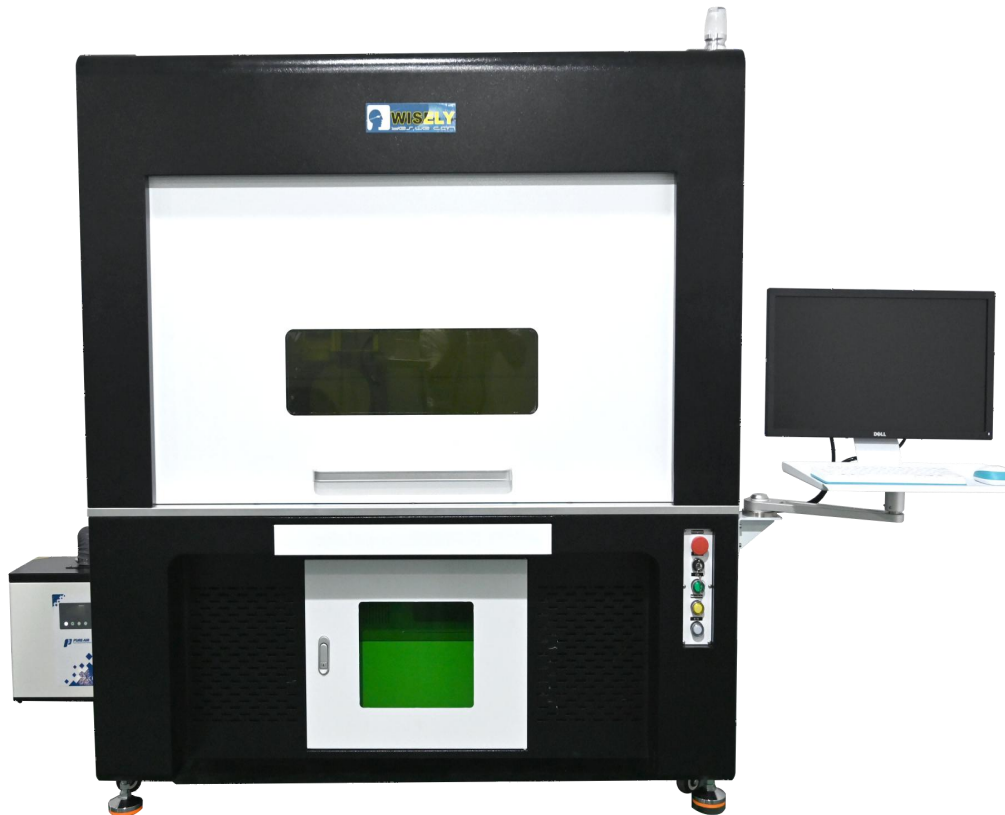


Gantry 500x800mm Laser Marking Machine

——MY-M30F-V



WISELY LASER



www.wiselylaser.com



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



Gantry Laser Marking Machine 500*800*450mm

This laser automation equipment with laser protection cover, once you open the door it will stop marking automatically, it's safety for the operator. This machine is suitable for marking large size products and for batch marking. It is equipped with high precision X/Y ball screw slide with Stepper / Servo motor, which is conducive to high efficiency of the production line. Working size can be customized.

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-M30F-V
Optional Power	20W / 30W / 50W / 80W / 100W
Laser Wavelength	1064nm
Marking Lens Size	150*150mm
Working Area	500*800*450mm
Marking Depth	≤1mm
Marking Speed	7000mm/s
Minimum Line Width	0.015mm
Repeated Precision	±0.003mm
Fiber Laser Source	Germany IPG / China JPT or Raycus
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
System Operation Environment	Windows 10 / 11 - 64bits
Cooling Mode	Air cooling
Temperature of Operation	0-45℃
Voltage	220V / 50HZ / 1-PH or 110V / 60HZ / 1-PH
Power Requirement	<850W
Dimension (L*W*H)	1550*1220*1720mm
Package Size	1740*1370*1900mm
Net Weight / Gross weight	500KG / 615KG
Optional (Not free of charge)	Rotary Device, Moving Table, Lens, Fume Purifier,

Shipment

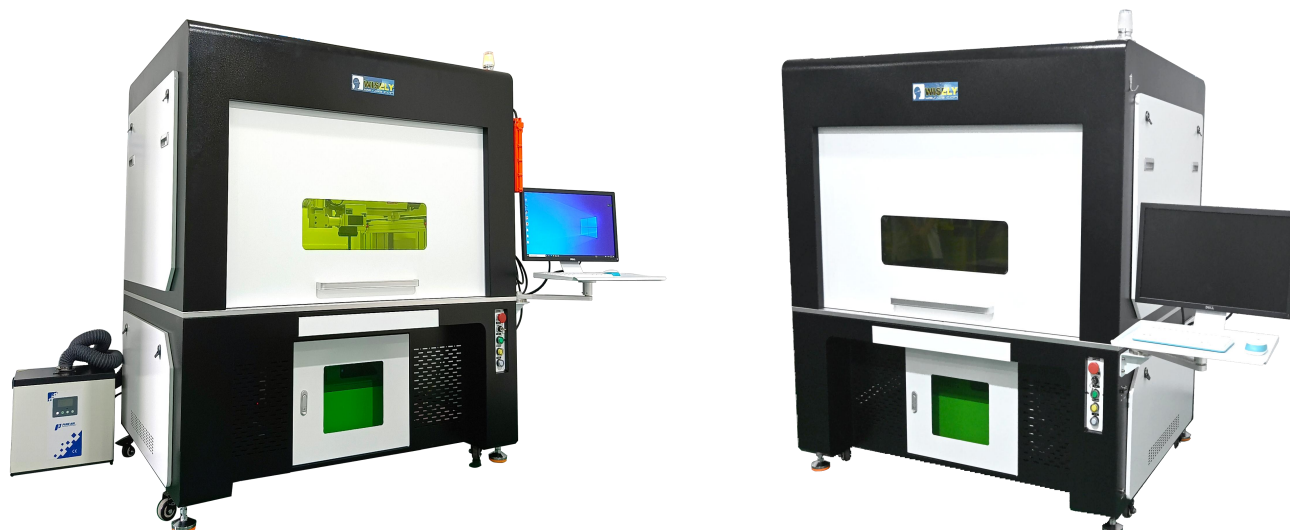
Within 25~30 working days after receiving your payment.

