

BOYD

CORPORATION

WWW.BOYDCORP.COM

PRECISION CONVERTING

A decorative graphic consisting of several interlocking hexagons. The hexagons on the left are orange with a horizontal gradient, while the ones on the right are blue with a horizontal gradient. The hexagons are arranged in a honeycomb pattern, with some missing in the center and bottom right.

One Company, Many Solutions

Precision Converting Solutions

Boyd has decades of expertise in developing custom solutions through the design and conversion of flexible materials using the latest precision converting technology.

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.



Capabilities

Boyd supports the needs of low to high volume production with core competencies in a wide variety of traditional and innovative converting technologies.

Technologies

- Rotary & Flatbed Die Cutting
- CNC Cutting
- Laser Cutting
- Water Jet Cutting
- Ultrasonic Welding
- Laminating
- Slitting
- Splitting
- Precision Knife Plotter Cutting
- Multi-Axis Routering
- Surface Treatments
- Subassembly
- Ultra-Tight Tolerances

Applications

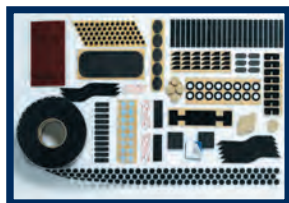
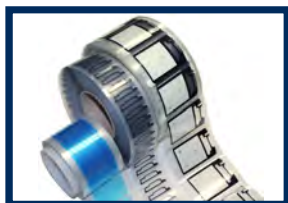
- Adhesive Die Cut Parts
- Display Components
- Gaskets & Seals
- Vibration Dampening
- EMI/RFI Shielding
- Insulators
- Thermal Management
- Foil & Thin Films
- Surface Protection
- Medical Wearables & Disposables
- Optical Film & Adhesives
- Complex Multi-Stack Laminations

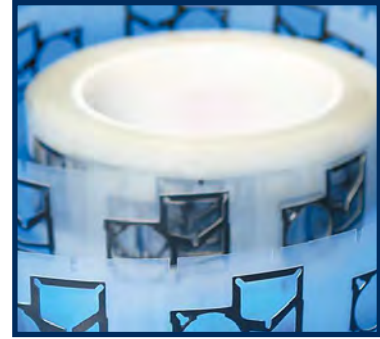
Quick-Turn Prototyping

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.

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 tolerances), superb clean room manufacturing environments and innovative raw material combinations that are critical to the high design and manufacturing demands of advanced product applications.





Providing Solutions To Complex Problems Through Precision Converting

Boyd's fully integrated, in-house precision converting capabilities are available across multiple facilities with expertise in providing competitive solutions to virtually any industry. Precision converting sales teams and engineers partner closely with your design team to solve complex manufacturing and assembly problems that reduce your overall costs.

Boyd's expertise as a precision converter and die cut fabricator delivers to you reliable and consistent production parts spanning environmental gaskets and seals, bonding systems, EMI/RFI shielding and absorbers, electrical insulation, electrical conduction, thermal insulation, acoustic insulation, thermal conduction, cushioning, shock absorption, vibration damping, lens protection, complex adhesive laminations, optical films, graphic overlays, labels and electromechanical subassemblies.

Quality & Processing

Boyd puts quality first. We strive to provide you with the highest quality products and services in a timely manner, all while adhering to environmental, government and social responsibility standards. Our production facilities have multiple certifications to serve a wide variety of markets including ISO 9001, ISO 14001, ISO 13485, IATF 16949 and AS9100 specifications - ensuring the highest levels of quality management.

Clean Room Capabilities

Boyd converts a wide range of electronic, transportation, communication, security, durable medical and other healthcare components. To exceed cleanliness requirements of sensitive or highly controlled designs and functionality, Boyd maintains dedicated presses for material conversion in a clean room environment. At Boyd, we have the expertise, technology and environmental processes to meet these needs with clean room environments certified from Class 100 to Class 100K.

Global Capacity

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

Boyd Precision Converting Facilities

With over 90 years of customer-focused performance, Boyd has evolved as a market leader in environmental sealing and thermal management solutions critical to products that keep the world running.

Boyd in North America

With strategically located facilities throughout North America, Boyd provides design assistance, quick-turn prototyping, customer service, mass production and just-in-time delivery for highly differentiated customers with low to high volume demands.



Boyd California specializes in precision converting solutions for industrial, enterprise electronic, medical device, automotive, aerospace, and defense applications as well as quick turn design and prototyping of products that can be mass produced at any global Boyd precision converting facility. **Boyd Michigan** provides value-added custom solutions for the automotive, industrial and electronics markets with high volume, high complexity precision converting processes and advanced material stacking. For over three decades, **Boyd Oregon** has served the aerospace, defense, commercial vehicle, medical, and industrial markets, specialized in converting SOLIMIDE® Foams for thermal management applications as well as a variety of additional value-added custom solutions. **Boyd South Carolina** proudly serves the commercial vehicle, agricultural, construction, automotive, and industrial markets. Providing full customer service through all product realization stages into volume production with efficient converting, assembly, and distribution operations. **Boyd Tennessee** has a long history of serving the broad disposable and medical device markets and offers complete medical outsourcing solutions, including precision converting, assembly, packaging and customer service out of its ISO 13485 and FDA registered facilities.

Boyd in Asia



Some of Boyd's most innovative precision converting facilities are strategically located throughout Asia providing easy localized access to Global OEMs' R&D and production facilities with quick-turn prototyping, design assistance, precision converting and customer service. **Boyd Korea** specializes in precision converting for the mobile electronics market with high-speed flat bed and rotary die cut technology that produce tight tolerance parts. **Boyd Vietnam** serves the electronics market with a core competency for mid to high volume converting of intricate parts with a very economical cost structure. **Boyd Thailand** provides high precision stamping components, printed and blank labels, and high complexity precision converting parts. **Boyd Wuxi & Shenzhen** have over a decade of experience serving global medical, consumer, mobile and enterprise electronics customers with vast clean room footprints spanning Class 100 to 10K and the most innovative rotary die cut technology in the world. Advanced products and process designs are exceptionally efficient, helping customers meet demanding launch schedules.

Boyd in Europe

For over four decades, **Boyd Corporation GmbH** has provided high-touch customer service, dedicated design assistance and manufacturing centrally located in Syke, Germany. With high-caliber precision converted solutions from eccentric presses, rotary and flat bed die cutting, Boyd Corporation GmbH proudly serves the medical, electronics, mobile phone and automotive industries.

