

M5 Collection

Intelligent Small Laser Marking Machine

Average output power

19W / 25W



Affordable and cost effective



PORTABLE, MINI-FOLDABLE

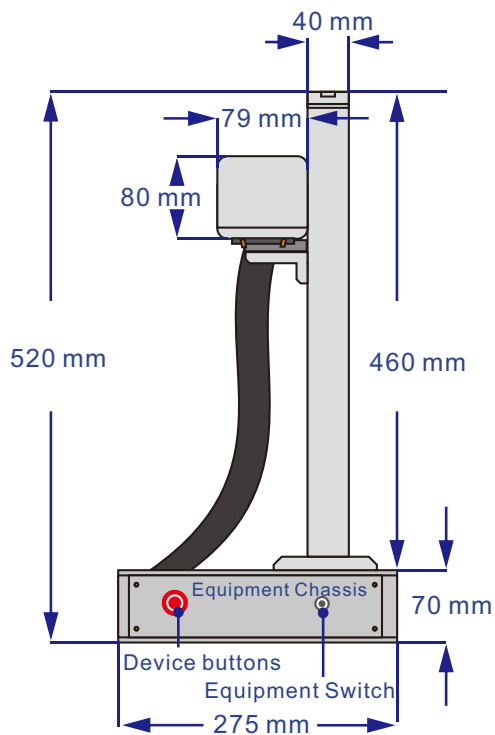


Model Introduction

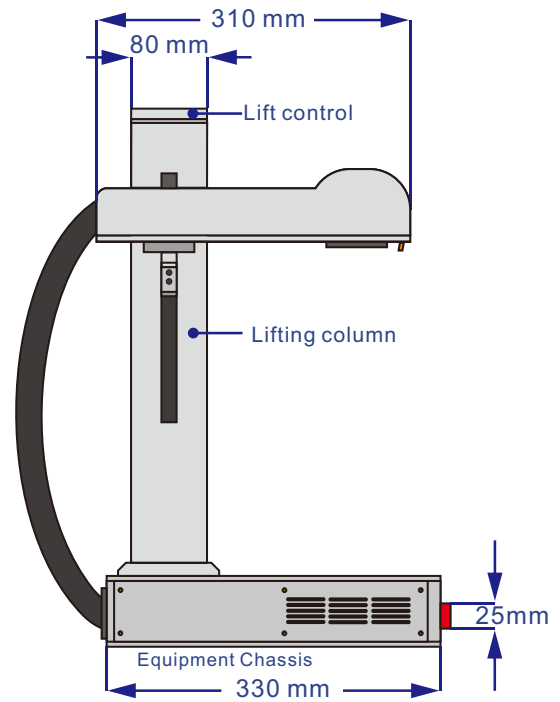
PRODUCT
DESCRIPTION

M5 series intelligent small laser marking machine belongs to the desktop fiber laser marking equipment, is the code clear laser for the equipment simple and compact, flexible and convenient demand for the development of economic models. The equipment has the advantages of economic and cost-effective (without computer, you need to configure your own computer to use), the whole machine is small and easy to carry, compact and solid, can be disassembled and folded, easy to carry, its marking performance is comparable to desktop machines, can easily meet most common laser marking applications. Translated with www.DeepL.com/Translator (free version)

