



Marking Versatility  
10W / 20W Power Levels  
Plug and Play Design

***U-SERIES*** *Nd:YVO<sub>4</sub>* 

# U-SERIES $Nd:YVO_4$



**Easy Operation  
Extensive Capabilities**

## **Stand Alone Class 1 Safety Enclosures**

Designed to fit into a variety of configurations and production environments, the U-Series provides users the ability to direct part mark without concern for surface damage or structural degradation.

The U-Series Laser Marking Systems are ideal for production environments where easy integration and low maintenance are the keys to maximum uptime and high productivity.

The U-Series provides users the ability to direct part mark without concern for surface damage, structural degradation, recasting, or stress risers. Ideal for surface annealing of metals, ablation of coated substrates, or color changing of plastics.

As with all RMI Lasers, the U-Series is ultra-compact and designed to fit into a variety of configurations.

The U-Series is available in 10 watts and 20 watts with an industry leading complete 3 year warranty.



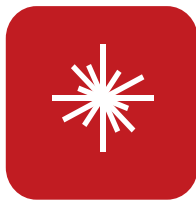
Our software can create data matrices and serialized alpha-numerics for indelible part identification.

High contrasting easy to read laser marking on a variety of materials.



Graphics and custom text are easy to apply and can be created or imported to SW Pro, our included software.

Our marking systems can give you better options for traceability and compliance.



## Tested Design

Our in house engineers have spend years perfecting the U-Series hardware and it's software. This gives us great confidence in the capabilities of our systems and in showing you how they can give you great ROI.



## Versatility

The U-Series has a wide range of capabilities making it a great choice for almost any production environment. Let RMI Laser show you how our markers can benefit you.

# Laser marking systems

## Class 1 enclosures

	U-10	U-20
<b>Peak Power or Pulse Energy</b>	≤ 75 kW	≤ 200 kW
<b>Wavelength</b>	1064 nm	1064 nm
<b>Q-Switch Pulse Width</b>	~10ns @ 10kHz	~10ns @ 10kHz
<b>F-Theta Lenses / Max Marking Areas</b>		
<b>100mm</b>	65 x 65 mm	65 x 65 mm
<i>Working Distance</i>	100 +/- 2 mm	100 +/- 2 mm
<b>163mm</b>	105 x 105 mm	105 x 105 mm
<i>Working Distance</i>	186 +/- 3 mm	186 +/- 3 mm
<b>254mm</b>	160 x 160 mm	160 x 160 mm
<i>Working Distance</i>	290 +/- 5 mm	290 +/- 5 mm
<b>330 mm</b>	200 x 200 mm	200 x 200 mm
<i>Working Distance</i>	387 +/- 8mm	387 +/- 8mm
<b>420mm</b>	-	300 x 300 mm
<i>Working Distance</i>	-	495 +/- 10 mm
<b>Operational Temp Range</b>	50 – 104°F 10 - 40°C	50 – 104°F 10 - 40°C
<b>Operational Relative Humidity</b>	80%, non-condensing	80%, non-condensing

### Marking Head

<b>Weight, w/out F-Theta Lens</b>	13.2lbs / 6.0kg
<b>Dimensions LxWxH(mm)</b>	229 x 142 x 163
<b>Controller</b>	
<b>Power Source (single phase)</b>	AC 100-240V, 50-60Hz
<b>Consumption Power</b>	<400W
<b>Weight (with 2m cables)</b>	25.6 lbs / 11.6kg
<b>Dimensions LxWxH(mm)</b>	455 x 445 x 135



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