



ADVANTAGE CONVERTING

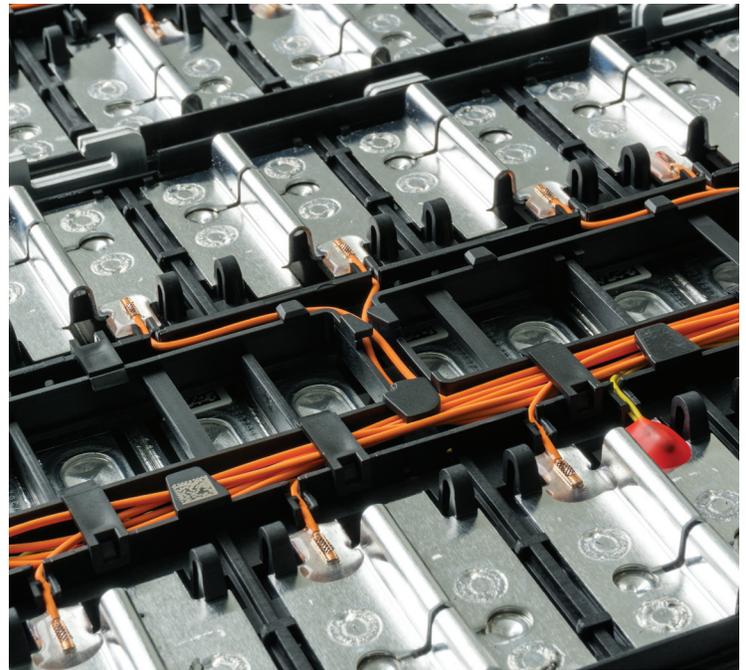
Advantage Converting Solves Common Challenge in Processing Advanced Lithium Batteries, Becomes Trusted Partner

Industry: Green Energy

Application: Batteries, Electrical Insulation

Services: Clean Room Manufacturing,
Slitting & Rewinding

Materials: Foils



Case Study

Challenge

The manufacture of advanced lithium batteries requires precision slitting of ultra-thin (4-10 microns) copper and aluminum foils. Extremely tight width precision and edge quality is critical to downstream applications. Clean room processing is also needed to maintain the surface quality and cleanliness of the material. With the market growing rapidly (at a CAGR of 27%), manufacturers need a converting partner capable of handling these challenging and fragile materials at mass production volumes.

Solution

To meet this demand, Advantage Converting developed proprietary tooling and methodology for slitting ultra-thin copper and aluminum foils at extremely tight tolerances (+/- .002") with a consistent (smooth) edge quality profile. Quality agreements and clean room processing provide assurance that the materials maintain their integrity. Our ability to meet the requirements for precision and quality at mass production has made Advantage Converting a trusted partner to several advanced lithium battery manufacturers.

Results

- Our ability to meet tight specifications allows customers to increase their yields and productivity
- Consistent high quality input on manufacturers' automation lines increased output

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.