

JPT LP Fiber Laser Marking Machine

——MY-M20F-III



Portable Type-III



Hand-held Type-III-1



Mini Type-III-2



Standing Type-III-3



360 °Rotation Type-III-4





Fiber Laser Marking Machine Type-III

Feature

- 1) Long lifespan of fiber laser source: 100,000 hours.
- 2) Low consumption: <450W, more economical and environmental.
- 3) High Speed: 7000mm/s, faster than traditional machines.
- 4) Superior Laser Beam: The definition is 1 micron, 10 times as traditional products.
- 5) No Consumables: One marker can work for more 8-10 years without any consumables.
- 6) The fiber laser beam comes out from the fiber laser source directly, no need to adjust the laser beam path.
- 7) High-precision and high-speed scan head, with good seal, capable to prevent dust and water, small volume, compact.
- 8) High-stability controller, USB interface, swift and stable transmission, route optimization, easy operation.
- 9) Strong Compatibility: PLT, BMP, JPG, TTF, DXF, SHX, AI and other format files output from CorelDraw, AI, PS, AutoCAD, Solidworks etc..
- 10) Integrated Air Cooling System: Better cooling effect than water-cooling effect in YAG laser, no maintenance.

Application

WISELY Laser Marking Machine for Metal & Plastics. It can work with most metal marking applications, such as Stainless Steel, Brass, Aluminium, Steel, Iron etc, and can also mark on many nonmetallic materials, such as ABS, Nylon, PES, PVC, Makrolon, etc.

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

Parameter

Model	MY-M20F-III			
Power	20W / 30W / 50W / 100W			
Laser Wavelength	1064nm			
Standard Marking Area	150mm*150mm			
Optional Marking Area	70*70mm / 100*100mm / 200*200mm / 300*300mm / 400*400mm			
Marking Depth	≤2mm			
Marking Speed	7000mm/s			
Minimum Line Width	0.015mm			
Minimum Character	0.2mm			
Repeated Precision	±0.003mm			
Fiber Laser Source	JPT LP from China			
Scan Head	Galvo-Tech / WISE SCAN from China			
Controller (software)	JZC Controller & EzCAD2 Software from China (Optional EzCAD3 or SAMLight)			
Lifespan of Fiber Laser Module	100,000 hours			
Beam Quality	M2 <1.3			
Focus Spot Diameter	<0.01mm			
Output Power of Laser	Continuously adjusted 10%~100%			
Output Frequency of Laser	Continuously adjusted 1~600KHz			
Power Stability (8h)	<±1.5%rms			
System Operation Environment	Windows XP / 7 / 8 / 10 / 11 -32/64bits			
Cooling Mode	Air cooling			
Voltage	220V / 50HZ / 1-PH or 110V / 60HZ / 1-PH			
Power Requirement	<450W			
Optional type	Portable Type-III	Hand-held Type-III-1	Mini Type-III-2	Standing Type-III-3
Dimension (L*W*H)	700*400*650mm	750*250*600mm	850*220*600mm	800*380*800mm
Package Size	850*500*870mm	850*300*650mm	950*300*750mm	900*480*950mm
Net Weight	40KG	35KG	38KG	45KG
Gross Weight	75KG	65KG	60KG	75KG
Optional (Not free of charge)	Rotary Device, Moving Table, Lens, Fume Purifier, other customized Automatic Matching System			

Shipment

Within 3~5 working days after receiving your payment.

