



Delta Series B workstation with LF-500A Yb: fiber laser welder

Delta Series

Laser Processing Workstations

The Delta Series laser processing workstations provide a flexible, low cost, CDRH Class I environment for precision marking, welding and cutting of medical, automotive, electronic, and aerospace components, as well as a broad range of other industrial applications.

Available in 4 standard sizes, Delta Series workstations are available with your choice of precision, multi-axis (XYZ) CNC motion stages, control hardware, optional rotary, and Windows® software, with industry-standard G & M code programming features. A small foot-print design fits lean manufacturing requirements.

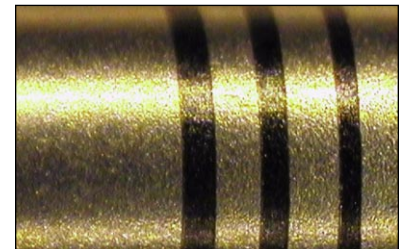
KEY FEATURES

- Heavy duty chassis
- CDRH Class I compliant
- Large laser safe viewing window
- Interior lighting for general part and tooling illumination
- Modular control panel with pullout electronics drawer for easy access
- Stable, ergonomic platform
- Easily customizable to meet specific part and customer requirements
- Optional vibration isolation casters
- Optional rotary stage
- Optional real-time laser weld monitoring to inspect the weld and ensure quality, throughput and traceability

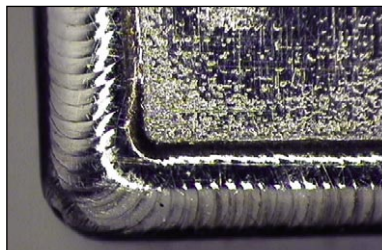
TYPICAL APPLICATIONS



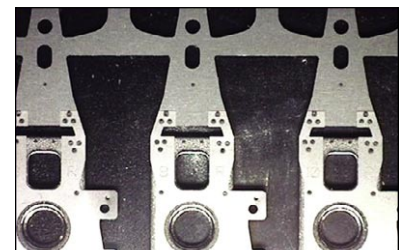
Laser welding electronic device mounting plates



Laser marking corrosion resistant bands on medical tubing



Laser seam welding electronic and RF packages



Laser spot welding disk drive armatures



**Delta Series workstation with
ML-2350A Nd:YAG laser welder**

OPTIONAL ACCESSORIES

- On axis CCTV camera view with cross hair generator
- Cover gas module including nozzle and solenoid valve to minimize usage of gas
- Pneumatic vertical front access door
- Intuitive control panels and pendants for operator usage
- Customer specific tooling and part holding fixtures
- Ergonomic mounting arm for LCD screen monitor, keyboard, and mouse
- Integration with customer supplied tooling
- Customized GUI
- Barcode Scanner (handheld or fixed mount) for job load
- Automated power/energy with modulo-N control
- Vision systems for seam location, part identification, and weld path orientation

FACILITY REQUIREMENTS

AC power requirements^{1,2}	Single phase, 120 VAC \pm 10%, 50/60 Hz, 10 A
Other facility requirements	80 - 100 psi (0.55 - 0.7 MPa) filtered air supply line (pneumatic door option) 60 - 100 psi (0.4 - 0.7 MPa) industrial grade Argon (cover gas option) Note: allow 12 in (300 mm) clearance behind enclosure

¹ Available option: 240 VAC \pm 10%, 50/60 Hz, 5 A

² Workstation only: laser power requirements depend on laser model selected.

WEIGHT & DIMENSIONS

	A	B	C	D
Dimensions (W x D x H)	34 in x 26 in x 74.5 in (864 mm x 660 mm x 1892 mm)	40 in x 26 in x 74.5 in (1016 mm x 660 mm x 1892 mm)	53 in x 53 in x 81.4 in (1346 mm x 1346 mm x 2068 mm)	53 in x 36 in x 81.4 in (1346 mm x 914 mm x 2068 mm)
Maximum XYZ linear stage travel³	6 in x 6 in x 6 in (152 mm x 152 mm x 152 mm)	8 in x 8 in x 6 in 203 mm x 203 mm x 152 mm	12 in x 16 in x 8 in (305 mm x 406 mm x 203 mm)	12 in x 12 in x 8 in (305 mm x 305 mm x 203 mm)

³ Maximum travel may vary; dependant on optics, tooling and all part dimensions. Customized motion configurations with a larger motion envelope available. Please consult factory with specific motion requirements.

CE certification upon request



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