



ADVANTAGE CONVERTING

Advantage Converting Reduces OEM's Manufacturing Costs and Opens the Door to Further Innovation

Industry: Electronics

Application: EMI/RFI Shielding

Services: Custom Die Cutting, Laminating

Materials: Films & Plastics, Foils, Tapes & Adhesives



Case Study

Challenge

A major subcontractor for a multinational OEM produces RFI shields used in the manufacture of Magnet Resonance Imaging (MRI) machines. The shields are composed of copper and G10 (a rigid fiberglass laminate). The company was using an expensive waterjet process to cut the shields, and wanted to reduce its costs and scale production. However, at 36x50 inches, the size of the parts limited the type of manufacturing processes and the number of partners that could help.

Solution

The company's search for a partner that could laminate and die cut multiple RFI shields led them to Advantage Converting. We have the capability to die cut up to 78 inches wide and can process rigid materials on our existing tooling and equipment.

Our engineers developed a more efficient and cost effective process that entailed laminating the copper foil and composite G10 using acrylic adhesive and then die cutting the shield on our large platen die cut presses. We adhered to the company's whole dimensional tolerances, edge quality and other quality requirements.

Results

- The laminating and die cutting process we employed reduced the OEM's manufacturing costs by 35% and improved customer lead times by three weeks
- We scaled production and improved yield
- Eliminating the challenges associated with the part's size freed the customer's engineers to further innovate and develop a second generation product that improved the overall efficiency of the end product

Tell Us Your Challenge: info@advantageconverting.com

Call Our Team: 650.802.6800

Come See Us: 266 Industrial Rd. Suite A · San Carlos, CA 94070

advantageconverting.com



Our Mission

Advantage Converting strives to serve our customers' every need. You're our lifeblood. We value every opportunity to learn about you, collaborate, and build a lasting relationship. From A to Z, our team is dedicated to understanding and realizing your challenge.

Our customer commitment:

- Produce the highest quality products at a fair cost
- Provide exceptional product turnaround time
- Offer unsurpassed customer service and support
- Ensure sensitivity to all customer privacy needs

We want to contribute to your success. By partnering in all steps from product development to delivery, Advantage Converting will make every effort to ensure you accomplish your goals.

Our Services

- Custom Die Cutting
- Precision Slitting and Rewinding
- Multi-layer Laminating
- Thermal Laminating
- Cleanroom Manufacturing
- Controlled Environment Printing
- RF Welding
- Island Placement
- Packaging and Assembly
- Engineering and Prototyping



Our Process

No matter what stage you're at, we can help you. Whether it's a scratch of inspiration on a napkin, or a fully designed and blueprinted idea, our creative engineers will work with you to make your idea a reality.



Building Relationships

Our customers are our lifeblood. From our initial consultation, and through each step of the process, we value every opportunity to learn about you, your business, and your challenge.



Engineering & Prototyping

Our highly skilled R&D team collaborates with your top engineers on the most difficult design challenges and incorporates your application, quality and cost requirements into a streamlined process and solution.



Manufacturing

To meet your quality, cost, and delivery expectations, we use our comprehensive capabilities, from basic assembly to the highest levels of automation and clean room expertise.



Quality Control

With over 30 years of experience, we incorporate the uppermost quality standards and unparalleled process management from initial consultation to final delivery.



Packaging & Distribution

We utilize our broad logistical knowledge and industry resources to ensure we meet your packaging and distribution requirements, regardless of type and scope.



Service & Support

Our customer service team is committed to providing you highest-quality support and satisfaction for every inquiry and request, whether it's broad or specific, about designing, manufacturing, or shipping.