

The low-risk path to battery production in record time

Laser Cutting & Ablating Tool for Battery Manufacturing

Situation

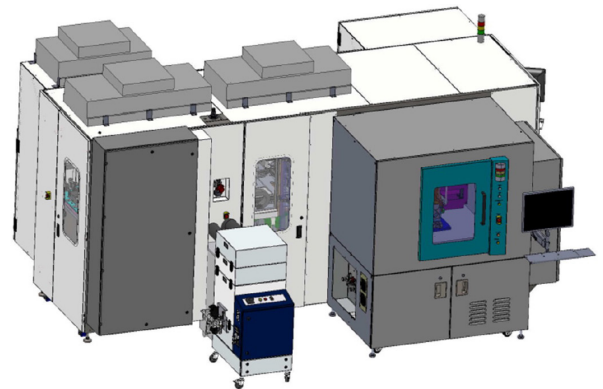
A process for cleanly cutting and ablating a key layer in the battery stack via laser was developed in the lab and had to be integrated into factory automation while maximizing throughput and laser utilization.

Solution

Owens partnership with Turner Laser Systems (TLS) allowed a co-designed laser station to be integrated quickly into a custom automation station which handled and cleaned the delicate parts. The laser expertise of TLS and the experience of Owens Design guarantees a one stop guarantee the process and the automation will work out of the box.

Problem

Not losing the process when implementing a high throughput tool. In addition, the thin, fragile layers had to be moved quickly and reliably throughout the tool.



About Owens Design

From startups to Fortune 500 manufacturers, you can minimize risk, accelerate time-to-market, and scale high-tech production with custom design, build and turnkey manufacturing from Owens Design. OEMs meet impossible customer demands with production-ready prototypes designed and built with Owens Design. Manufacturers rapidly scale production of new products with custom automation developed by Owens. Since 1983, Owens has designed and built thousands of tools with 100% delivery, through highly experienced engineers, a proven product development process and customer commitment. Owens Design has deep expertise in semiconductors, biomedical, renewable energy, batteries, displays, and emerging technologies.



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