Machined Electro-Optical and Micro-Electronic Packages

Aegis has the capability and the experience to partner with you in designing and manufacturing the most complex and advanced electro-optical and micro-electronic packages for optical networks and defense products.

Product features include:

- A selection of housing materials to suit your application
- Brazed or integral optical fiber snout/ferrule
- Thermal management bases and inserts
- Structural ceramic inserts
- Thin Film Networks
- Glass or ceramic interconnections
  - DC feed thru terminals
  - RF terminals (SMA, SMP, SSMP)
  - Field replaceable SMA connectors
  - High Temperature Co-fired Ceramic (HTCC) feed thrus
- Integral mounting feet
- Brazed mounting studs and hardware
**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