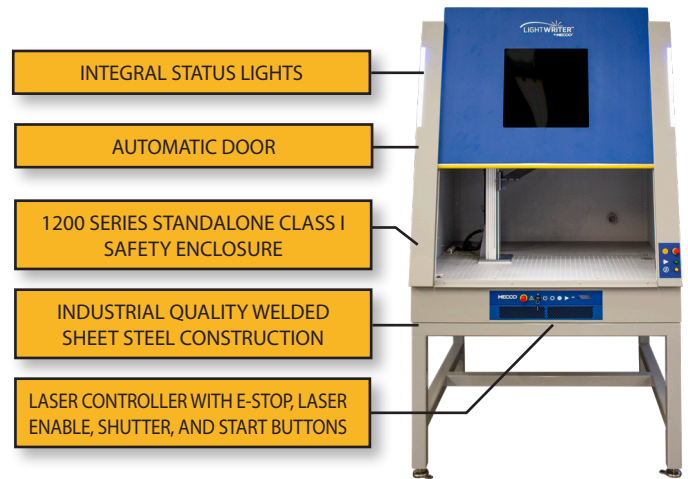# MECCO®

LIGHTWRITER™

LARGE FLOOR MODEL: A1200

Fiber laser marking workstation with pneumatic door. Its software and compact design allow for automated systems to be easily integrated into its marking processes, allowing you to maximize your throughput.

FEATURES

» Sturdy industrial quality welded sheet steel safety enclosure
» Easy setup and operation
» Class I enclosure with safety interlocks
» User-friendly WinLase® software
» Low power consumption
» 16" x 16" laser-safe viewing window
» 31" x 23" Workplate with ¼" - 20 tapped holes on 1" centers
» Ethernet port for PC connection
» Programmable Z axis
» Class IV Switch allows operation with door and side panels removed
» Rotary options available