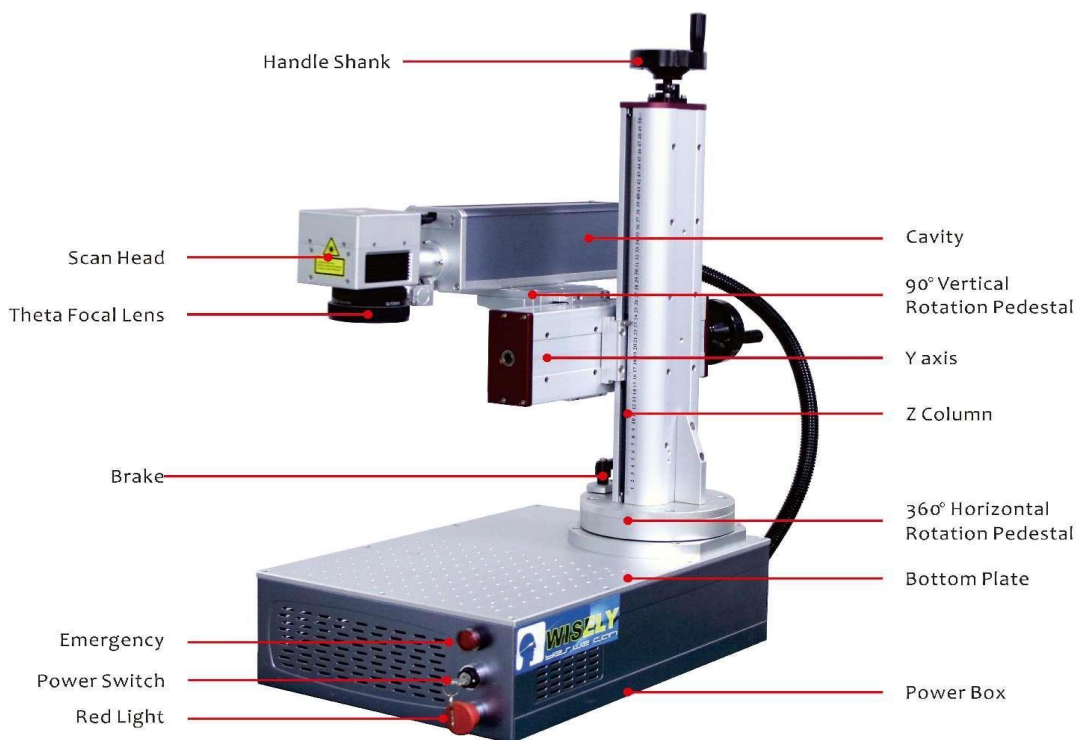
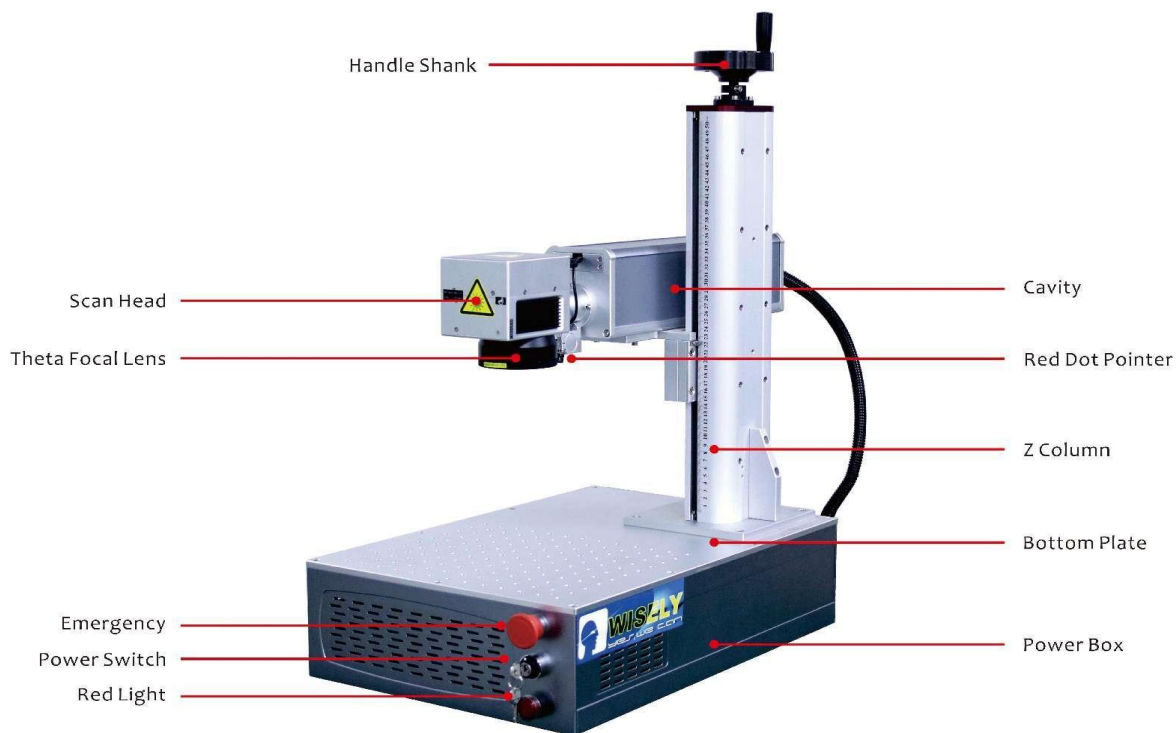
Warranty

