

2.5D Fiber Laser Marking Machine

——*MY-M50F-III(2.5D)*



WISELY LASER



www.wiselylaser.com



- ★ 2D/3D Laser Marker
- ★ CO2 Laser Engraver/Cutter
- ★ Laser Welder / Cleaner
- ★ Laser Automation



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Introduction

WISELY 2.5D serial fiber laser marking machine adopt imported core components, with high-speed, high precision 2.5D galvo head, and with EzCAD3 specified software and control system, it can engrave on metal workpieces in a fine process, there is motor up&down Z axis, can do focus easily. It can also do deep engraving, which make process efficiency and marking quality, can do 2D laser marking fine, and make real 3D (including relief and carving) marking well.

Application Materials

WISELY laser marking machine can work with most metal and non-metallic marking applications, such as Gold, Silver, Stainless Steel, Carbon Steel, Mild Steel, Chrome Steel, Brass, Copper, Aluminium, Acrylic, ABS, Nylon, PES, PVC, Makrolon.

Applicable Industries

Electronic Components:	Resistors, Capacitors, Chips, Printed Circuit Boards, Computer Keyboard, etc.
Mechanical Parts:	Bearings, Gears, Standard Parts,
Instrument:	Panel Board, Nameplates, Precision equipment, etc.
Hardware Tools:	Knives, Tools, Measuring Tools, Cutting Tools, etc.
Automobile Parts:	Pistons and Rings, Gears, Shafts, Bearings, Clutch, Lights, etc.
Daily Necessities:	Handicrafts, Zipper, Key Holder, Sanitary Ware, etc.

Advantages

- 1) 3D marking: can do smooth relief and carving effect on metals products.
- 2) Long lifespan of fiber laser source: 100,000 hours.
- 3) No Consumables: One marker can work for more than 8~10 years without any consumables.
- 4) The fiber laser beam comes out from the fiber device directly, no need to adjust the laser optical path.
- 5) High-stability controller, USB interface, swift and stable transmission, intelligent calculation, easy software.

Technical Parameters

Type	MY-M50F-II (2.5D)
Laser Power	50W
Optional Laser Power	60W / 80W / 100W
Laser Wavelength	1064nm
Marking Area	100mm*100mm
Optional Marking Area	200*200 / 300*300
Max. Marking Speed	7000mm/s
Minimum Line Width	0.03mm
Repeated Precision	±0.006mm
Fiber Laser Source	China Raycus / JPT / Germany IPG
Scan Head	China Galvo-Tech / WISE SCAN
Controller (software)	China Genuine JZC Controller & EzCAD3 Software
Lens	Wavelength laser lens
Life-span of Fiber Laser Source	100,000 hours
Beam Quality	M2 <1.3
Focus Spot Diameter	<0.02mm
Output Power of Laser	Adjusted continuously 10%~100%
Output Frequency of Laser	Adjusted continuously 1~600KHz
Power Stability (8h)	<±1%rms
System Operation Environment	Windows 7 / 10 / 11 - 32/64bits
Cooling Mode	Air cooling
Temperature of Operation Environment	0°C ~ 40°C
Humidity of Operation Environment	5% ~ 75%
Power Input	220V/50HZ/1-Ph or 110V/60HZ/1-ph
Power Consumption	<500W
Communication Interface	USB
Dimension (L*W*H)	700*400*650mm
Package Size	850*500*700mm
Net Weight	50Kg
Gross Weight	75Kg
Optional (Not free of charge)	Rotary Device, XY Moving Table, other customized Automatic Matching System

Shipment

Within 5-7 working days after receiving your payment.

Packaging

International Standard Packing--Plywooden Case--free of fumigation.

Warranty Period

Whole machine has a warranty period of 24 months since the delivery.

Training

3 working-day training free of charge in factory. Oversea training is available, but the buyer should pay the cost including the tickets, hotel, taxi, food and so on.



Sample Gallery

