



# Engraving Machines Plus, Corp

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## 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	38.19" x 21.26" x 22.05" 97CM*54CM*56CM	Gross Weight	198 lbs. / 90KG	
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

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