



# Engraving Machines Plus, Corp

7600 Technology Drive, West Melbourne, FL. 32904

TEL: (321) 821-7774 FAX: (321) 821-9431

Email: sales@engravingmachinesplus.com

## Machine Specifications

Product Description	Model No.	Version	Issuing Date
Split Type Fiber Laser Marking Machine	ST50R	1	12/1/2022
Product Photos	Electrical Parameters		
	Rated Voltage	110v	Phases 1
	Frequency	50Hz-60Hz	Circuit 15 amp
	System Information		
	Laser Source	Raycus RFL-P50QB	Laser Output Power 50W
	Controller	JCZ FBLLI-V4 (Lite)	Galvo Head ZBTK 2D 10C
	F-theta Lens	K9,F290 D200x200 (M85) (0-100W)	Frequency Range 50-100kHz
	Pulse Width	120-150ns @ 50Hz	Software Lightburn - Galvo
	Supported OS	WIN 10/11 MAC OS	Supported Formats AI, PDF, DXF, SVG, BMP, GIF, JPEG, PNG, TIFF
	Specifications		
	Laser Wavelength	1064nm	Max Speed 196.85 ips (5000 mm/sec)
Marking Area	7.87" x 7.87" (200x200mm)	Max Height Adjustment 19.96" (500mm)	
Rotary	Optional	Rotary Drive DM542S	
Marking Depth	<=0.4mm Adjustable (subject to material type)	Min Line Width ±0.01mm (subject to material type)	
Safe Temperature and Humidity Range	0~35°C / 10~95%	Cooling System Air Cooled	
Compatible Materials			
Metals: Aluminum, Gold, Silver, Copper, Stainless Steel, Brass, Titanium and Tungsten Nonmetals: Colored Acrylic, Hard Plastics, Brick, Granite, Marble, Tile, Nylon, ABS, Ceramic, River Rock, Precious Stones, Marble, Artificial Leather and Cardboard			
Dimensions & Weight			
Machine Dimensions	22.05" x 21.65" x 26.77" 56CM*55CM*68CM	Machine Weight 99 lbs. / 45KG	
Packaged Dimensions	31.10" x 21.25" x 22.44" 79CM*54CM*57CM	Gross Weight 110 lbs. / 50KG	
Warranty Coverage			
24 months for the entire machine and laser source 12 months for all other electrical components			

### Packing List

1. Fiber Laser Machine Machine x1
2. U Disk (Manuals and Software) x1
3. Power Cable x1
4. Allen Wrench x1
5. Screwdriver x2
6. Positioning Bar (With Screws) x2 (M6 4Pcs)
7. USB Cable x1
8. Color Aluminum Sheet x1
9. Foot Switch x1
10. Protective Glasses x1
11. Locking Wrench