

Aerospace Thermal Solutions

Boyd Technologies Ashington UK Ltd provides solutions and services, utilizing both traditional cooling solutions and breakthrough technologies ranging from standard heat sinks to fully custom two phase or liquid systems.

Formerly known as Thermacore Europe, Boyd UK meets the challenge of thermal control for applications involving increased power, extreme heat loads and tighter space constraints.



Products

- Liquid Cold Plates
- Heat Exchangers
- Liquid Cooling Systems
- Chassis & Enclosures
- Heat Pipe Assemblies
- Heat Sinks
- Heat Spreaders
- Thermal Straps
- Vapor Chambers
- Loop Heat Pipe Assemblies

Applications

- Antennas & Communications
- Lasers Systems
- Avionics & Guidance systems
- Electronic Enclosures & Vetrionics
- Electronic Jamming Equipment
- Embedded Computing
- Hypersonic Leading Edges
- Image Processing
- Satellite Thermal Control

Mission-Critical Thermal Performance

Boyd puts an arsenal of leading edge technologies at your disposal: CTE-matched solutions, nanoscale components and k-Core® encapsulated annealed pyrolytic graphite (APG). All of our thermal technology provide reliable, high-efficiency and low-maintenance heat transfer that lets designers overcome a spectrum of challenges and deliver mission-critical performance.

Future Developments

We have all technology , most efficient, cost-effective and lightweight thermal management solutions, Boyd is working as Prime Contractor on major projects in Europe.

Sebastien Maredj
MD & Technical Sales Representative
aerofluid.ie@gmail.com

71 Baggot Street Lower
Dublin, D02 P593, Ireland



Aerospace Fluid Innovations Ltd.

Private Company Limited by Shares Register Number: 780523



Precision Converting Solutions

Boyd is an innovative precision converter with extensive experience in the Global Defense and Aerospace Industry ranging from ruggedized communication systems, and defense vehicles to aerostructure and in-flight entertainment system components for commercial aircraft.

We turn concepts into components. From design to manufacturing to packaging and logistics, Boyd provides full-service solutions that transform your innovative ideas into reality.



SOLIMIDE®

Our flagship aerospace product, SOLIMIDE® Foams, is a high-performance polyimide foam exceeding FAR 25.856, open-cell in structure that is widely used in aircraft, spacecraft, railcars, marine vessels and other applications. -200°C +300°C

Properties:

- Lightweight (~ 5.7kg/m3 only !)
- Superior fire resistance
- Virtually no smoke or toxic gas production (space qualified)
- Outstanding thermal & acoustic insulation
- Environmentally friendly
- Proven durability & easy installation
- Wide temperature range -200°C +300°C
- Dimensional stability across full temperature range

Solimide Converting plant in Belgium

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Applications:

- Fire Resistant Insulation
- Cargo Bay Insulation Panels & Duct System Insulation
- Bonding & Adhesive Systems
- Surface Protection
- O-Rings
- Environmental Gaskets & Sealing
- System Information Labels
- EMI/RFI Shielding & Absorbers
- Display Components
- Electric Conduction/ ESD
- Optically Clear Adhesives
- Acoustic & Vibration Damping
- Venting & Air Filtration
- Window Dust Covering
- Passive Air Cooling Solutions

