

laser marking

LMV700

Nd:YVO₄ Laser Marker (Vanadate)

- High speed, fine marking of metals and plastics
- Lowest marking cost per watt of laser power
- Single phase power, 100 to 240V
- Air cooled
- Very small footprint
- Workstations and accessories available



Miyachi Unitek's LMV700 diode pumped laser marker is specifically designed as a cost-effective high quality marker. The marker is configured with a single expander and focus lens combination selected to cover most marking applications, and two software options that offer basic alphanumeric marking as well as more advanced marking functions.

LMV700 employs end pumping technology which offers a number of advantages, including increased lasing efficiency, higher peak power density, shorter Q-switch pulse durations, and better beam quality. The result is a smaller spot size, finer line thickness and smaller character or feature sizes.

Marking Styles

- Alphanumeric, logos, graphics, bar codes, 2D codes
- Single stroke fonts
- TrueType® fonts

Marking Applications

The LMV700 marks carbon and stainless steels, bare and anodized aluminum, ABS, lexan, titanium, automotive and other plastics, and more...

TYPICAL APPLICATIONS



Contrast marking on plastics



Anodized aluminum



Back lit displays and day/night switches



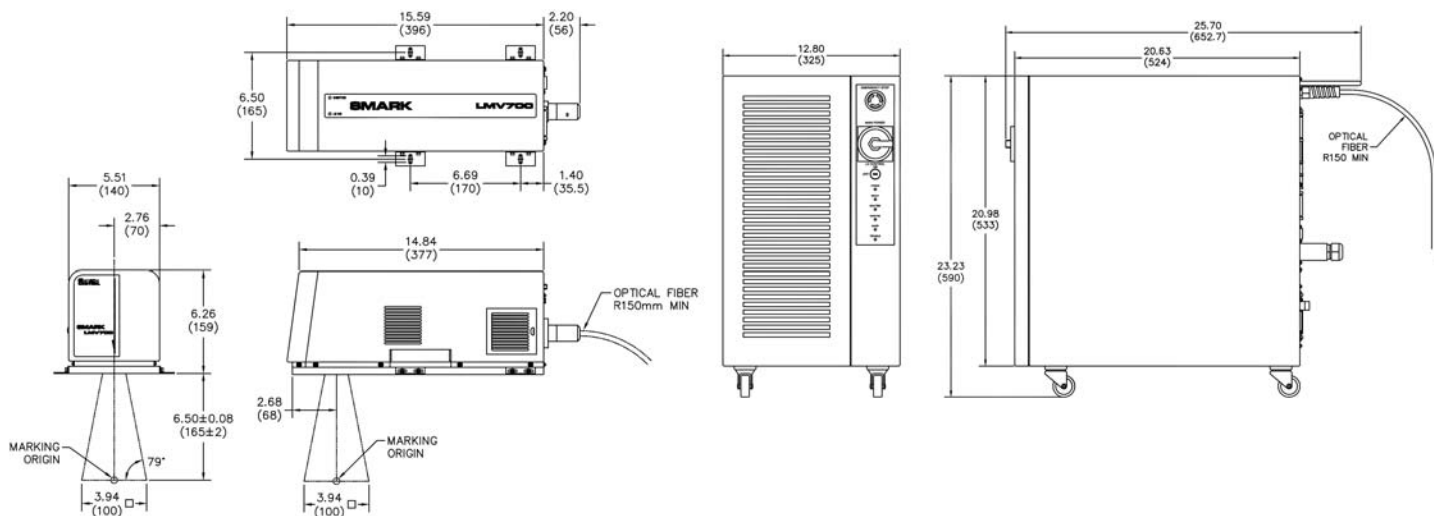
High contrast metal marking

LMV700 Nd:YVO₄ SPECIFICATIONS

F-θ Output Lens	160mm
Field Size: Inches (mm)	3.94 x 3.94 (100 x 100)
Working Distance: Inches (mm)	6.50 ± .08 (165 ± 2)
Power / Q-switch:	7 W (CW) 0.1 to 199.9 kHz pulse frequency
Pump Source:	Laser diode, end pumped
AC Power Requirements:	Single phase, 100-240 VAC, 50/60 Hz, 10A
Environment: Ambient Temperature	68 ± 27°F (20 ± 15°C)
Relative humidity	40% – 80% RH (Non-condensing)
Minimum Character Height:	0.008" (0.2 mm)

PHYSICAL CHARACTERISTICS

	Power Supply	Laser Head
Footprint: Inches (mm) W x D x H	12.8 x 20.6 x 23.2 (325 x 524 x 590)	5.5 x 15.6 x 6.26 (140 x 396 x 159)
Weight: Lbs. (Kg)	66.1 (30)	20.9 (9.5)



Your Local Representative

Spirit Of Innovation.

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