



Interconnection Castings

Aerospace | Defence | Space



Investment Casting of Complex, Intricate Connector Parts

Sylatech's lost-wax investment casting process is ideally suited in the production of copper and aluminium castings for interconnection applications. Typical uses of the casting process by Sylatech's customers include electronic connectors, backshells, adapters, and conduit bends for military, or harsh industrial environments. Parts with complex internal and external details can readily be produced. The lost-wax investment casting process a fast and cost-effective method for both small batches and large quantities.

In-house CNC machining services are also available and Sylatech works within AS9100, the internationally recognised Aerospace Quality Management System for the aerospace industry.

Benefits of Sylatech's casting process:

- Thin-wall, small or micro castings with a wall thickness as fine as 0.2mm
- Capable of producing lightweight parts as little as 1g
- Castings with high quality surface details and finish
- Rapid prototyping of metal components by utilising 3d printing.

Soluble Cores

Complex internal features such as swept bends can be formed by the use of soluble cores (orange wax). Tolerances however, may require relaxing.



Cast Gears and Teeth

Components requiring teeth for gripping or gear applications may be impossible to produce by machining. The definition achieved by the Sylatech process is ideal for these applications.

