

BOYD

CORPORATION

WWW.BOYDCORP.COM

CONSUMER ELECTRONICS

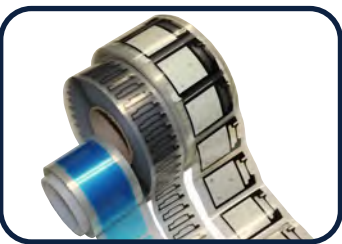
A decorative graphic consisting of several hexagons of varying sizes and colors. The hexagons are arranged in a pattern that is roughly rectangular, with some hexagons missing, creating a honeycomb-like structure. The colors range from dark blue to bright orange, with a gradient effect. The hexagons are outlined in white.

One Company, Many Solutions

Precision Converting Solutions

Boyd is an innovative precision converter with extensive experience in the Consumer Electronics Industry ranging from integrated display gasket assemblies to acoustic meshes and insulation.

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.



Applications:

- Bonding & Adhesive Systems
- Custom & Standard O-Rings
- Graphic Overlays & Labels
- Double Coated Tapes
- EMI/ RFI Shielding
- Foam Solutions
- Graphic Overlays
- Grommets & Vibration Isolators
- Gaskets & Seals
- Keypad & Button Covers
- Light Control Films
- NVH Solutions
- OLED Display Interface
- Particulate Filters / Guards
- SOLIMIDE® Foams
- Thermally Conductive Insulators
- Waterproof Sealing
- Wire Mesh

Efficient Rotary Die Cutting

Our advanced rotary die cut converting core competencies have become a form of industrial artwork with ultra-tight tolerances (zero-gap), superb cleanroom manufacturing environments, and innovative raw material combinations that are critical to the high design and manufacturing demands of electronic applications.

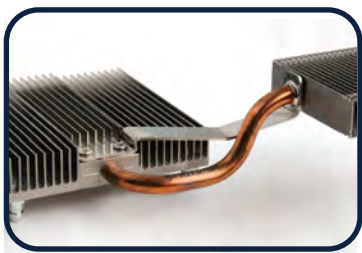
Quick-Turn Prototyping

Our CNC Laser, Knife, and Waterjet die-less prototyping systems, with Flashnesting software, allow us to quickly convert drawings to prototype parts without the need of tooling. Same or next day samples often achievable.

Thermal Solutions

Aavid, Thermal Division of Boyd Corporation, 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.

Aavid meets the challenge of thermal control for applications involving increased power, extreme heat loads and tighter space constraints.



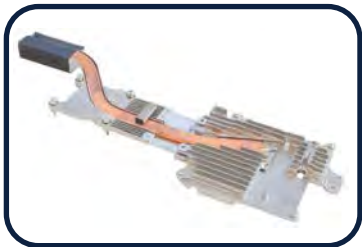
Applications:

- CPU, GPU & Microprocessor Thermal Management
- Power Supplies
- Power Amplifiers for Sound Systems
- RAM, DIMM, & Memory Cooling Solutions
- User Interface & Display Cooling



Solutions:

- Encapsulated Graphite Sheets
- Fans
- Flexible Heat Pipe Assemblies
- Gap Fillers
- Heat Pipe Assemblies
- Product Touch Temperature Management & Protection
- Quiet Active Air Cooling Solutions
- Thermal Interface Material
- Ultra Thin Vapor Chambers



Responsiveness & Innovation

In today's consumer electronics market there is high-demand for compressed product development cycles and swift results. Boyd provides design assistance in rapid intervals, accelerating your development cycles and time to market.

Passive Cooling Technologies

Aavid's heat spreaders, heat pipe assemblies, or vapor chamber assemblies are ideal passive cooling technologies that combine decades of reliable high performance in small lightweight volumes.



Providing Solutions To Complex Problems

Boyd's fully integrated precision converting and thermal management capabilities are from multi-faceted facilities in the US, Asia, and Europe, providing competitive solutions for a wide range of applications. Boyd offers total solutions with deep material selection expertise, innovative manufacturing technologies and easy-to-integrate production parts with tight tolerances. Converting and fabrication capabilities include rotary and flatbed precision converting, laser and water jet for quick turn prototyping, laminating, slitting, 3D modeling, CNC machining, brazing, welding and other fabrication techniques. Boyd can assist in selecting the most cost-effective material solutions while supporting the design of your solutions within the most comprehensive manufacturing and assembly operations in the industry. The result is a reliable, consistent production execution at the highest quality.