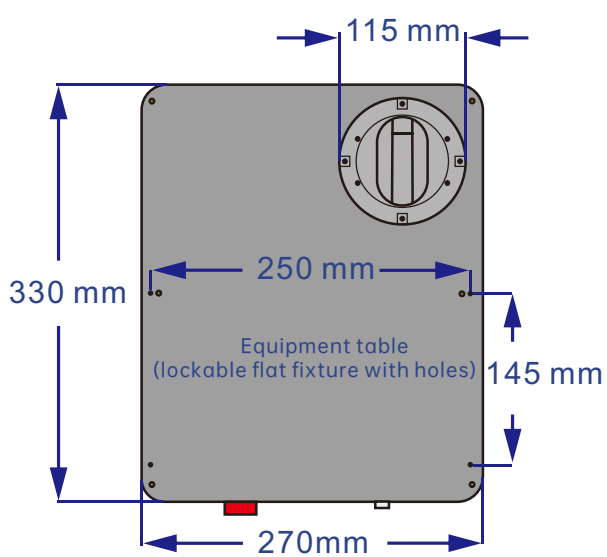
M5 series products use 1064nm wavelength fiber laser, which is suitable for various metal materials such as iron, copper and aluminum, gold and silver, and some non-metal materials such as PC, ABS, PVC, PC+ABS. Widely used in 3C, auto parts, electronic components, integrated circuits (PC), electrical appliances, precision instruments, hardware products, building materials, clocks and watches, jewelry and accessories, craft gifts and other industries. Translated with www.DeepL.com/Translator (free version)



Equipment front



Equipment side



Equipment top view



Actual picture of equipment

M4 screw reinforcement



Install different positions according to your actual situation. Can be flexible and versatile

Hexagonal screw reinforcement-M5 specification



Select tool #4

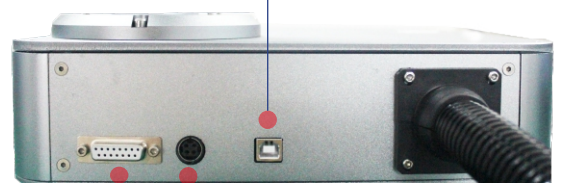


Laser light path

Lifting column

Equipment Chassis

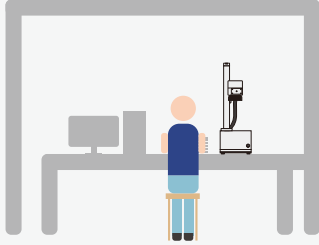
Computer Interface



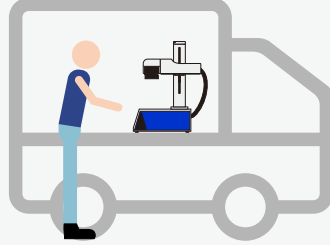
Power connector
Foot interface

Application Scenarios

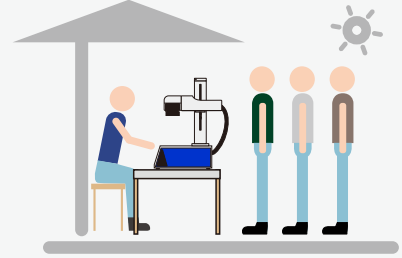
APPLICATION
SCENARIO



● Small Studio



● Ground floor economy



● Outdoor Activities

Effect show

MARKING
EFFECT



机型参数

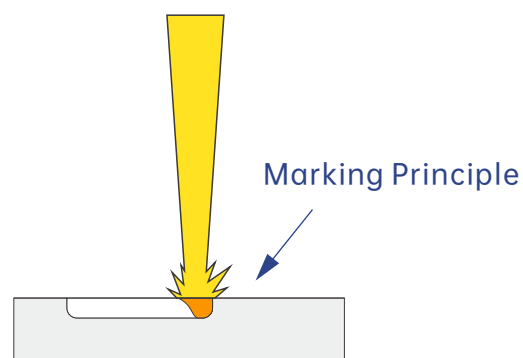
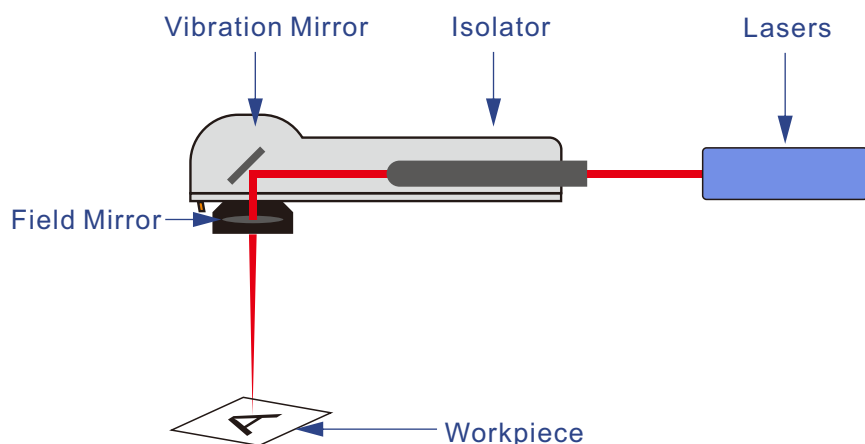
MODEL PARAMETERS

