

# LITHIUM-ION BATTERY RECYCLING PRIZE



U.S. DEPARTMENT OF ENERGY

**Team Name:** SNT Laser Focused

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**Submission Title:** Utilizing Laser Cutting for Efficient Battery Pack Dismantling

**Submission Track:** Track 5: Other Ideas

**Abstract:** (<100 Word)

Spiers New Technologies is the market leader in the servicing of automotive lithium ion battery packs. Automotive battery packs suffer from an inefficient design of their casing, containing an egregious amount of fastening bolts. These bolts require an efficient removal process in order to access the battery modules for recycling. By using a laser to cut around the bolts fastening the pack casing, time efficiency increases in accessing battery pack modules for dismantling then recycling. This time efficiency gain then leads to increased volume of modules recycled as well as cost savings from a reduction in processing time.



Lithium-Ion Battery Recycling Prize

*Supported by the U.S. Department of Energy Vehicle Technologies Office and Advanced Manufacturing Office;  
Administered by the National Renewable Energy Laboratory*