

Galaxy WDF-7050 EV Battery Welder

THE SEAL OF ASSURANCE



An automatic laser welding station for EV battery pack assembly, in 3 and 6 kW with CW or modulated output and under 3 percent power stability. A 700 by 500 mm servo table on ball screw axes handles tab, cell and busbar welding with the repeatability that battery work demands. Built for precise, low heat input joining on production lines.

SPECIFICATIONS

Model	Galaxy WDF-7050 (3000 / 6000 W)	Max laser power	3000 / 6000 W
Wavelength	1080 +/-5 nm	Operating mode	CW / modulate
Max modulation frequency	5 kHz	Output power stability	< 3%
Red laser	Yes	Power supply	340-420 V three phase
Cooling	Water cooling	Interface	QHB
Protective gas	Dry air	Table size	700 x 500 mm
Drive	AC servo motors	Transmission	High precision ball screw on all axes

APPLICATIONS

EV battery tab welding · Busbar and cell connection welding · Battery pack assembly

INDUSTRIES

EV manufacturing · Battery production · Electronics · Energy storage

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