manufactures a full range of industry standard and complex custom packages in both glass and ceramic configurations, to your drawings and technical requirements.

**Check-out the Aegis advantage:**

- ✓ Scale – we can handle any sized job
- ✓ Technology – an unbeatable combination of engineering expertise and experience
- ✓ Customer Service – real-time product and order status at the customer service desk
- ✓ Quality – designed in and thoroughly tested
- ✓ Supply Chain Management – skills essential to the successful execution of the most complex projects

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**AMETEK ENGINEERED INTERCONNECT AND PACKAGING**

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