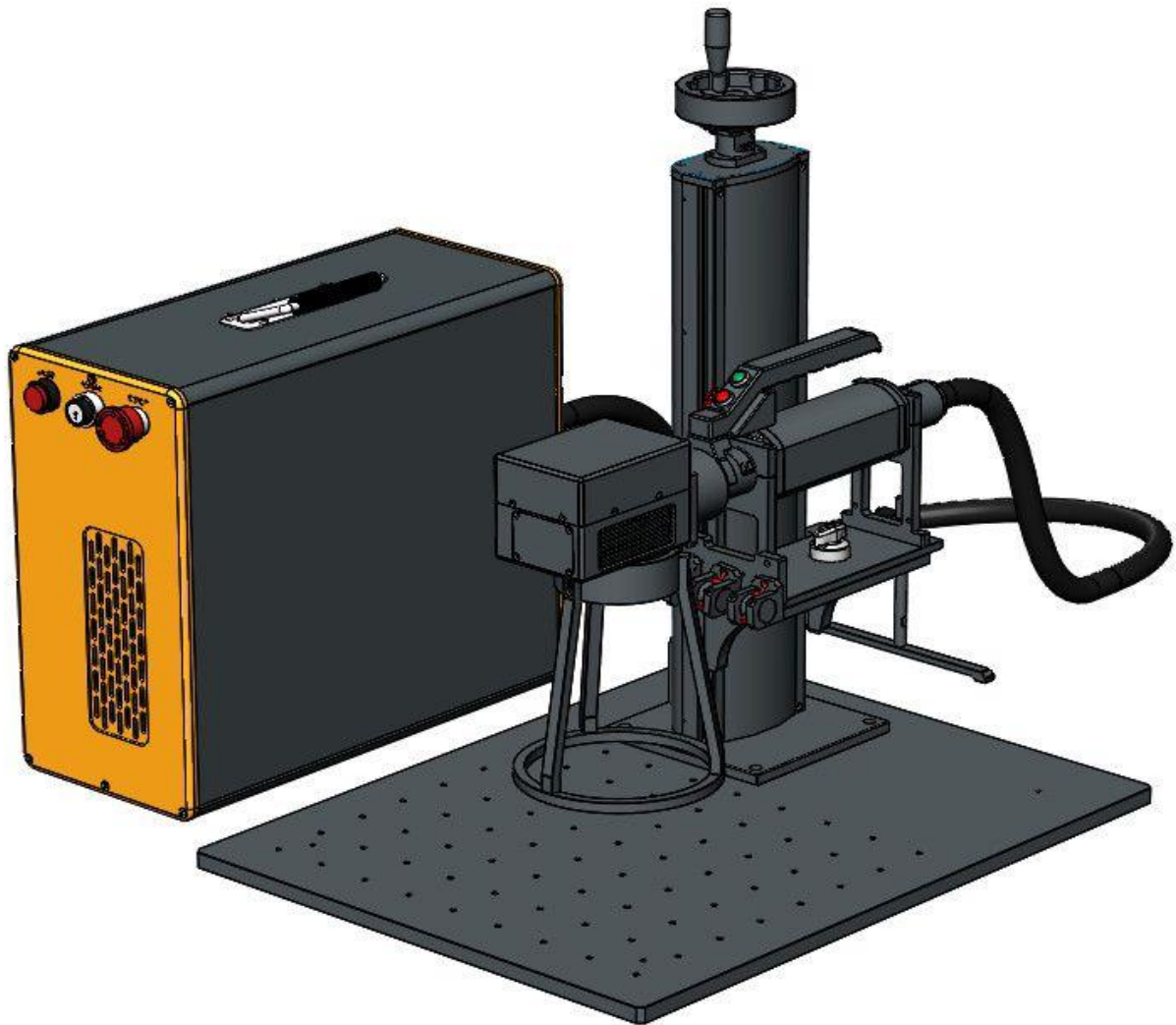


IPG Fiber Laser Marking Machine

——*MY-M20F-IV*



IPG Fiber Laser Marking Machine - IV

Feature

- 1) High Precision: Up to 0.0012mm, bring you the fantastic and satisfied marking effect.
- 2) Superior Laser Beam: The definition is 1 micron, 10 times as that of traditional products.
- 3) No Consumables: One Fiber marker can work for more than 10 years without any consumables.
- 4) Fast Speed: 800 standard characters per second, is 3 to 5 times above that of traditional products.
- 5) The fiber laser beam comes out from the IPG fiber device directly, no need to adjust the laser optical path.
- 6) Low consumption: <400W, more economized and environmental.
- 7) Original Scaps controller, High stability, USB interface, swift and stable transmission, route optimization, intelligent calculation, easy operation.
- 8) Original ScanLAB scan head, high speed and precision, with good seal, capable to prevent dust and water, small volume and compact.
- 9) Long lifespan of IPG laser module: 100 000 - 200 000 hours
- 10) Strong Compatibility: TTF Font, SHX, BMP, DXF, AI, PLT and other format files output from CorelDraw, PS, AutoCAD, Solidworks, etc..
