



WL-100A

Laser Workstation

AMADA WELD TECH's WL-100A is a highly configurable, compact unit designed for lean manufacturing and offering the widest range of marking capability in its class.

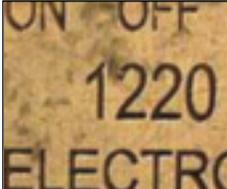
Standard options include a rotary stage to tailor the machine to your specific process.

Integrated with AMADA WELD TECH's popular LM-F Series fiber markers, this unit has the same GUI and interface for easy transfer from prototype to production phase.

KEY FEATURES

- Compact, workstation designed for benchtop operation – minimal workspace needed
- Fast and precise motorized Z-axis for easy focus adjustment (programmable axis optional)
- Easy access to parts and tooling
- Large viewing window for easy mark monitoring
- F-Theta 100 mm, 160 mm and 254 mm lens options for marking various parts and sizes
- Fume extraction port with flexible tubing
- Compact, motorized rotary axis for marking cylindrical parts (optional)
- M6 pattern mounting base plate for easy part fixturing
- Integrated with AMADA WELD TECH's industrially proven LM-F Series Fiber Laser Markers (10-70 W)
- Communication Protocols: RS-232, EtherNet/IP™, Ethernet TCP/IP, Digital

TYPICAL APPLICATIONS

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

SOFTWARE FEATURES

- Powerful, user-friendly Windows®* based job editor
- Easy to import graphics
- Multi language support
- Advanced DXF filter with process optimization
- Password protected security lockout
- Touch screen GUI Enabled
- Windows 10 compatible

*Windows is a registered trademark of Microsoft Corp.

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.



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

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

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
Laser protection class	CDRH Class 1
Software	WinLase®**
Available markers	All LM-F Series fiber laser markers (10 - 70 W)

AXES	WL-100A
Options*	Z, Rotary
Axes types	Manual Z-jog, programmable Z, direct drive rotary

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

**WinLase® is a registered trademark of Lanmark Controls, Inc.

WORK PIECE SPECIFICATIONS	WL-100A
Size* (H x W x D)	100 mm - 10 in x 8 in x 8 in (250 mm x 200 mm x 200 mm) 160 mm - 8 in x 8 in x 8 in (200 mm x 200 mm x 200 mm) 254 mm - 3.8 in x 8 in x 8 in (98 mm x 200 mm x 200 mm)
Rotary part size	Up to 2.5 in (60 mm) diameter

*Depends on lens selection

WEIGHT & DIMENSIONS

Dimensions (L x W x H) - Enclosure closed - Enclosure fully opened	31.2 in x 17.4 in x 33.9 in (814.5 mm x 441.1 mm x 860.8 mm) 31.2 in x 17.4 in x 52 in (814.5 mm x 441.1 mm x 1320.8 mm)
Weight	150 lb (68 kg)



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