

Specification for BSL 2D fiber laser marking machine



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Parameters

Machine Parameter				
Laser Power	60W	100W	200W	300W
Laser source brand	YDFLP-E2-60-M 7-M-R	YDFLP-E2-100-M7- M-R	YDFLP-E2-200-M7- M-R	YDFLP-E-300-M7-M-R
Machine Function	2 In 1 Laser:2.5D deep carving+relief carving+2D Flatbed Mark			
Software	BSL(Support lightburn in 2D mode)			
Galvanometer	F1001			
Control board	DBK5FD02			
F-theta Lens	70/110/175/200/300mm(Optional)			
Compatible system	Windows 7/8/10/11			
Compatible file format	stl.obj.glb.step.stp			
Wavelength	1064nm			
Marking speed	8000mm/s	8000mm/s	8000mm/s	8000mm/s
incident light spot	10mm	10mm	10mm	10mm
Repeat accuracy	≤18urad	≤18urad	≤18urad	≤18urad
Positioning speed	15000mm/s	15000mm/s	15000mm/s	15000mm/s
Maximum scanning angle	±15°	±15°	±15°	±15°
Galvanometer size	125mmx100mmx97.5mm(LWH)			
working temperature	25±10°	25±10°	25±10°	25±10°
Coling Method	Air Coold			
Supply DC Voltage (VDC)	24V	48V		
Maximum Pulse Energy	2mJ	1.5mJ	1.5mJ	1.5mJ
Pulse Duration	2~500ns			
Maximum Power Consumption	>330W	>440W	>830W	>1400W
Environmental Supply Current	>13A	>18A	>14.6A	>27A
Emission Bandwidth @3db	<15nm			
Polarization Orientation	Arbitrary			
Output Beam Diameter	7.0±0.5nm		7.0+1.0nm	