AMADA WELD TECH



AF-8500A Lid Placement, Tack and Seam Sealing System (formerly known as AF8500)

The Auto flow system is flexible enough to meet the ever-increasing demands of lid placement and seam-sealing applications as seen in the optoelectronic packaging industry. It can be configured either as a stand-alone unit or as part of a fully-integrated, automated manufacturing line. The computer-controlled precision tacking and seam-sealing mechanism is combined with a high-frequency inverter welding power supply and an optional high-resolution vision system to provide a robust and repeatable process. Auto flow can also be incorporated into an atmospheric enclosure to provide an integrated seam sealing glove box system, ensuring high-yield hermetic sealing results.

Key features AF-8500A Lid Placement, Tack and Seam Sealing System

- Programmable electrode force and weld current using a Windows®-based proprietary software
- Closed-loop high frequency inverter welding power supply features low sealing temperatures and power feedback, increasing yields and productivity
- Current control mode optimized for superior seam sealing results
- Position-based weld pulses ensure consistent spot spacing, optimized spot density at corners, reduced leaks, and elimination of acceleration/deceleration problems
- Auto-Trak™ software indexes electrodes ensuring extended electrode life and more even wear
- Electrode roll-back feature assists in electrode release from lightweight parts
- Automated lid alignment and placement option holds lid in place during tacking, preventing misalignment; easy-to-program vision software
- Automated magazine loader option loads from either top or bottom for a fully or semi-automated part handling system

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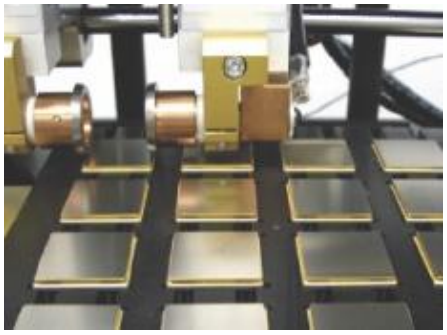
Specifications AF-8500A Lid Placement, Tack and Seam Sealing System (formerly known as AF8500)

Part size with vision, pick-place and tack	0.118 in - 4.3 in (3 mm - 110 mm)
Part size without vision and pick-place	0.118 in - 8 in (3 mm - 203 mm)
Lid placement accuracy	+/-0.003 in (+/-0.08 mm)
Weld force (programmable)	500 to 3000 grams (1g increments)
Linear weld speed	0.01 to 1.5 in/sec (0.01 increments)
HF-2500A current output	100 to 2400 amps, ±2 amps
HF-2500A pulse width	0.10 to 99.00 milliseconds (0.01 increments)
Input power - HF-2500A power supply	192 - 264 VAC (240 V nominal), 3 Ph, 50/60 Hz, 25 amps 320 - 440 VAC (400 V nominal), 3 Ph, 50/60 Hz, 20 amps 384 - 528 VAC (480 V nominal), 3 Ph, 50/60 Hz, 13 amps
Mechanism input power	Autovolt 110 to 240 VAC 50/60 Hz single phase 15 amp
Compressed gas requirements	60 psi minimum
Calibration	To NIST standards / CE certified
Dimensions (L x W x H) AF-8500A mechanism	712 mm x 712 mm x 432 mm (28 in x 28 in x 17 in)
Weight AF-8500A mechanism	55 kg (120 lbs)
Dimensions (L x W x H) AF-1250A mechanism with control box	Mechanism - 762 mm x 712 mm x 432 mm (30 in x 28 in x 17 in) Control box - 280 mm x 381 mm x 356 mm (11 in x 15 in x 14 in)
Weight AF-1250A mechanism with control box	66 kg (145 lbs)
Dimensions (L x W x H) HF-2500A power supply	413 mm x 235 mm x 331 mm (17 in x 10 in x 13 in)
Weight HF-2500A power supply	24.5 kg (54 lbs)

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Product applications AF-8500A Lid Placement, Tack and Seam Sealing System (formerly known as AF8500)





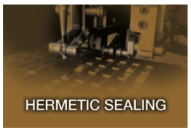
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OUR TECHNOLOGIES









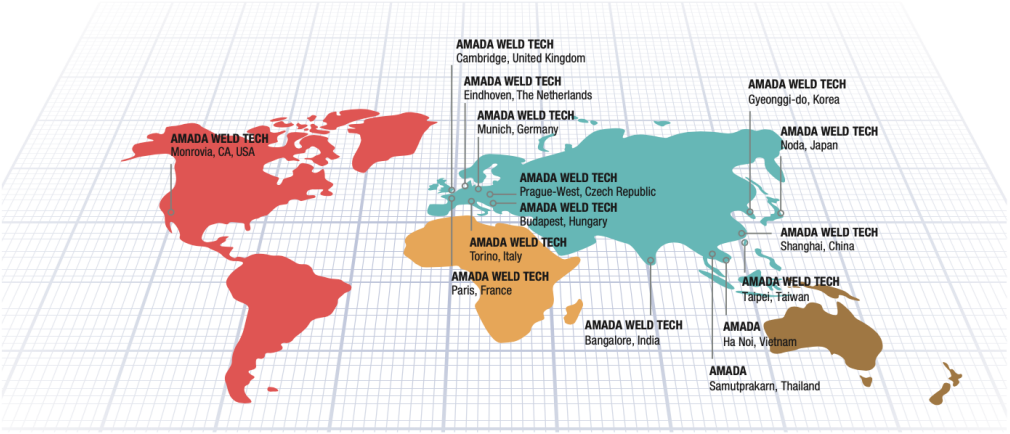








OUR SALES OFFICES



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