

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.

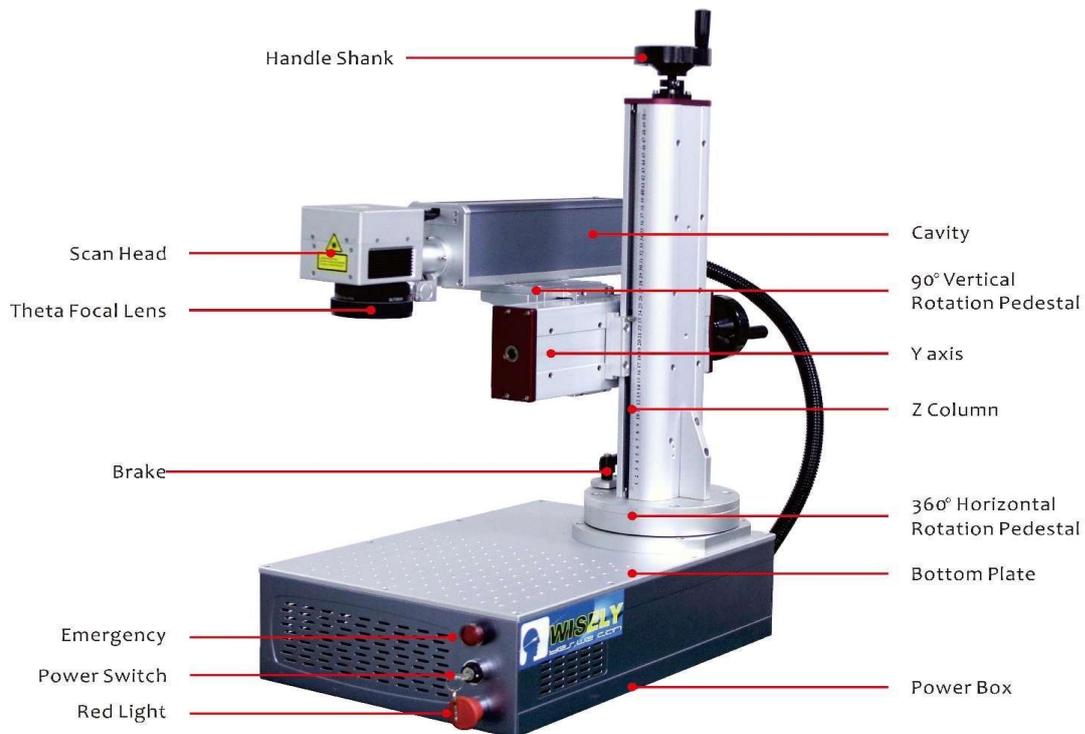
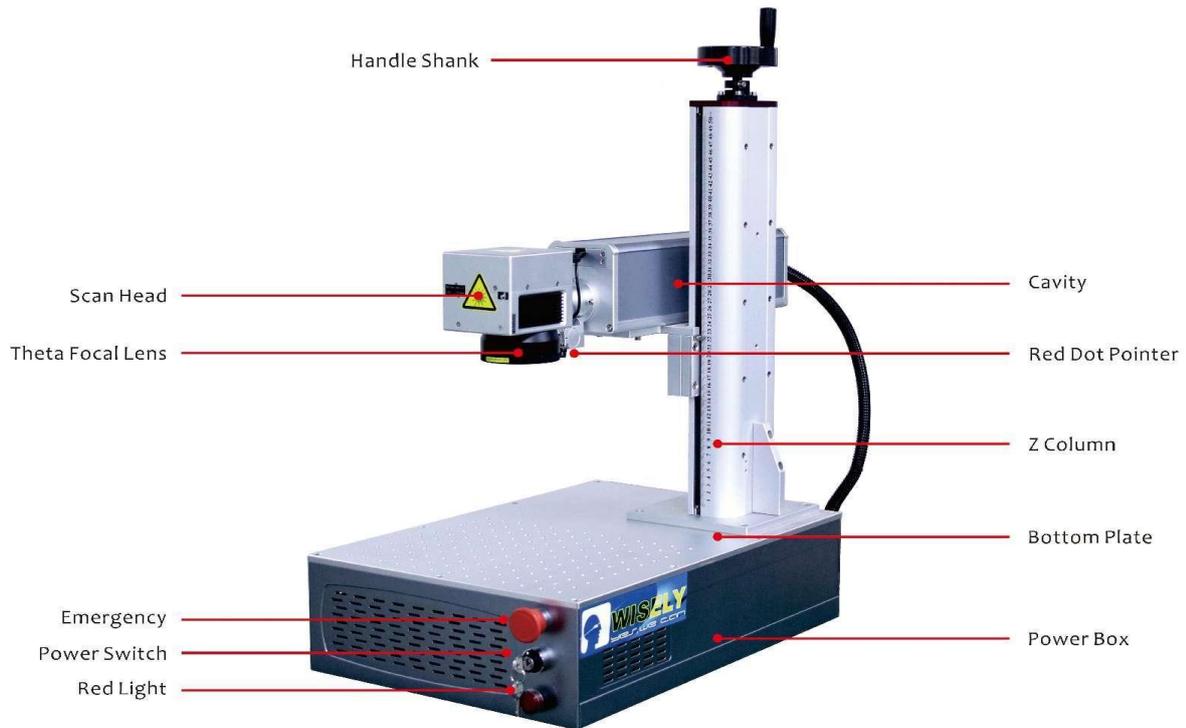
Warranty

