

Deep Engraving & Marking
20w/30w/50w Options
Low Maintenance

UF-SERIES *Fiber*



**Easy Operation
Extensive Capabilities**

Stand Alone Class 1 Safety Enclosures

Designed for applications requiring marking onto very hard metals, or for marking applications that require etching or engraving.

The Fiber Laser Marking Systems are ideal when your application requires higher output powers with a smaller spot size and a virtually maintenance free operation. The high beam quality and small spot size with larger lenses allows it to be used for smaller component batch marking applications, the cutting of very thin metals, and to achieve depth into harder metals like titanium, inconel, or tool steel.

If your marking application or

specification calls for marking depth, the UF-Series is your laser of choice. The UF-Series is available in 20 watts, 30 watts, and 50 watts with an industry leading complete 3 year warranty.

There are lots of choices when it comes to Fiber Laser Systems, but RMI's decades of high quality optics and optomechanical design experience have allowed us to develop one of the best systems on the market today.



Included data matrix generation software allows for any syntax or specific part information to be easily coded.

Parts can be individually serialized for easy identification.



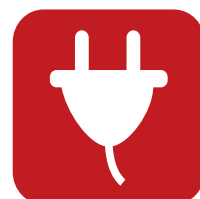
Readable barcodes created on some of the hardest substrates.

Traceability is easier than ever with all of RMI's direct metal marking solutions.



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. Out of the box and marking in less than an hour!

Laser marking systems

Class 1 enclosures

	UF-20	UF-30	UF-50
Peak Power or Pulse Energy	1mJ	1mJ	1mJ
Wavelength	1064nm	1064nm	1064nm
Q-Switch Pulse Width	100ns, 20~200kHz	100ns, 30~200kHz	120ns, 50~200kHz
Max Marking Areas/ F-Theta Lenses			
100mm	65 x 65 mm	65 x 65 mm	65 x 65 mm
<i>Working Distance</i>	100 +/- 2 mm	100 +/- 2 mm	100 +/- 2 mm
163mm	105 x 105 mm	105 x 105 mm	105 x 105 mm
<i>Working Distance</i>	186 +/- 3 mm	186 +/- 3 mm	186 +/- 3 mm
254mm	160 x 160 mm	160 x 160 mm	160 x 160 mm
<i>Working Distance</i>	290 +/- 5 mm	290 +/- 5 mm	290 +/- 5 mm
330 mm	-	200 x 200 mm	200 x 200 mm
<i>Working Distance</i>	-	387 +/- 8mm	387 +/- 8mm
420mm	-	300 x 300 mm	300 x 300 mm
<i>Working Distance</i>	-	495 +/- 10 mm	495 +/- 10 mm
Operational Temp Range	50 – 104°F 10 - 40°C	50 – 104°F 10 - 40°C	50 – 104°F 10 - 40°C
Operational Relative Humidity	80%, non-condensing	80%, non-condensing	80%, non-condensing

Marking Head	
Weight, w/out F-Theta Lens	11.0 lbs / 5.0 kg
Dimensions LxWxH(mm)	260 x 149 x 141
Controller	
Power Source (single phase)	AC 100-240V, 50-60Hz
Consumption Power	400W
Weight (with 2m cables)	14kg
Dimensions LxWxH(mm)	464 x 441 x 142.4



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