



*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.

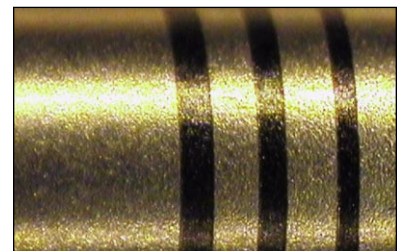
KEY FEATURES

- 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

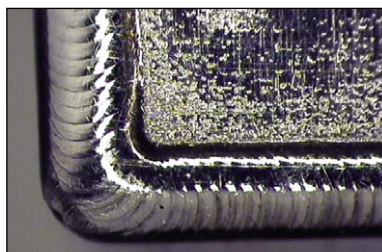
TYPICAL APPLICATIONS



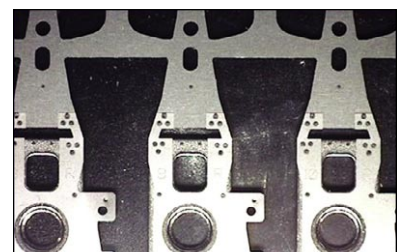
*Laser welding electronic device mounting
plates*



*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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