



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







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.



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

Lenses 100mm 65 x 65 mm 65 x 65 mm 65 x 65 mm LxWxH(mm) Working Distance 100 +/- 2 mm 100 +/- 2 mm 100 +/- 2 mm 163mm 105 x 105 mm 105 x 105 mm 105 x 105 mm 105 x 105 mm Working Distance 186 +/- 3 mm 186 +/- 3 mm 186 +/- 3 mm 186 +/- 3 mm Working Distance 290 +/- 5 mm 290 +/- 5 mm 290 +/- 5 mm Working Distance 290 +/- 5 mm 290 +/- 5 mm 290 +/- 5 mm Working Distance 290 +/- 5 mm 290 +/- 5 mm 290 +/- 5 mm Working Distance 290 +/- 5 mm 290 +/- 5 mm 290 +/- 5 mm Working Distance 290 +/- 5 mm 290 +/- 8 mm Working Distance 387 +/- 8 mm 387 +/- 8 mm 100 x 160 mm 160 x 160 mm 160 x 160 mm 290 +/- 5 mm 290		UF-20	UF-30	UF-50		
Q-Switch Pulse Width 100ns, 20~200kHz 100ns, 30~200kHz 120ns, 50~200kHz Marking Head Max Marking Areas/ F-Theta Lenses Weight, w/out F-Theta Lens Dimensions LxWxH(mm) 11.0 lbs / 5.0 lbs		1mJ	1mJ	1mJ		
Width 20~200kHz 30~200kHz 50~200kHz Marking Head Max Marking Areas/ F-Theta Lenses Weight, w/out F-Theta Lens 11.0 lbs / 5.0	Wavelength	1064nm	1064nm	1064nm		
Areas/ F-Theta Lenses F-Theta Lens The loss / 5.0 cm 100mm 65 x 65 mm 65 x 65 mm 65 x 65 mm LxWxH(mm) 260 x 149 x 163mm 105 x 105 mm 100 +/- 2 mm 100 +/- 2 mm 100 +/- 2 mm Controller 163mm 105 x 105 mm 105 x 105 mm 105 x 105 mm Power Source (single phase) AC 100-240 (single phase) 254mm 160 x 160 mm 160 x 160 mm 160 x 160 mm 160 x 160 mm Consumption Power 330 mm - 290 +/- 5 mm 290 +/- 5 mm 290 +/- 5 mm Weight (with 2m cables) 14kg 420mm - 387 +/- 8mm 387 +/- 8mm Dimensions LxWxH(mm) 464 x 441 LxwxH(mm) 142.4					Marking Head	
100mm 65 x 65 mm 65 x 65 mm 65 x 65 mm 65 x 65 mm LxWxH(mm) Working Distance 100 +/- 2 mm 100 +/- 2 mm 100 +/- 2 mm Controller 163mm 105 x 105 mm 105 x 105 mm 105 x 105 mm Power Source (single phase) AC 100-240 (single phase) 254mm 160 x 160 mm 160 x 160 mm 160 x 160 mm 160 x 160 mm Consumption Power Working Distance 290 +/- 5 mm 290 +/- 5 mm 290 +/- 5 mm Weight (with 2m cables) Working Distance 387 +/- 8mm 387 +/- 8mm 387 +/- 8mm LxWxH(mm) 420mm 300 x 300 mm 300 x 300 mm LxWxH(mm) 464 x 441 LxWxH(mm) 142.4	Areas/ F-Theta				F-Theta Lens	11.0 lbs / 5.0 kg
163mm 105 x 105 mm 105 x 105 mm 105 x 105 mm 105 x 105 mm Power Source (single phase) AC 100-240 (single phase) 254mm 160 x 160 mm 160 x 160 mm 160 x 160 mm 160 x 160 mm Consumption Power 400W 330 mm - 290 +/- 5 mm 290 +/- 5 mm Weight (with 2m cables) 14kg Working Distance - 387 +/-8mm 387 +/-8mm Dimensions LxWxH(mm) 464 x 441 420mm - 495 +/-10 mm 495 +/-10 mm 50 - 104°F 50 - 104°F 50 - 104°F Operational Temp Range 10 - 40°C 10 - 40°C 10 - 40°C 10 - 40°C						260 x 149 x 14°
Working Distance 186 +/- 3 mm 186 +/- 3 mm 186 +/- 3 mm (single phase) 50-60Hz 254mm 160 x 160 mm 160 x 160 mm 160 x 160 mm 160 x 160 mm Consumption Power 400W 330 mm - 290 +/- 5 mm 290 +/- 5 mm Weight (with 2m cables) 14kg Working Distance - 387 +/- 8mm 387 +/- 8mm Dimensions LxWxH(mm) 464 x 441 Working Distance - 495 +/- 10 mm 495 +/- 10 mm LxWxH(mm) 142.4 Operational Temp Range 50 - 104°F 50 - 104°F 50 - 104°C 10 - 40°C 10 - 40°C						
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Working Distance - 387 +/- 8mm 387 +/- 8mm 200 x 200 mm 200 x 200 mm 2m cables) 420mm - 300 x 300 mm 300 x 300 mm Dimensions LxWxH(mm) 464 x 441 Working Distance - 495 +/- 10 mm 495 +/- 10 mm Operational Temp Range 50 - 104°F 50 - 104°F 50 - 104°F Temp Range 10 - 40°C 10 - 40°C 10 - 40°C					Power	400W
420mm - 300 x 300 mm 300 x 300 mm LxWxH(mm) 464 x 441 Working Distance - 495 +/- 10 mm 495 +/- 10 mm Operational Temp Range 50 - 104°F 50 - 104°F 50 - 104°F 10 - 40°C 10 - 40°C 10 - 40°C						14kg
Temp Range 10 - 40°C 10 - 40°C 10 - 40°C	420mm		300 x 300 mm	300 x 300 mm		464 x 441 x 142.4
Operational Rel- 80%, non-con- 80%, non-con- 80%, non-con-						
ative Humidity densing densing						



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