- 11) Integrated Air Cooling System: The cooling effect is more excellent than the 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-IV
Power	20W / 30W / 50W / 100W / 120W
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	800 standard characters / second
Minimum Line Width	0.012mm
Minimum Character	0.15mm
Repeated Precision	±0.003mm
Fiber Laser Source	Imported with original packaging--IPG in Germany
Scan Head	Imported with original packaging--SCANLAB in Germany
Controller (software)	Imported with original packaging--Scaps in Germany
Lifespan of Fiber Laser Module	100,000-200,000 hours
Beam Quality	M2 <1.1
Focus Spot Diameter	<0.01mm
Output Power of Laser	Continuously adjusted 10%~100%
Output Frequency of Laser	Continuously adjusted 20~80KHz
Power Stability (8h)	<± 1% rms
System Operation Environment	Windows XP / 7 / 8 / 10 / 11-32/64bits
Cooling Mode	Air cooling
Temperature of Operation	0°C~45°C
Voltage	220V / 50HZ / 1-PH or 110V / 60HZ / 1-PH
Power Requirement	<400W
Dimension (L*W*H)	700*400*650mm
Package Size	850*500*870mm
Net Weight	45kg
Gross Weight	80kg
Optional (Not free of charge)	Rotary Device, Moving Table, Lens, Fume Purifier, other customized Automatic Matching System

Shipment

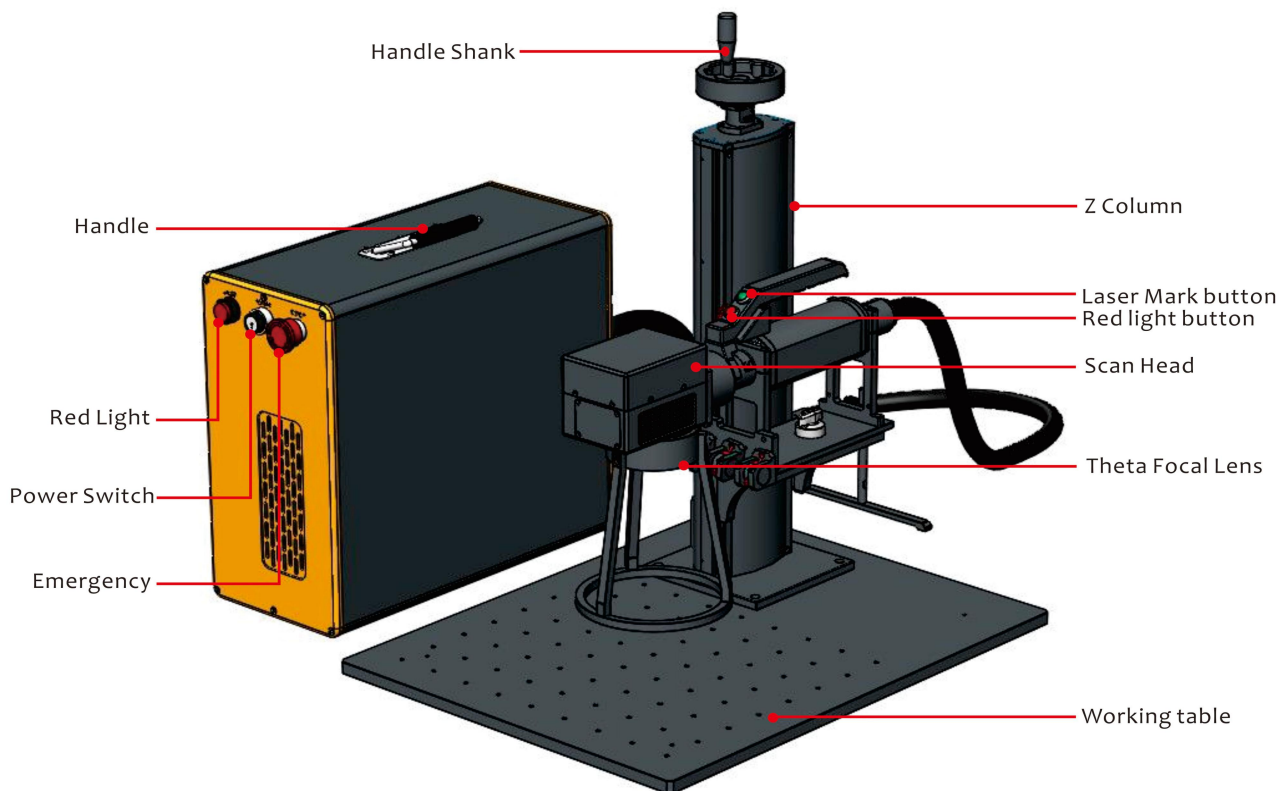
Within 3~5 working days after receiving your payment.

