

NEWSPACE MARKET · COMPANY PROFILE

BOYD

Boyd Corporation

United States · boydcorp.com

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WITH DATASHEETS

newspacemarket.com/companies/boyd-corporation-aavid/

as of 20 August 2026



Boyd Corporation

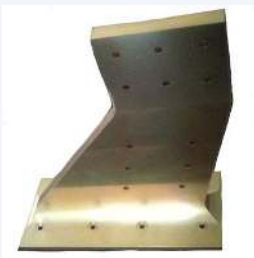
Boyd Corporation is a Pleasanton, California-based manufacturer of engineered materials and specialty solutions, designing and manufacturing products to seal, cool, protect, and insulate critical applications across aerospace, defense, hyperscale computing, and other industries. For aerospace and defense customers, Boyd provides EMI shielding, environmental sealing, thermal interface materials, and structural composites. The company has served as a tier-1 and tier-2 supplier to aerospace primes and defense integrators, producing custom engineered components to strict dimensional and performance tolerances. Boyd operates as a global contract manufacturer and material solutions provider with facilities across the United States, Europe, and Asia. The company works across multiple technology platforms including die-cut materials, molded components, fluid thermal management, and electromagnetic interference (EMI) solutions.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

Services

Design Engineering Boyd provides design engineering services covering mechanical, electrical, industrial engineering, Design for Manufacture (DFM), and product aesthetics.	Manufacturing of Multifunctional Assemblies Boyd offers manufacturing services for complex, multifunctional solutions, focusing on product performance, efficiency, reliability, and longevity.
Prototyping and Samples Boyd offers prototyping and samples to accelerate product development and new product introduction processes before mass production.	Testing and Validation Boyd provides testing and validation services, collaborating with customers to meet unique testing needs and specifications for full product validation.

Product catalogue



BOYD CORPORATION

k-Core Encapsulated Graphite Thermal Solutions

Boyd Corporation's k-Core is a proprietary encapsulated Annealed Pyrolytic Graphite thermal-conduction material used to build lightweight, high-conductivity radiator panels, thermal straps, and thermal interface materials.

Effective thermal conductivity (k-Core assembly)	up to 1000 W/m·K
APG core in-plane thermal conductivity	up to 1700 W/m·K
Thermal straps effective conductivity	up to 1200 W/m·K
Radiator panel operating temperature range	-40°C to +72°C
Heat dissipation improvement	≥40°C reduction vs. aluminum equivalent
Gravity independence	Rated for 0g to >9g environments
Encapsulant materials	Aluminum and copper alloys, ceramics, carbon-fiber composites

flight proven · TRL 9

price on request

datasheet

BOYD CORPORATION

Spacecraft Thermal Management Systems

Boyd Corporation's (Aavid) space-grade thermal management solutions — heat pipes, vapor chambers, thermal straps, and two-phase cooling systems for satellite electronics.

Products	Heat pipes (CCHP/VCHP), vapor chambers, thermal straps, thermal interface materials
Heat Pipe Working Fluids	Ammonia (space standard), water, ethanol
Thermal Straps	Braided copper or graphite fiber; flexible isolation
Thermal Interface	Indium foil, phase-change materials, filled epoxies
Standards	Space-qualified assemblies (ASTM/AIAA); MIL-SPEC screened materials
Legacy Name	Aavid Thermalloy (acquired by Boyd Corporation 2019)

price on request

Contact Boyd Corporation

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

<https://newspacemarket.com/companies/boyd-corporation-aavid/>

<https://www.boydcorp.com/>

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