

laser marking

LMF Series Yb: Fiber Laser Marker

- High speed, high contrast marks on metals and plastics
- Compact, air-cooled, robust design
- PC, touchscreen, stand alone or pendant operation
- Rotary and XYZ motion options
- Marking software options



TYPICAL APPLICATIONS



Medical tools & instruments



Implantable devices



Automotive direct part mark



Electrical components



Plastic housings



Plastic components

- **High speed contrasting marks on plastics** – A Q-switch frequency range of 2 - 500kHz maximizes mark speed and contrast
- **Anneal and engrave metals** – High beam quality and high peak power maximize speed and depth
- **Compact, robust design** – Small footprint and 19" rack power supply allow easy integration
- **Flexible operation** – Tailor operation for specific needs: PC, touchscreen, stand alone or pendant
- **Marking software options** – Standard Windows®-based software with options for other full featured control programs
- **Rotary and XYZ integrated motion** – Circumferential marking, step and repeat in rotary or XYZ
- **Network/Server Connectivity** – Network single or multiple workstations via LAN

LMF1000 & 2000 SPECIFICATIONS

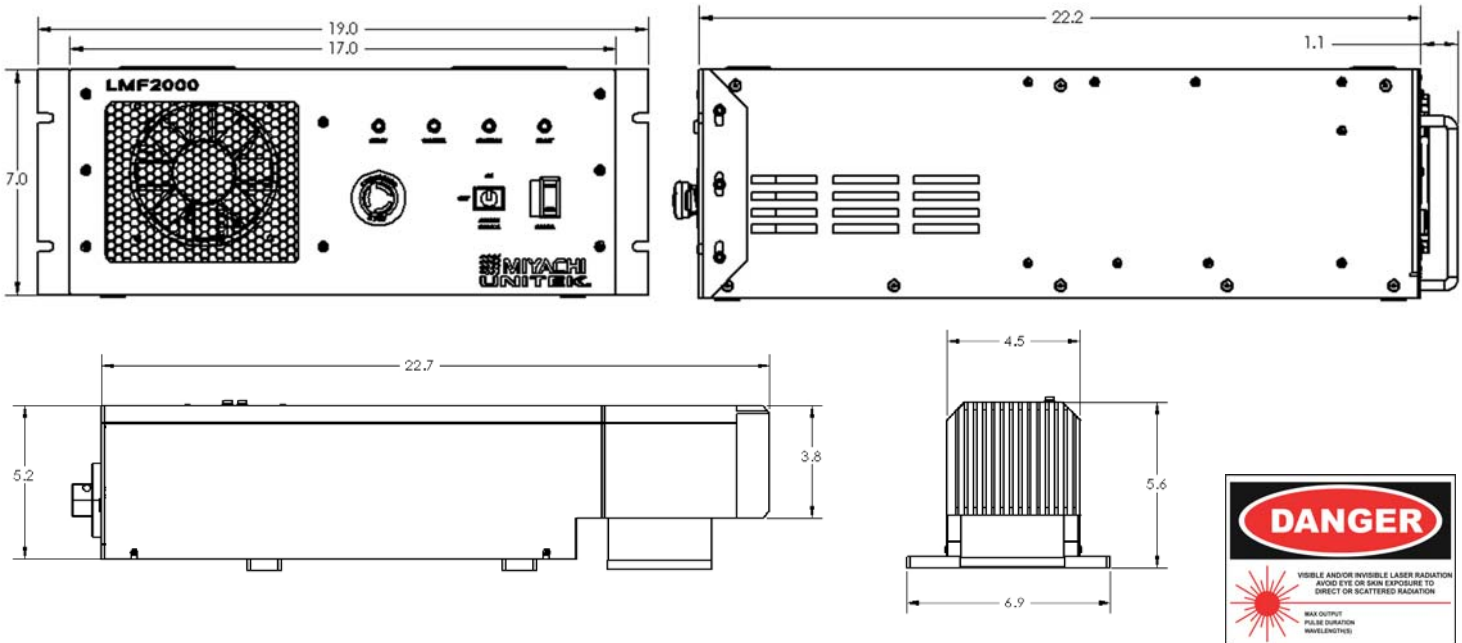
	F-O Output Lens				
	100mm	160mm	163mm	254mm	420mm
Field Size: Inches (mm)	2.42 x 2.42 (62 x 62)	3.89 x 3.89 (99 x 99)	4.52 x 4.52 (115x115)	6.18 x 6.18 (157 x 157)	11.44 x 11.44 (291 x 291)
Working Distance: Inches (mm) *	3.86 ± .04 (98 ± 1)	6.89 ± .08 (175 ± 2)	7.28 ± .08 (185 ± 2)	11.77 ± .12 (299 ± 3)	19.45 ± .20 (494 ± 5)
Mounting distance: Inches (mm)**	4.25± .04 (108 ± 1)	6.89 ± .08 (175 ± 2)	7.08 ± .08 (180 ± 2)	12.90 ± .12 (327 ± 3)	20.75 ± .20 (527 ± 5)
Lens Diameter: Inches (mm)	3.54" (90)	3.54" (90)	4.3" (109)	4.72" (120)	4.72" (120)
Wavelength	1064nm ± 5nm				
Power / Q-switch:	10W(LMF1000) & 20W(LMF2000) 1 – 100kHz / 20W(LMF2000-HP) CW, 1 – 500 kHz				
Pump Source:	Laser diode				
AC Power Requirements:	Single phase, 90-130 VAC/180-260 VAC, 50/60 Hz, 10A				
Environment: Ambient Temperature	40-95 F (5-35 C)				
Relative Humidity	Less than 90% RH (Non-condensing)				
Minimum Character Height:	0.005" (125 micron)				
Guide Laser	Yes (630-650nm)				

*Working distance is the distance from the focus point of the lens to the lens assembly

**Mounting distance is the distance from the focus point of the lens to the mounting brackets

PHYSICAL CHARACTERISTICS

	Power Supply	Laser Head
Footprint: Inches (mm) W x D x H	17 x 22.2 x 7 (432 x 564 x 179)	4.5 x 22.7 x 5.6 (114 x 577 x 142)
Weight: Lbs. (Kg)	49 (22.3)	17 (7.7)



Your Local Representative

Spirit Of Innovation.

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