

CCD&Conveyor Auto Laser Marker

——*MY-M30F*



WISELY LASER



www.wiselylaser.com



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



CCD&Conveyor Auto Laser Marker

This laser automation with Conveyor&CCD, good for small, similar products mass marking. It is equipped with HKVISION super good pixels camera, high precision visual positioning system, EzCAD2 software, Servo Motor Conveyor system, help you improve laser marking efficiency, reduce labor cost.

YT Video Link: <https://youtu.be/lly1CHbelNw>

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.

Parameter

Model	MY-M30F
Power	30w (Optimal 20w/50w/60w/80w/100w)
Laser Wavelength	1064nm
Standard Marking Area	150mm*150mm
Optional Marking Area	70*70mm / 100*100mm / 200*200mm / 300*300mm
Marking Depth	≤1mm
Marking Speed	7000mm/s
Minimum Line Width	0.015mm
Repeated Precision	±0.05~0.1mm
Fiber Laser Source	China JPT laser source (Optional Germany IPG)
Scan Head	Galvo-Tech / WISE SCAN from China
Controller (software)	JZC Controller & EzCAD2 Software (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 / 1~4000KHz
System Operation Environment	Windows7 / 10 -- 32/64bits
Cooling Mode	Air cooling
Temperature of Operation	0-45℃
Voltage	220V/50HZ/1ph or 110V/60HZ /1ph
Power Consumption	<800W
Camera brand	HIKVISION camera (Optional 500w, 800w and 1300w pixels)
Motor	Step motor/ Servo motor
Belt length	1600mm (can be customized size)
Dimension (L*W*H)	1600*750*1400mm
Package Size	1700*850*1550mm
Net Weight	160KG
Gross Weight	230KG
Optional (Not free of charge)	Rotary Device, Moving Table, Lens, Fume Purifier, other customized Automatic Matching System

Shipment

Within 10~15 working days after receiving your payment.

Warranty

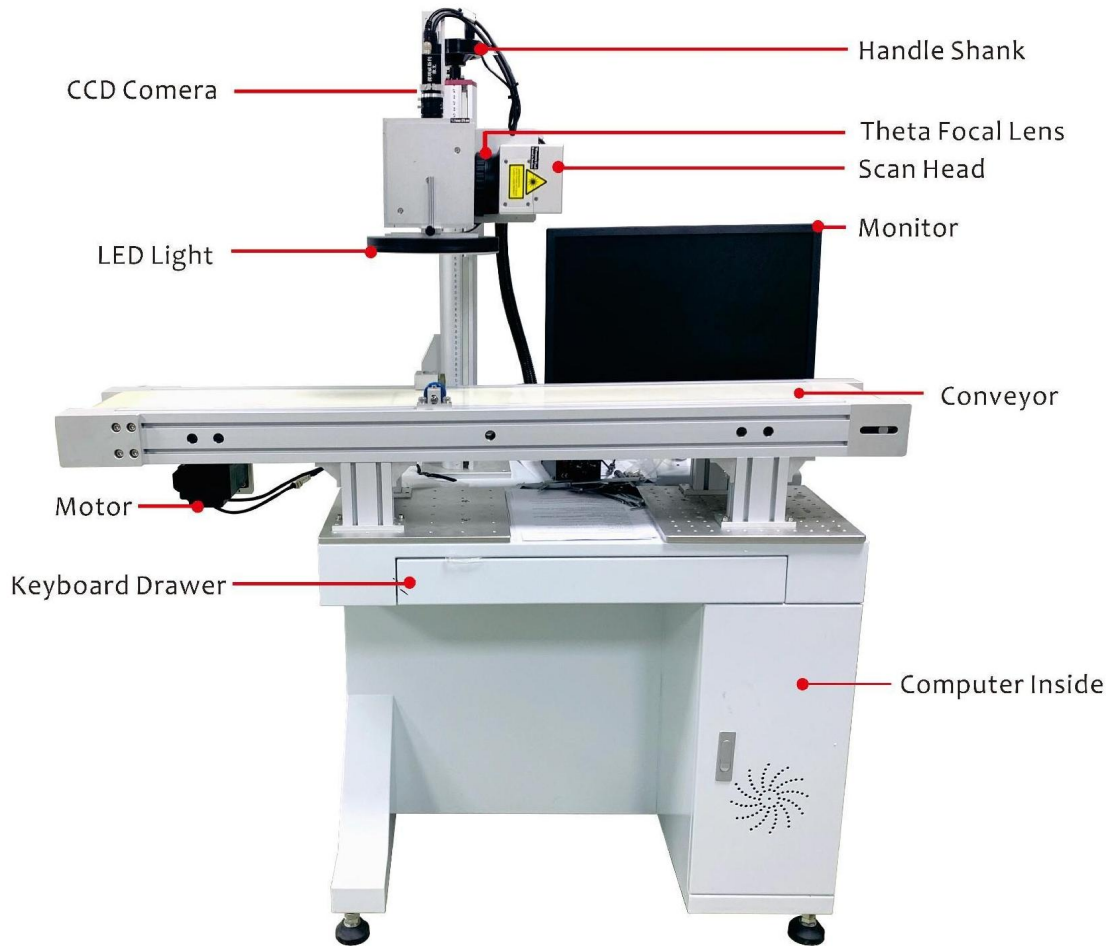
Whole machine has a warranty period of 24 months since the production date.

