



Habitat MSun Laser

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Split Fiber Laser Marking Machine

Product Overview

Application industries	Jewellery industry, aerospace, engineering machinery, food machinery, textile machinery, tool processing, petroleum machinery, kitchenware, and decoration Ad-vertising.
Material cutting	Stainless steel, carbon steel, alloy steel, spring steel, copper plate, alu-minum plate, gold, silver and other metal and non metal marking.
Optional work size	110*110mm / 200*200mm / 300*300mm /customized
Power	20W,30W,50W,60W,70W,100W

Technical Parameters

Model	50W Fiber Laser Marking Machine
Nominal power	50W
Mode of Operation	Pulsed
Polarization	Random
Power Tunability	10 to 100%
Wavelength	1064 ± 5 nm
Power Stability	≤3 %
Laser Beam Quality M ²	<1.6
Pulse Energy	1 mJ
Pulse Duration	80~100 ns
Repetition Rate	29~81 kHz
Length	1.9~3m standard
Beam Diameter	6~8 mm
Beam Ellipticity	>90%
Minimum character	0.15mm
Support graphic format	DXF, PLT, AI, BMP, JOG, etc.
Resetting position accuracy	±0.001mm
Making speed	≤7000mm/s
Laser module life	100000 hours