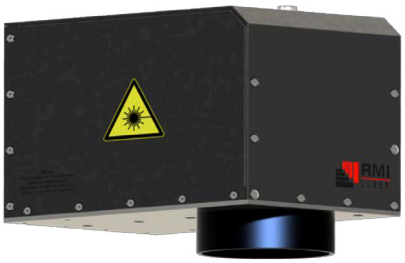
Fiber Laser Marking Series



Laser Marker Head

Controller

Class I Workstation

Description

With power levels ranging from 20-50 watts, RMI Laser's Fiber Laser Marking Laser Series is the most powerful laser marking machine series we offer. They are ideal when your laser marking requires depth (etching or engraving) onto harder metals or when you need higher powered systems with a smaller spot size for the highest resolution. The high beam quality and small spot sizes with larger lenses allows it to be used for smaller component batch marking applications or the cutting of very thin metals. The Fiber Laser Marking Laser Series is virtually maintenance free, comes with an industry leading warranty, and RMI Laser's world class support.

Benefits

- High beam quality, small spot size and large lens are ideal for small components
- Ideal for very thin metals & hard metals (Rockwell Hardness >50)
- Etch or engrave beyond .001" depth
- Engineered for maximum uptime, virtually maintenance free
- Highest Power Laser Options, up to 50 Watts
- Backed by industry leading 3-year warranty, world-class support, and a convenient laser system loaner program to enable you to remain productive when your system needs repair

Improves Efficiency

RMI Fiber Lasers are designed for maximum efficiency. With no internal optical assemblies and a fanless marker head, the UF-Series requires no maintenance for maximum uptime in the harshest of conditions.

Plug and Play

With our Class I Enclosures and professional installation, setting up your RMI Laser is simple and easy. Experience out-of-the-box and marking in less than an hour!

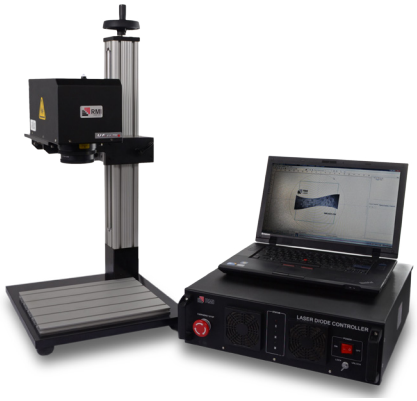
Marking Samples

Fiber Laser Marking System

	EF-20	UF-20	EF-30	UF-30	UF-50
Laser Source Built-in	Yb-doped Fiber Laser	Yb-doped Fiber Laser	Yb-doped Fiber Laser	Yb-doped Fiber Laser	Yb-doped Fiber Laser
Wavelength	1064 nm	1064 nm	1064 nm	1064 nm	1064 nm
Laser Source Output	20 W equivalent CW Power	20 W equivalent CW Power	30 W equivalent CW Power	30 W equivalent CW Power	50 W equivalent CW Power
Peak Power	1 mJ	1 mJ	1 mJ	1 mJ	1 mJ
Pulse width	120 ns, 20 ~ 60 kHz	100 ns, 2 ~ 200 kHz	120 ns, 30 ~ 60 kHz	100 ns, 2 ~ 200 kHz	120 ns, 2 ~ 200 kHz
Warranty	2 year	3 year	2 year	3 year	3 year
100mm F-Theta Lens: Beam Spot Diameter Max Marking Area	~15 µm 65 x 65 mm 2.56 x 2.56 in.	~15 µm 65 x 65 mm 2.56 x 2.56 in.	~15 µm 65 x 65 mm 2.56 x 2.56 in.	~15 µm 65 x 65 mm 2.56 x 2.56 in.	~15 µm 65 x 65 mm 2.56 x 2.56 in.
163mm F-Theta Lens: Beam Spot Diameter Max Marking Area	~20 µm 105 x 105 mm 4.13 x 4.13 in.	~20 µm 105 x 105 mm 4.13 x 4.13 in.	~20 µm 105 x 105 mm 4.13 x 4.13 in.	~20 µm 105 x 105 mm 4.13 x 4.13 in.	~20 µm 105 x 105 mm 4.13 x 4.13 in.
254mm F-Theta Lens: Beam Spot Diameter Max Marking Area	~30 µm 160 x 160 mm 6.3 x 6.3 in.	~30 µm 160 x 160 mm 6.3 x 6.3 in.	~30 µm 160 x 160 mm 6.3 x 6.3 in.	~30 µm 160 x 160 mm 6.3 x 6.3 in.	~30 µm 160 x 160 mm 6.3 x 6.3 in.
330 mm F-Theta Lens: Beam Spot Diameter Max Marking Area	~50 µm 200 x 200 mm 7.7 x 7.7 in.	~50 µm 200 x 200 mm 7.7 x 7.7 in.	~50 µm 200 x 200 mm 7.7 x 7.7 in.	~50 µm 200 x 200 mm 7.7 x 7.7 in.	~50 µm 200 x 200 mm 7.7 x 7.7 in.
420 mm F-Theta Lens: Beam Spot Diameter Max Marking Area	~60 µm 254 x 254 mm 10 x 10 in.	~60 µm 254 x 254 mm 10 x 10 in.	~60 µm 254 x 254 mm 10 x 10 in.	~60 µm 254 x 254 mm 10 x 10 in.	~60 µm 254 x 254 mm 10 x 10 in.
Lenses available (focal length)	100, 163, 254, 330, 420 mm	100, 163, 254, 330, 420 mm	100, 163, 254, 330, 420 mm	100, 163, 254, 330, 420 mm	100, 163, 254, 330, 420 mm
Cooling System	Air-cooled				
Operational Temp Range*	~10 - 40 ˚C (~50 – 104 ˚F)				
Operational Humidity Range*	80% non-condensing				
Weight	5.0 kg (11 lbs)				

Fiber Laser Configuration Options

- Available with 100 mm, 163 mm, 254 mm, 330 mm, or 420 mm F-Theta Lenses
- 20, 30, & 50 Watt Models
- Class IV or Class I Configurations
- Plug and Play Rotary Chuck Adaptation



Class IV Setup

106 Laser Dr. #2
Lafayette, CO 80026
(303) 664-9000
www.rmilaser.com

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