

Fiber laser marking machine

STM-FM Series



Introduction

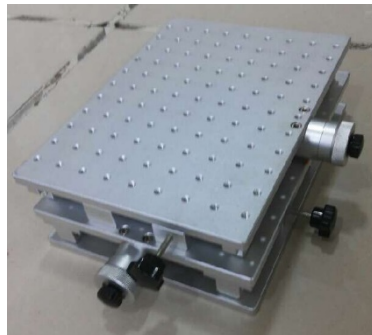
The STM-FM series utilizes the Taiwan leading brand Max/Raycus fiber laser source or Germany IPG Fiber laser source, multifunctional EzCAD marking software (runs on Window XP/Win7 32 bits operating system), high quality speed scanner, and other qualified integrated units. It is characteristic of suitable for charge size of products, fast speed, high stability and user-friendly operation interface. Most importantly, it is maintenance-free. This 1064nm wavelength laser is made for the application of all metallic materials and most of non-metallic materials with perfect laser beam quality and long service life (100,000 hours).

System features

- Red-light preview for positioning.
- Laser head can be adjusted up/down, back/front manually
- Fiber laser source, excellent beam quality, high stability (100000 hours trouble-free)
- High quality galvanometer scanner
- User-friendly interface program, multifunctional, support graphic formats from AutoCAD, CorelDraw, and more.
- Qualified integrated units insure higher reliability of the whole system



Manual sliding platform (optional)



- Using the screw moveable table travel: 150x200mm
- Table size: 200x300mm
- Repeat positioning accuracy: ± 0.2 mm

Main configurations

No	Item	Specification
1	Laser generator	Max
2	Galvanometer	Sino – Galvo
3	Software	EZCAD 2.76
4	Controller	JCZ
5	Cabinet	
6	Red light	
6	Manual sliding platform	Optional

Parameters

Model	STM-FM SERIES
Laser output power	20W/30W/50W
Laser wavelength	1064nm
Repetition frequency	20-80KHz
Laser type	Fiber laser
Working area(standard)	Optional
Marking depth	0.01-0.05mm
Repeated accuracy	0.002mm
Min. Line Width	0.01mm
Min. Character	0.2mm
Marking speed	0-7000mm/s adjustable
Rated Power consumption	1500W
Power supply	220V/50Hz

Running conditions

- ✓ Ambient temperature 5-35°C, air-conditioner needed.
- ✓ Humidity 40%-80%; No dew; Dehumidifier installation needed.
- ✓ Power supply: 220V/50Hz.
- ✓ Power supply net undulation: $\pm 5\%$; Power net suited to the international standard. Area with Voltage amplitude above 5% should have automatic digital voltage stabilization and steady flow system installed.
- ✓ No strong electromagnetism signal interference around the equipment installed. No wireless injection station (or relay station) around.
- ✓ Groundswill: less than 50um: Vibration acceleration: less than 0.05g; avoid too many punches and other machine tool equipment's setting around.
- ✓ No smoke and dust in the equipment space, avoid operational environment with much dust such as metal polishing and rubbing. In certain environment, anti-static floor, strengthen shield and the other equipment should be installed

Photos of samples



After service

- Wooden box package
- One year warranty of the whole machine
- Customer can come to our company for complete training, also we will send installation manual and operation manual to customers. We will also send engineers for onsite support if required by customer
- We have professional laser engineers for technical support online in 24 hours