



## Jupiter Laser Welding System for battery tab welding

Our Jupiter Laser Welding System for battery pack welding is a semi-automatic production system for welding high-quality battery modules for applications like power tools, aerospace, military and automotive battery modules. It can be equipped with several lasers up to 1 kW, a laser weld head with fixed optics or a galvo (scanner). Providing a motorized XY table and a motorized Z-axis, focusing on the parts and positioning of the parts is easy. Allows for battery modules about 300x300x300mm with typical weights up to 20 kg and is suitable for thin- to medium thickness battery tabs in nickel, titanium, aluminum, copper and brass (300 to 500 micron thickness upper limit dependent on material and design).

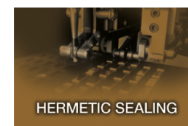
### Specifications Jupiter Laser Welding System for battery tab welding

- > Fully enclosed laser welding system for battery tab welding
- > Class I, safe to operate in a normal production environment
- > 500W average power fiber laser in the Near Infra-Red (NIR) wavelength range
- > Manual operated front door for manual loading
- > Automatic operated side door for robot loading
- > Integrated Combustion Suppression unit (CSU) to safeguard the system and operator
- > Integrated downholder for maximum joint quality and process traceability
- > Outcoupling optics (laser weld head) with fixed optics or galvo (scanner)
- > Motorized XY table and motorized Z-axis for positioning and focusing on the parts
- > Integrated shielding gas delivery
- > Integrated fume extraction
- > PLC control for easy of usage and reliability in production environments

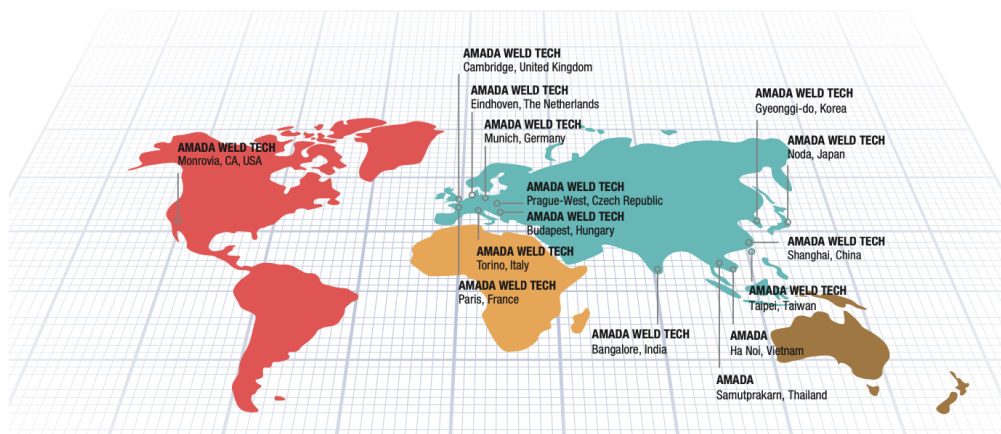
# AMADA®

## AMADA WELD TECH

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