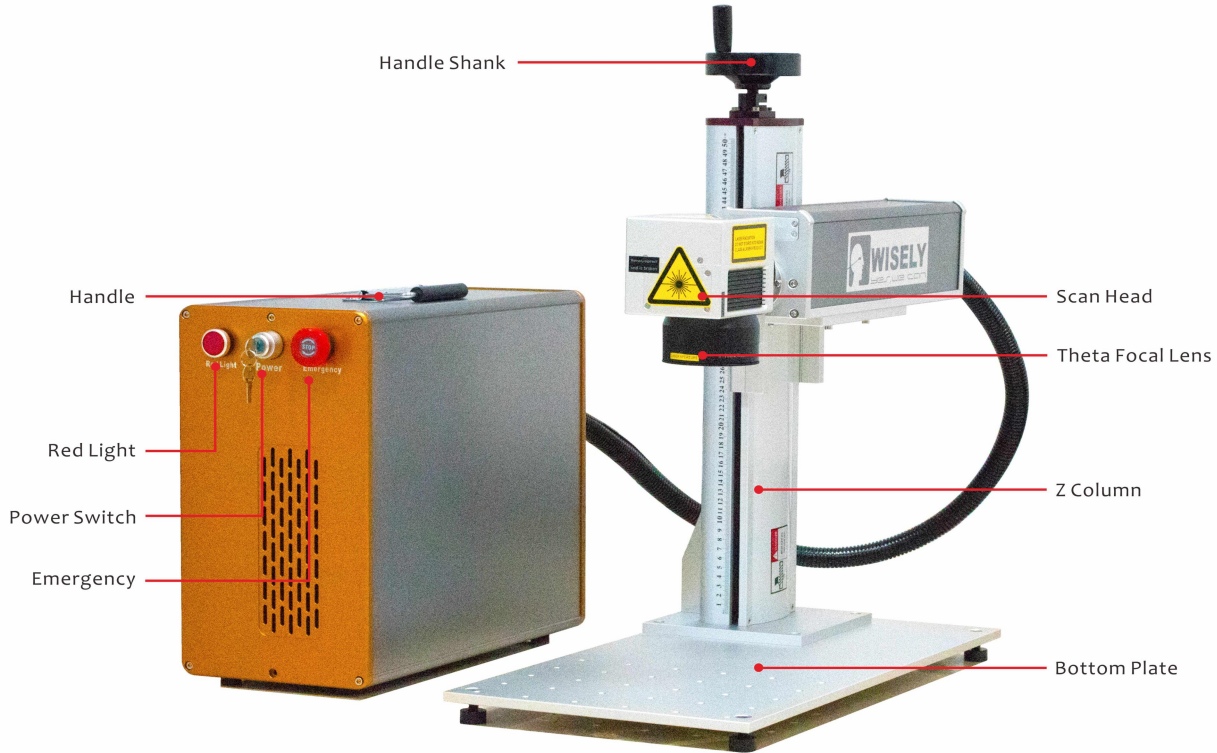
Whole machine has a warranty period of 24 months since the production date.

Training

1~3 working-days training free of charge in factory. Oversea training is available, the buyer can discuss the details with WISELY salesman.













Advantages

- 1) Portable style, small size, easy to transportation. The equipment can work with customized automatic matching system.
- 2) Adopt high-series JPT LP model laser source, superior laser beam, stable performance and high reliability.
- 3) The machine can work with all metallic materials, such as gold, silver, copper, stainless, aluminum, ect; and some non-metallic materials.

Main Configurations

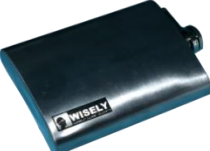
	1. JPT LP Model Laser Source Beam quality $M2 < 1.3$ power stability $< \pm 1.5\%$ rms over 8 hours longer lifespan over 100,000 hours Integrated air cooling system.		4. Taiwan MW Laser Power Supply Famous Taiwan MeanWell laser power supply with Voltage Stabilizing Protection. Stable performance and long lifespan.
	2. Control System & Software Genuine BJJCZ controller, with stable performance and high reliability. EZCAD2 is easy to operate, with high compatibility, support various files with format such as PLT, BMP, JPG, DXF, AI, ect.		5. WISELY F-theta Lens Customized by top brand Wavelength. Small-size focus spot, excellent marking effect, low consumption and high stability.
	3. WISELY Scan Head Customized scanner specially for High series laser marking application, its speed up to 7,000 mm/s, with high precision, low temperature drift and high stability.		6. Leadshine Driver and Motor Lower noise, low vibration, running more smoothly, higher torque, higher acceleration, higher precision.

Sample Gallery



Watch Case

Stainless Black Marking & QR Code



Automobile Parts

Bearing & Gearing & Automobile Sign



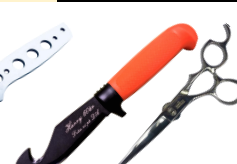
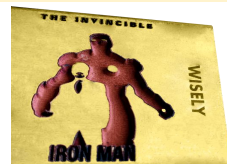
Jewelry Engraving & Cutting

Silver Ring & Gold Bracelet



Photos Marking

304# DUMB-face S.S. & Plated S.S.