Quality & Processing

Boyd helps you exceed industry standards, regulations and environmental protection goals while maximizing long-term performance and reliability. We put quality first. Our design & production facilities have extensive knowledge of Consumer Electronics OEMs, regulatory, third party and MRO specifications. Many facilities are certified to ISO 9001 specifications for safety and contingency planning.

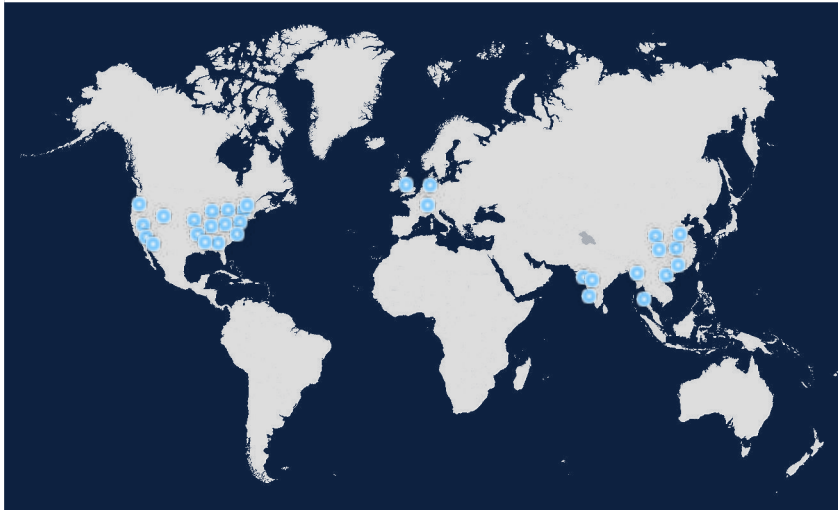
Design Engineering

Boyd maintains design centers around the world dedicated to innovative thermal and sealing design solutions as well as product integration. These engineers work closely with our customers and manufacturing teams to provide a streamlined product life cycle from conception to prototyping to production and even to end of life management or retrofitting. Our design centers include both general and specialized teams focused on integrated technologies and lightweight solutions help keep equipment and motors running longer, more reliably and efficiently.

Global Capacity

With production facilities strategically located around the world, Boyd is uniquely positioned to support your needs. No matter where you are designing or building products around the world, we are there to support with design assistance, converting and metal fabrication, immediate customer service, local warehousing, and just-in-time delivery and logistics services efficiently and in close proximity to your R&D and production locations.

Global Presence



Corporate Headquarters

5960 Inglewood Dr. Suite 115
Pleasanton, CA 94588
+1(888)244-6931

Consumer Electronics Facilities

Boyd Corporation is a trusted partner for quality Consumer Electronics manufacturing. As the go-to supplier for sealing and thermal solutions, Boyd Corporation manufacturers solutions that seal and protect sensitive components from unpredictable environments as well as thermal management solutions for higher heat loads that ensure longer product lifetimes and adequate user safety.

California • China • Germany • India • New Hampshire • Thailand • Vietnam

Boyd America

Our highly-trained North American support teams are here to assist with your program management requirements, material selections, product design, commodity management, application engineering and raw material or finished goods testing. Our cross-functional team can be tailored to your unique needs and will closely monitor your initiatives and new programs, while ensuring tight management of new product introduction, volume production and delivery deadlines.

Arkansas • California (4) • Connecticut • Georgia • Indiana • Massachusetts • Michigan
New Hampshire • New York • Oregon • Pennsylvania • South Carolina • Tennessee • Wisconsin

Boyd Europe

Our engineers have decades of research and develop experience to provide European customers with the highest quality custom technologies. Boyd excels in rapid prototyping and regional design services deployed for global mass production. We offer sophisticated order management that caters to your custom EDI or supply portal needs with just-in-time stocking and delivery support. Boyd delivers high touch customer service in a global environment, optimized for your complex value chains.

Italy • Germany • United Kingdom

Boyd Asia

With operations spread across Asia, Boyd's global manufacturing footprint, engineering design centers and clean room capabilities from Class 100 to Class 100,000 provide consistent quality, speed and cost-effectiveness with centers of excellence and quality management systems to meet the unique needs of highly diversified industries, providing Asia-Pacific customers as well as global OEMs reliability throughout the product life cycle.

BacNinh • Bangalore • Chonburi • Gujarat • Gumi • New Taipei • Noida • Shanghai • Shenzhen • Wuxi