Warranty

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

Training

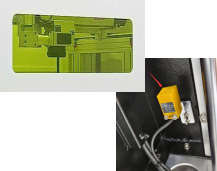

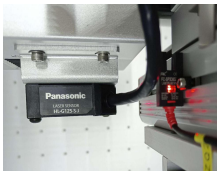



1~3 working-days training free of charge in factory. Oversea training is available, the buyer can discuss the details with WISELY salesman.



Advantages







- 1) Auto focus + Auto stop marking after opening the door.
- 2) Unique shape + XYZ Axis switch panel.
- 3) Internal software control XY-axis moving + External motorized Z-axis lift up&down.
- 4) Max. can install with 200*200mm field lens. Max. marking area 500*800mm
- 5) Class I Laser protection level, laser protective glass window, fully enclosed structure design, protect the operator from laser radiation.

Machine details display

	1. Viewing Window <p>Made by laser safety OD7+ glasses 1060-1070nm, automatic stop marking once open the door, protect the operator from laser radiation.</p>		2. XYZ Working Platform <p>Super large marking area, can mark 500*800mm area of pattern.</p>
	3. Auto Focus <p>It is equipped with Panasonic Sensor for Auto-focus, high precision and stable focus height.</p>		4. XYZ Limited Sensor <p>Automatic sensing to avoid collision when moving XYZ axis, designed for machine safety.</p>
	5. Fume Purifier <ol style="list-style-type: none"> 1) Brushless fan, low noise and smooth operation 2) Adsorption of harmful gases in soot, purification rate of 99.9% or more 3) Control system with alarm function, prompting timely replacement of cartridges. 		6. Control Panel / Button <ol style="list-style-type: none"> 1) Press the menu button to switch between software / manual control 2) Emergency switch: stop the machine in case of special circumstances 3) Manual control of XYZ axis up&down 4) Easy use, new users can learn it about 10 minutes.



Main Configurations

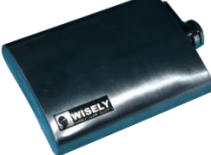
	1. JPT Laser Source Beam quality $M2 < 1.3$ power stability $< \pm 1.5\%$ rms over 8 hours longer lifespan over 100,000 hours Integrated air cooling system.		4. Taiwan MW Laser Power Supply Famous Taiwan MeanWell laser power supply. High-quality ensure its stable performance and long lifespan.
	2. Control System & Software Genuine BJJ CZ controller, with stable performance and high reliability. EZCAD is easy to operate, with high compatibility, can support various file, PLT, BMP, JPG, DXF, AI, ect.		5. WISE F-theta Lens Customized by top brand Wavelength. Small-size focus spot, excellent marking effect, low consumption and high stability.
	3. WISE 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. Industry computer and DELL monitor English OS W10/11 + Intel i5 CPU + 4G Kingston/ADATA Storage + 120G Kingston SSD + Asus Motherboard + Asus DVD Drive + LOGI Keyboard & Mouse + DELL Monitor.

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

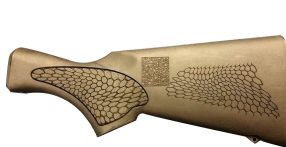
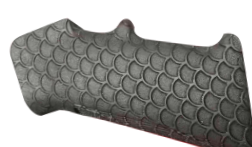
E-cigarette Case



Nameplate Marking

Daily Necessities

Pen & Cups & Bottle

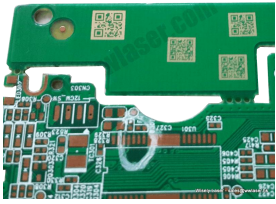


Firearms Marking & Engraving

Stainless & Carbon Steel & Chrome Steel & PMAG Polymer

Metal Materials

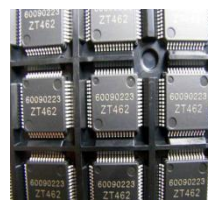
Gold
Silver
Brass
Copper
Iron
Aluminum
Anodized aluminum
Stainless Steel
Stainless Chrome
Titanium
Chrome
Chrome steel
Molybdenum
Machine tool steel
Multi-Coated Metal
Nickel-plated steel
Nickel-plated brass
Silicon steel
Zinc plated mild steel
Aluminum Alloy
Galvanized Sheet
Alloy steel
And more



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 (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



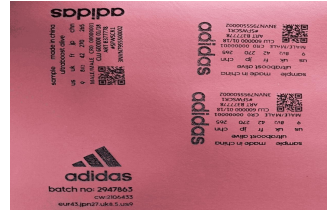
Power Bank & Adapter



LED Lighting











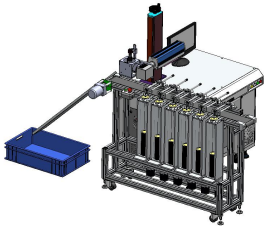

Ceramics Marking



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 feeding & 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.</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..... www.wiselylaser.com