

MT-FP SERIES

FIBER LASER MARKER

MT-FP series fiber laser marker is especially outstanding in the aspect of portability. It is endowed with the features of small volume and easily marking on the surface of big volume and heavy objects. Fiber laser marking machine adopts advanced digital high speed scan galvanometer and module design, which can separate laser generator and lifter. This series has the advantages of low materials consumption, non-toxic, and pollution-free.



Easy to learn and operate.



Long lifetime, Absolutely produce long lasting results ever use over years.



Space saving but as well as industrial design. 52kgs portable model can put into any workshop or factory.

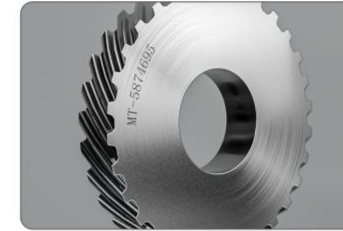


Easy to transport by Express according to the small package.



MODEL	MT-FP20	MT-FP30	MT-FP50	MT-FP60	MT-FP80	MT-FP100	MT-FP200
Laser Type	Q-Switched Pulse Fiber Laser / MOPA Pulse Fiber Laser						
Wavelength (nm)	1064						
Laser Power (W)	20	30	50	60	80	100	200
Pulse Energy (mJ)	0.66 / 0.8	1 / 0.8	1 / 1.25	1.5		1.5 or 5	
Repetition Rate (kHz)	30-60 / 1-600 or 1-4000		50-100 / 1-600		1-4000		
Pulse Duration (ns)	120-150 / 200 or 2-350		120-150 / 200		2-500		
Beam Quality (M2)	<1.5 / 1.4	<1.6 / 1.5 or 1.4	<1.6 / 1.8	<1.4 or 1.5			
Output Power (%)	10 - 100						
Marking Specifications	<ul style="list-style-type: none"> ■ Font formats: TTF, JSF, DMF, SHX fonts etc. ■ Vector formats: PLT, DST, AI, DXF, SVG, GBR, NC, CAD, CDR, DWG, BOT, etc. ■ Barcode formats: Code39, EAN, PDF417, DATAMATRIX, QR, 2D codes etc. ■ Bitmap formats: JPC, BMP, JPG, JPEG, PNG, etc. 						
Speed	Up to 8000 mm/s (314.96 in/s)						
Minimum Line	0.01 mm (0.0004 in)						
Minimum Character	0.2 mm (0.008 in)						
Z axis type	Manual / Motorized & Programmable (optional)						
Software	MacMark / PC software EzCAD (on separate, external, optional Windows OS PC)						
Communication interfaces	USB; Terminal block I/O; (standard) Laser Safety Dedicated I/O; RS232; Ethernet TCP/IP (optional)						
Marking Area - Available lenses	<ul style="list-style-type: none"> ■ Standard: F160: 100 mm (3.94 in) x 100 mm (3.94 in) ■ Optional: F100: 65 mm (2.56 in) x 65 mm (2.56 in), F254: 160 mm (6.29 in) x 160 mm (6.29 in), F330: 205 mm (8.07 in) x 205 mm (8.07 in), F450: 300 mm (11.8 in) x 300 mm (11.8 in) 						
Cooling	Air-cooled, auto overheat protection						
Laser safety classification	Class 4						
Operating Temperature	10°C to 40°C (50F to 104F)						
Humidity	10%- 90%, non-condensing						
Electrical requirements	L/N/PE 100 - 240 VAC 50/60Hz (According to local electricity supply)						
Power consumption rate	400 W (800 W Max)		600 W (1000W Max)			1200W	
Machine weight	52Kg (114.64 lbs)		57Kg (125.66 lbs)		63Kg (138.89 lbs)	82Kg (180.78 lbs)	

This kind of machines can satisfy many marking applications, such as electronics, food and beverage, pharmaceutical, tobacco, packaging, building materials, lighting, cosmetics, kitchen & bathroom, jewellery, medical apparatus and instruments, auto spare parts and other industries.



Gear Marking
Metal Processing Industrial



LED Light Marking
Plastics Material



Metal with Powder Coated Marking



Gold / Silver Cutting
Jewelry Industrial



Ring Marking Surface Marking



Deep Engraving



Medical Tool Marking



Color Marking