



WL-P300A

Laser Workstations

AMADA WELD TECH's WL-P300A is a highly configurable workstation designed for industrial manufacturing and offering the widest range of processing capability in its class.

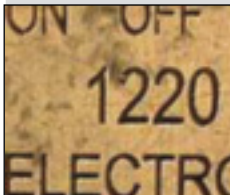
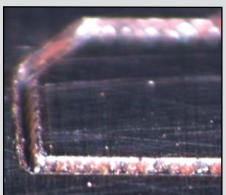
Standard options include an XY table, rotary stage, cover gas module, fume extraction, bar code reader, and camera systems to tailor the machine to your specific processing needs.

The WL-P300A workstation is integrated with AMADA WELD TECH's popular LM-F fiber lasers and features a simple interface for easy transfer from prototype to production phase.

KEY FEATURES

- Bench top or floor standing options available
- Fast and precise motorized Z-axis for easy focus adjustment (programmable axis optional)
- Easy access to parts and tooling
- XY table (optional) for step and repeat motion
- Large viewing window for easy visual observation by operator
- F-Theta 100 mm, 160 mm, 254 mm, 330 mm and 420 mm lens options for marking various parts and sizes
- Fume extraction port with flexible ducting
- Compact, motorized rotary axis for processing cylindrical parts (optional)
- M6 threaded hole pattern mounting base plate for easy part fixturing
- Integrated with **AMADA WELD TECH's** industrially proven LM-F Fiber Lasers (10-70 W)

TYPICAL APPLICATIONS

LM-F010A / LM-F020A	LM-F020A-SM	LM-F020A-HP
10 W, 20W Marking System	20 W Precision Marking System	20 W Advanced Marking System
		
Marking on Metals	Precision marking for Smallest Feature Size	Marking on Metals and Plastics
LM-F035A-HP	LM-F050A	LM-F070A-HP
35 W Advanced Marking System	50 W Marking and Engraving System	70 W Welding System
		
Marking on Plastics and Large Area Annealing	Engraving of Stainless Steel	Welding of Dissimilar Materials

SOFTWARE FEATURES

- Powerful, user-friendly Windows® based job editor
- WYSIWYG “what-you-see-is-what-you-get” editing
- Easy to import graphics
- Multi language support
- Advanced DXF filter with process optimization
- Password protected security lockout
- Windows 10 compatible

MARK TYPES

- Line-art graphics: CAD, line-drawings, logos
- Shaded graphics: photos, halftones & grayscale artwork
- TrueType® fonts, filled or outline-only
- Single point or drill object arrays
- 1D and 2D (Data Matrix and QR code) barcodes
- MS AutoDate, MS TextMerge, serialization, and barcode

TrueType® is a registered trademark of Apple, Inc.

Accepted file types: .dxf, .dwg, .plt, .emf, .wmf, .bmp, .jpg, .gif, .cdr and .ai



View of workspace including Z and rotary axis, fume extraction, and optical breadboard.

TECHNICAL SPECIFICATIONS

Electrical	Single phase, 90 -130 VAC/180 - 260 VAC, 50/60 Hz, 10 A
Standard lens options	f-theta - 100 mm, 160 mm, 254 mm, 330 mm, 420 mm
Laser protection class	CDRH Class 1
Software	WinLase®**
Available lasers	All LM-F fiber lasers (10 - 70 W)
Motion options*	Z, Rotary, XY table
Axis types	Programmable Z, direct drive rotary, XY

*System has standard programmable Z-jog. Programmable XY and/or rotary axes (control through marker motion in WinLase® marking software) are optional.

**WinLase® is a registered trademark of Alase Technologies

WORK PIECE SPECIFICATIONS	WL-P300
Size* (W x D x H)	100 mm lens** - 12 in x 12 in x 13.9 in (300 mm x 300 mm x 354 mm) 160 mm lens** - 12 in x 12 in x 10.9 in (300 mm x 300 mm x 276 mm) 254 mm lens** - 12 in x 12 in x 8.4 in (300 mm x 300 mm x 213 mm) 330 mm lens** - 12 in x 12 in x 4.7 in (300 mm x 300 mm x 121 mm) 420 mm lens*** - 12 in x 12 in x 3.3 in (300 mm x 300 mm x 82 mm) ** Part size with XY table configuration ***Part size without XY table configuration
Rotary part size	Up to 2.5 in (60 mm) diameter

*Depends on lens selection and motion configuration

WEIGHT & DIMENSIONS

Dimensions (W x D x H)	Enclosure only	Enclosure with stand*
Enclosure closed	33.3 in x 34.3 in x 41.8 in (847 mm x 871 mm x 1062 mm)	33.3 in x 38.4 in x 69.6 in (847 mm x 974 mm x 1767 mm)
Enclosure open	33.3 in x 34.3 in x 58.4 in (847 mm x 871 mm x 1484 mm)	33.3 in x 38.4 in x 86.2 in (847 mm x 974 mm x 2189 mm)
Weight	200 lb (90.7 kg)	250 lbs (113.4 kg)

* Dimensions do not include ergo arm with 38" radius.

CE



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