Copper & Stainless Deep Engraving

Silver & Aluminum Deep Engraving & Cutting

Hardware Tool Marking



Copper & Brass Marking

Medals Marking

E-cigarette Case



Nameplate Marking

Daily Necessities

Pen & Cups & Bottle

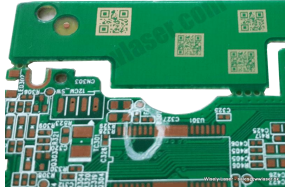


Firearms Marking & Engraving

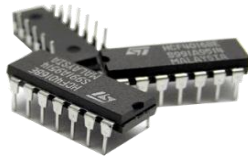
Stainless & Carbon Steel & Chrome Steel & PMAG Polymer

Metal Materials

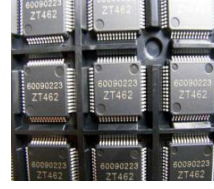
Gold
Silver
Brass
Copper
Iron
Aluminum
Anodized aluminum
Stainless Steel
Stainless Chrome
Titanium
Chrome
Chrome steel
Molybdenum
Machine tool steel
Multi-Coated Metal
Nickel-plated steel
Nickel-plated brass
Silicon steel
Zinc plated mild steel
Aluminum Alloy
Galvanized Sheet
Alloy steel
And more



Electronic Components



Resistors & Capacitors & Chips



Non-metallic Materials

ABS(Black / White)
Acrylic (black)
Plastic
PVC
PE
PEEK (white)
Carbon fiber
Ceramics
Malrolon
Nylon
Leather
Rubber
Wood (Painttd)
And more



Computer Keyboard



Mouse Marking



Computer



Painted Plastic Transparent Marking



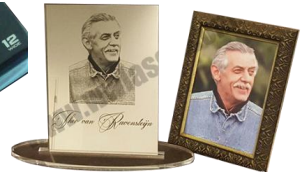
Painted Glass Marking



Painted Acrylic



Toner Cartridge & Cam



Mirror artwork



Animal Eartag & Plastic Seal



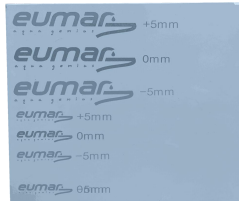
Power Bank & Adapter



LED Lighting











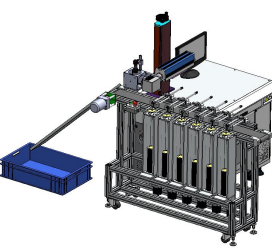

Ceramics Marking



Artificial Leather



Automation For Fiber Laser Marking Machine

	<p>1. Bearings Auto Marking Machine</p> <p>The machine is equipped with a set of conveyor, the transmission speed can be adjusted easily, and the cylinder position can be adjusted according to the product.</p>		<p>6. Double Conveyors Bearings Auto Marking Machine</p> <p>This machine is equipped with two sets of conveyors, designed to massive bearings marking or similar objects marking. The two conveyors can do dual marking, alternately feeding and unloading, good for improving the processing efficiency.</p>
	<p>2. X-Slide Moving Table Laser System</p> <p>There are two work stations, and one fixture can be placed on each work station. The stations alternately operate to complete repetitive action as loading, marking, moving, unloading, can expand working area, save time and reduce labor cost.</p>		<p>7. Fiber Laser With X-slide Long Table</p> <p>This 1,500mm long automation is special for the aluminum, brass, stainless ruler marking, used for oil companies and gas station. It is also good for other long-size products marking.</p>
	<p>3. Auto Feeding System</p> <p>The machine is equipped with PLC controller, motor driving system and linear guide rail transmission system. The robotic arm automates feeding & unloading, suitable for nameplate of electronics, food, beverages, small gift and so on.</p>		<p>8. Metal Plate Auto Feeding & Marking System</p> <p>The machine is equipped with PLC controller, motor driving system and air cylinder system. It is specially for thin metal palte auto feedind & marking, suitable for nameplate mass marking.</p>
	<p>4. Gantry Laser Marking Machine 600</p> <p>The X/Y Slide Auto moving table 600x600mm, it is equipped with high precision X/Y ball screw slide and Leadshine / Servo Motor, designed for big size products marking and mass production are conducive to high efficiency of the production line. working size can be customized.</p>		<p>9. Automatic Rotation Table</p> <p>The rotation is equipped with multiple groove, suitable for pen, similar cylinders marking. It's good for high-efficiency marking, time-saving and lower cost.</p>
	<p>5. Medal Auto Feeding Marking System</p> <p>6-piston automation with CCD camera, good for madels batch marking. The automation is equipped with PLC, control software and stepper driving system. can improve marking efficiency, reduce labor cost.</p>		<p>10. CCD&Conveyor Auto Laser Marker</p> <p>This conveyor automation with CCD camera, good for small and similar products mass marking. The automation is equipped with PLC, control software, stepper driving system. can improve marking efficiency of machine, reduce labor cost.</p>

Welcome to consult for more automatic laser machine systems.....

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