Training

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








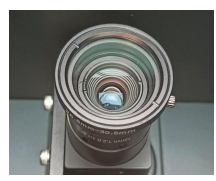
深圳市威斯利激光设备有限公司
 SHENZHEN WISELY LASER MACHINERY CO., LIMITED
 #10 BUILDING, #4 INDUSTRY ZONE HESHUIKOU,
 MATIAN, GUANGMING DISTRICT, SHENZHEN 518106 CHINA
 M: +86-150-13509330 E: sales@wwlaser.com W: www.wiselylaser.com
 智·信·銳意·敢擔當——威斯利激光



Advantages

- 1) Open worktable, easy to feed and unload the material, can work with customized automatic matching system.
- 2) Adopt high-series QE 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. China top brand 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 with Voltage Stabilizing Protection. Stable performance and long lifespan.
	2. Control System & Software Genuine BJJCZ controller, with stable performance and high reliability. EZCAD 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. HIKVISION camera Hikvision is an industry-leading R&D-based manufacturer of high-definition and high- precision cameras. There are 500w, 800w and 1300w different pixels depending on the precision you want.



4. Quality Brightness Adjustable Light

Can be circle, rectangle light.
Can be white, red color light. It can lighting from top or under the belt, to help the camera recognized the marking pieces.











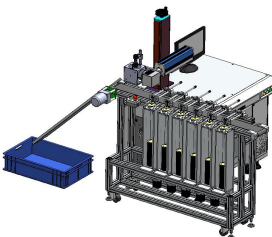

4. Quality sensors(if any)

With high-definition and high-precision sensors, once your marking pieces arrive under the laser head, the belt will stop and laser marking automatically.



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MATIAN, GUANGMING DISTRICT, SHENZHEN 518106 CHINA
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Automation For Fiber Laser Marking Machine

	1. Bearings Auto Marking Machine 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.		6. Double Conveyors Bearings Auto Marking Machine 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.
	2. X-Slide Moving Table Laser System 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.		7. Fiber Laser With X-slide Long Table 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.
	3. Auto Feeding System 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.		8. Metal Plate Auto Feeding & Marking System 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.
	4. Gantry Laser Marking Machine 600*600 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.		9. Automatic Rotation Table 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.
	5. Medal Auto Feeding Marking System 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.		10. CCD&Conveyor Auto Laser Marker This conveyor automation with CCD camera, good for small and similar products mass marking. The automation is equipped with HKVISION super good pixels camera, control software, servo/stepper motor system., improve marking efficiency, reduce labor cost.



sales@wwlaser.com



0086 150 13509330



WISELYGROUP



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