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, easy to transportation, can work with customized automatic matching system.
- 2) With world top brand from Germany IPG laser source guarantees excellent performance, high-quality laser beam, stable output and longer lifeaspan.
- 3) The machine can work with all metallic materials and some non-metallic materials, gold, silver, copper, stainless, aluminum, ABS, Acrylic, PVC, ect.

Main Configurations

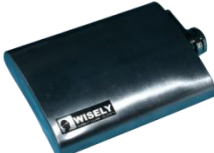
	1. Gemanry IPG laser source Beam quality M2<1.1; Average power stability < ±1% over 8 hours; Long lifespan 100,000-200,000 hours.		4. Taiwan MW Laser Power Supply Famous Taiwan MeanWell laser power supply with Voltage Stabilizing Protection. Stable performance and long lifespan.
	2. Control System & Software With world famcouc Scaps controller is suitable for multiple applications due to short execution cycle time; SAMlight software supports various languages and file formats.		5. Wave-length F-theta Lens Top brand Wavelength F-theta Lens. Small-size focus spot, excellent marking effect, low consumption and high stability.
	3. ScanLAB Scanner Head Original import ScanLAB scanner is specifically designed for laser marking applications. Its excellent performance and high precision make it well-suited for application requiring very high marking speeds.		6. Leadshine Driver and Motor (if any) 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

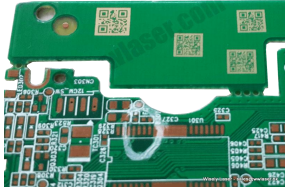


Firearms Marking & Engraving

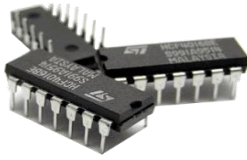
Stainless & Carbon Steel & Chrome Steel & PMAG Polymer

Metal Materials

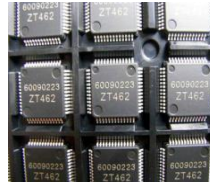
Gold
Silver
Brass
Copper
Iron
Aluminum
Anodized aluminum
Stainless Steel
Stainless Chrome
Titanium
Chrome
Chrome steel
Molybdenum
Machine tool steel
Multi-Coated Metal
Nickel-plated steel
Nickel-plated brass
Silicon steel
Zinc plated mild steel
Aluminum Alloy
Galvanized Sheet
Alloy steel
And more



Electronic Components



Resistors & Capacitors & Chips



Computer Keyboard



Mouse Marking



Non-metallic Materials

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



Painted Plastic Transparent Marking



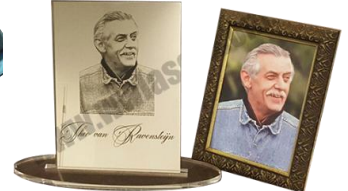
Painted Glass Marking



Painted Acrylic



Toner Cartridge & Cam



Mirror artwork



Animal Eartag & Plastic Seal



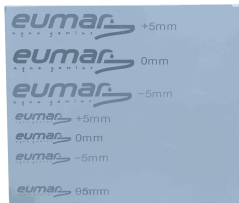
LED Lighting & Adapter



Power Bank











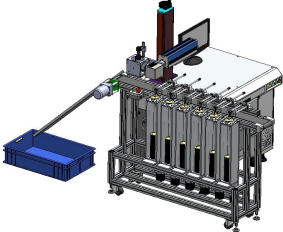

Ceramics Marking



Artificial Leather



Automation For Fiber Laser Marking Machine

	<p>1. Conveyor For Bearing Marking System</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 feedind & unloading, suitable for nameplate of eletronics, 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*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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