

# MFP

## 10W~70W

### Q-Switch Pulsed Fiber Laser



## Product Feature



### Excellent Single Pulse Energy

Higher single pulse energy makes our laser applicable to more types of materials and applications



### New Compact and Rugged Design

>40% reduction in volume  
Higher flexibility when integrated into system



### Wide Application Even with Highly Reflective Material

High performance isolator effectively reduces reflection damage to the laser source  
Smoothly marking on aluminum, copper and brass etc



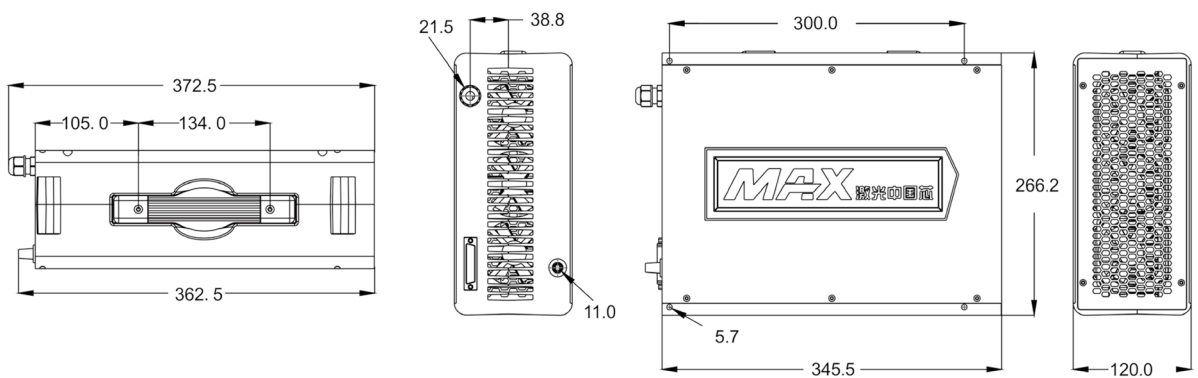
### High Level Vertical Integration

All key components are designed and produced in house  
Strict quality control, high consistency and reliability

## MFP 10W~70W Fiber Laser Specifications

Models	MFP-10W	MFP-20W	MFP-30W	MFP-50W	MFP-70W
<b>OPTICAL SPECIFICATIONS</b>					
Nominal Power	10W	20W	30W	50W	70W
Mode of Operation	Pulsed				
Polarization	Random				
Power Tunability	10 to 100%				
Wavelength	1064 ± 5 nm				
Power Stability	≤ 5 %				
Laser Beam Quality M <sup>2</sup>	1.5				1.8
Pulse Energy	0.45mJ	1mJ	1~1.2mJ	1~1.5mJ	1.4 mJ@50 kHz
Pulse Duration	90~110 ns				100~140 ns
Repetition Rate	22~50kHz	20~80kHz	30~60kHz	33~80kHz	50~170 kHz
<b>FIBER DELIVERY SYSTEM</b>					
Length	1.9~3m standard, other lengths optional				3m standard, other lengths optional
Beam Diameter	6~9mm				
Beam Ellipticity	90%				
<b>ELECTRICAL RATINGS</b>					
Supply Voltage	24 VDC				
<b>OTHER SPECIFICATIONS</b>					
Operating Temperature	+10 to +42°C				
Storage Temperature	-10 to +60°C				
Humidity	10 to 95%				
Cooling Method	Air Cooling				
Dimension	355×266×120 mm				
Weight	10 kg				12 kg

## Mechanical Specifications (mm)



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