INTEGRAL STATUS LIGHTS

AUTOMATIC DOOR

1200 SERIES STANDALONE CLASS I SAFETY ENCLOSURE

INDUSTRIAL QUALITY WELDED SHEET STEEL CONSTRUCTION

LASER CONTROLLER WITH E-STOP, LASER ENABLE, SHUTTER, AND START BUTTONS

TECHNICAL SPECIFICATIONS

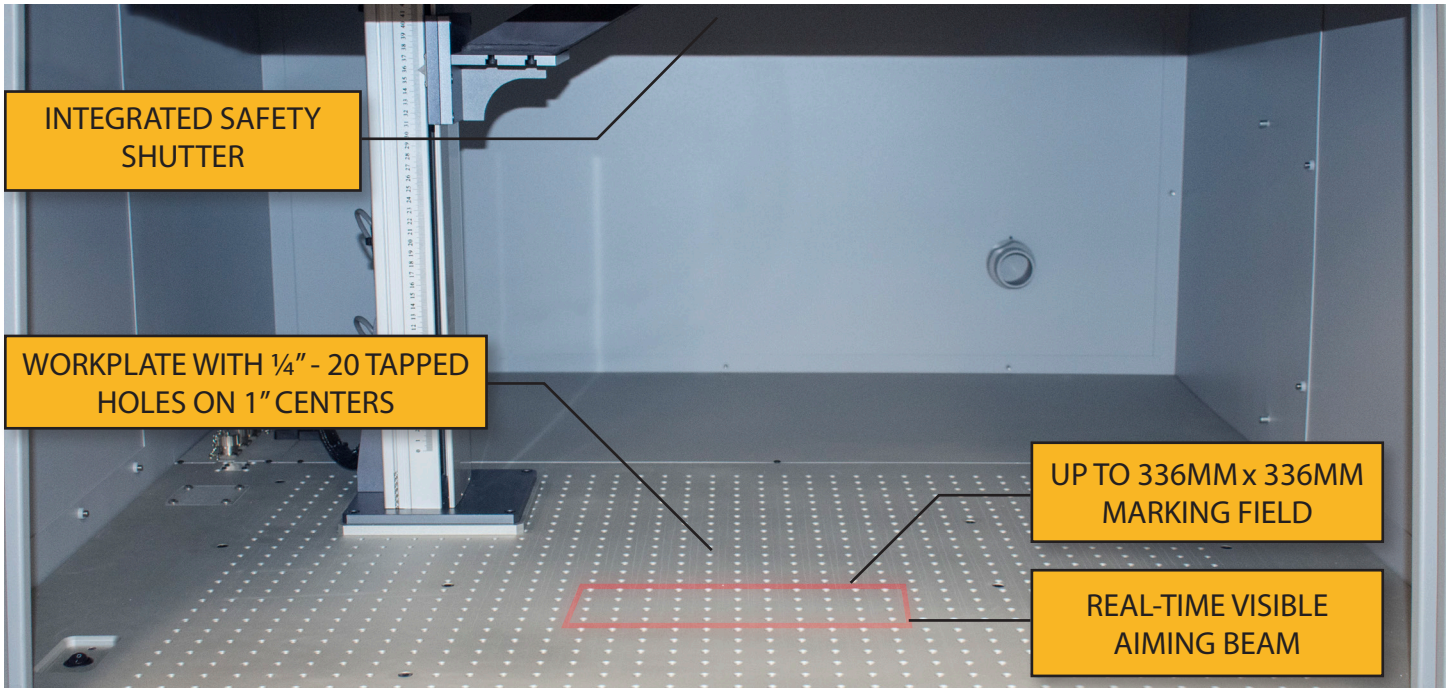|	
System Dimensions	W 1219mm x H 2179mm x D 1345mm W 48.0" x H 53.0" x D 85.8"
Max Part Size*	W 39.37" x D 41.34" W 1000mm x D 1050mm
Standard Marking Field: 160mm lens	4.4" x 4.4" Mark Area / 23.0" Max Part Marking Height 111.1mm x 111.1mm Mark Area / 584.2mm Max Part Marking Height
Marking Field Upgrades: 254mm lens	7.0" x 7.0" Mark Area / 18.25" Max Part Marking Height 177.1mm x 177.1mm Mark Area / 463.55mm Max Part Marking Height
Marking Field Upgrades: 330mm lens	9.1" x 9.1" Mark Area / 15.0" Max Part Marking Height 230mm x 230mm Mark Area / 381mm Max Part Marking Height
Marking Field Upgrades: 420mm lens	13.2" x 13.2" Mark Area / 10.0" Max Part Marking Height 336.1mm x 336.1mm Mark Area / 254mm Max Part Marking Height
Laser Source	Fiber (20W-50W) VP MOPA Fiber (20W, 100W, 200W) Green (20W) UV (3W)
Power Requirements	110/220VAC, 10/5A, 50/60Hz
Wavelength	1064nm
Frequency Range (kHz)	Fiber: 1-588 kHz VP MOPA Fiber: 1-4000 kHz
Pulse Duration (ns)	200 ns
Operation Temperature Range	32-97⁰F / 0-36⁰C
Cooling	Air
Aiming Beam	Class II Red Diode (635 nm)
PC	Required
PC Connection	Ethernet
Air Requirements	70-80 psi / 5 Bar
Software	WinLase Software

3D models are available at www.mecco.com/support-resources
*Measurements of Length and Width for parts to fit through door opening. Both Measurements cannot be met at the same time.

MACHINE INTERIOR

INTEGRATED SAFETY SHUTTER

WORKPLATE WITH ¼" - 20 TAPPED HOLES ON 1" CENTERS

UP TO 336MM x 336MM MARKING FIELD

REAL-TIME VISIBLE AIMING BEAM

LENS OPTIONS

Our high quality lenses are available in multiple configurations for this laser systems to meet the needs of your marking area.

FIBER AND VP MOPA FIBER LASER LENSES

Focal Length	Marking Field
160mm	111mm x 111mm (4.4" x 4.4")
254mm	177mm x 177mm (7.0" x 7.0")
330mm	230mm x 230mm (9.1" x 9.1")
420mm	336mm x 336mm (13.2" x 13.2")

GREEN LASER LENSES

Focal Length	Marking Field
160mm	122mm x 122mm (5.0" x 5.0")
255mm	200mm x 200mm (8.1" x 8.1")
330mm	263mm x 263mm (10.3" x 10.3")
420mm	345mm x 345mm (13.5" x 13.5")

100W & 200W FIBER LASER LENSES

Focal Length	Marking Field
163mm Fused Silica	112mm x 112mm (4.4" x 4.4")
254mm Fused Silica	160mm x 160mm (6.3" x 6.3")
350mm Fused Silica	220mm x 220mm (8.6" x 8.6")
450mm Fused Silica	320mm x 320mm (12.6" x 12.6")

UV LASER LENSES

Focal Length	Marking Field
170mm	112mm x 112mm (5.0" x 5.0")
255mm	190mm x 190mm (8.0" 8.0")

GET A QUOTE

Order your LightWriter laser marking workstation today.

INDUSTRY-LEADING MECCO SUPPORT

Learn about our expert support, fast service, free sample marking, and more.

MECCO®