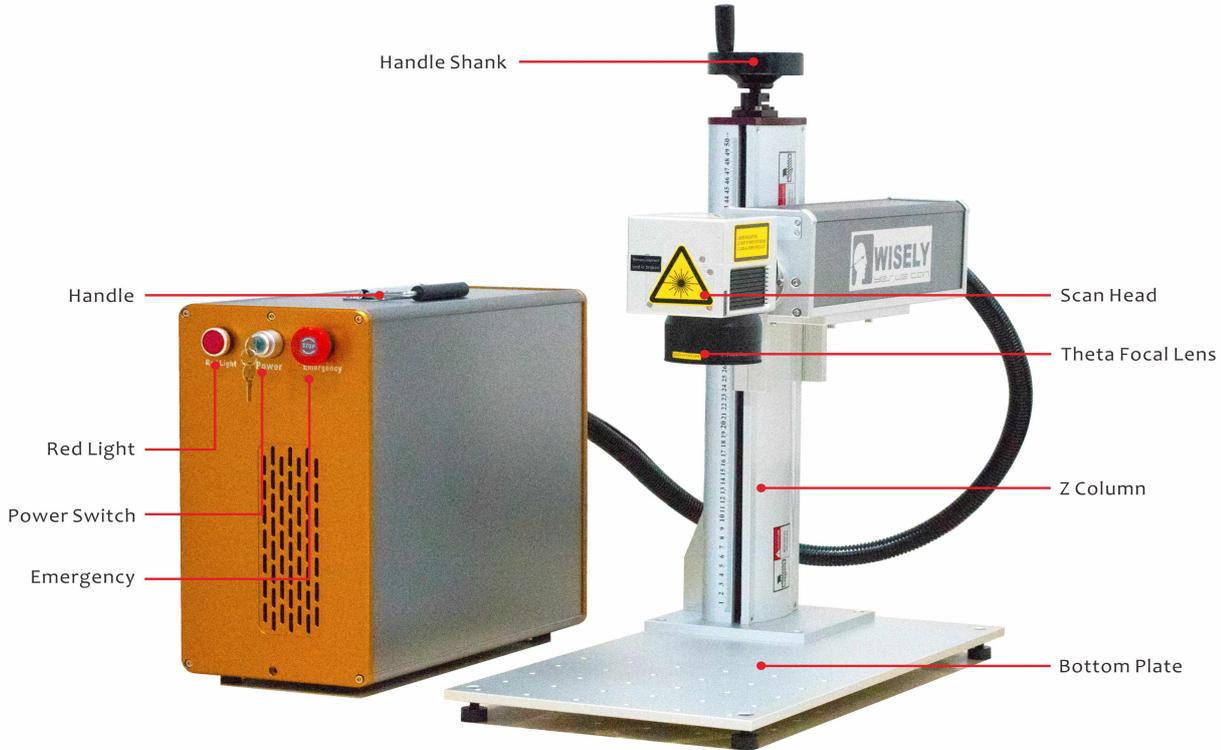
Whole machine has a warranty period of 24 months since the production date.

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

| | | | |
|--|---|--|---|
|  | <p>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.</p> |  | <p>4. Taiwan MW Laser Power Supply Famous Taiwan MeanWell laser power supply with Voltage Stabilizing Protection. Stable performance and long lifespan.</p> |
|  | <p>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.</p> |  | <p>5. WISELY F-theta Lens Customized by top brand Wavelength. Small-size focus spot, excellent marking effect, low consumption and high stability.</p> |
|  | <p>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.</p> |  | <p>6. Leadshine Driver and Motor Lower noise, low vibration, running more smoothly, higher torque, higher acceleration, higher precision.</p> |

Sample Gallery



Watch Case

Stainless Black Marking & QR Code

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



Automobile Parts

Bearing & Gearing & Automobile Sign



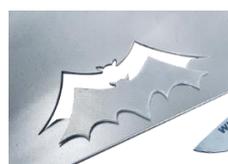
Jewelry Engraving & Cutting

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

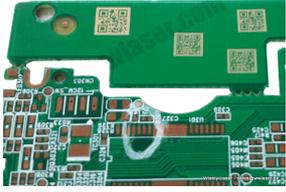
Daily Necessities

Pen & Cups & Bottle



Firearms Marking & Engraving

Stainless & Carbon Steel & Chrome Steel & PMAG Polymer



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 (Paintted)
- And more



Computer Keyboard



Mouse Marking



Computer



Painted Plastic Transparent Marking



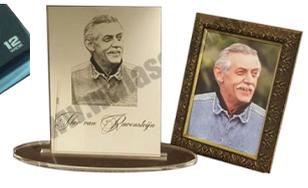
Painted Glass Marking



Painted Acrylic



Toner Cartridge & Cam



Mirror artwork



Animal Eartag & Plastic Seal



Power Bank & Adapter



LED Lighting



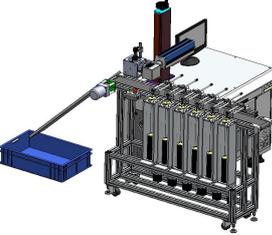
Ceramics Marking



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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