

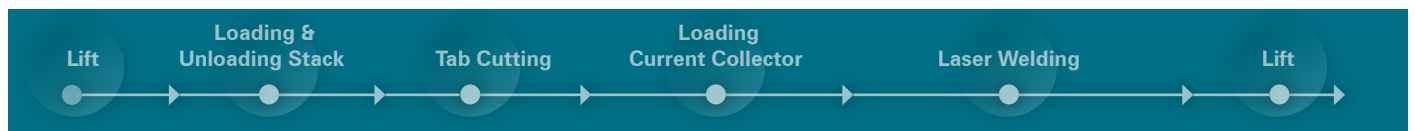


Innovative Laser Welding Processes in Battery Production

A real alternative to ultrasonic welding: our system for laser welding of battery cell components such as cell connectors (BLT)

Technical Specifications BLT

Manz's advanced laser technology for welding battery cell components such as cell connectors (tabs) offers battery production companies the opportunity to take their production to a new level and actually save costs.



Battery Laser Tab (BLT)

Dimensions (L x W x H)	7,000 mm x 2,500 mm x 2,250 mm Height including signal tower ~ 2,600 mm
Production Rate	5 ppm
Product Dimensions (L x W)	350 mm x 750 mm
Layers*	10-100 pcs
Clean Room Class	ISO 7 & Dry Environment
Safety Regulation	CE Standard Directive 2006/42/EC

*total of electrodes



✓ Advantages system

- Less process steps
- Shorter processing time
- Lower operating costs
- Smaller footprint
- More flexibility

→ Advantages process

- Wear-free machining
- No mechanical load
- Less space required for weld seam
- Higher mechanical strength
- Higher welding quality