Model Series		20M5+	30M5+
Laser parameters	Laser Model	MFP-20M	MFP-25M
	Output power	19W	25W
	Beam quality M2	≤1.4	≤1.4
	Pulse repetition frequency	27-60 kHz	30-60 kHz
	Laser wavelength	1064±5 nm	
	Output power	< 3%	
	Design life	Approx. 100000 operating hours (non-life time)	
Optical properties	Marking range	100~150mm (range optional)	
	Engraving depth	≤1mm (depending on power and time)	
	Engraving speed	≤10000mm/s	
	Repetition accuracy	±0.002	
	Minimum marker line width	0.1mm	
	Minimum character height	0.15mm	
Usage environment	Cooling method	Built-in air cooling	
	System power supply	500W / 220V / 50Hz (can be connected to 110V)	
	Temperature, humidity	0~40°, 30% RH 85%, need to install air conditioning when using beyond the range	
	Oil mist, condensation	Not allowed	
Other parameters	Support System	Windows operating system	
	External dimensions	330X275X520 mm	
	Packing size	537X550X200 mm	
	Weight of the whole machine	Approx. 8.2kg	

Marking principle

MARKING PRINCIPLE

The mark is placed directly on the surface with the help of a strong pulsed laser beam, producing a very dark, high-contrast mark on the surface, achieving a durable mark with a uniform perspective and corrosion resistance.



Advantages of the model

MODEL
ADVANTAGE



360 degree rotating disc

Equipment Show

Compact and portable

- The whole machine weighs only about 8.2KG, small, compact and light, very convenient to carry
- Column, light path can be disassembled and boxed at will, easy to install, convenient storage
- The column can be adjusted at will on the marking table so it can be flexible and changeable

Cost-effective

- Affordable and economical models, with performance comparable to desktops and better value for money
- One integrated design, solid structure, stable performance, convenient after-sales service
- Desktop operation, small footprint, not limited by the use of space

High quality light source

- Adopt advanced fiber laser, good output beam quality and high reliability
- No consumables and maintenance-free, designed to last approximately 100,000 working hours
- Flexible application to metallic and some non-metallic materials

Simple and flexible operation

- Support Windows computer system, connect and install the software can be used
- Powerful control software, support multi-language, easy to learn operation
- Support text, patterns, QR codes, bar codes, running numbers, graphics and other content

Advantages of the model

MODEL
ADVANTAGE

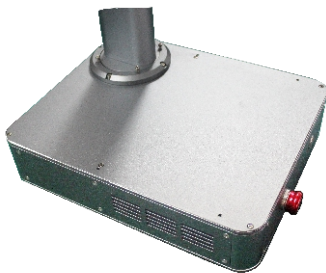


Affordable and economical model with high cost performance

Desktop fiber optic marking equipment, specifically developed for the needs of simple, compact, flexible and convenient equipment. The characteristics of the product, the price is affordable and economic, cost-effective.

Small and flexible, diverse applications

The whole machine weighs only about 8.2KG, compact and lightweight, very easy to carry, and can be used at any time. Switch to any use scene.

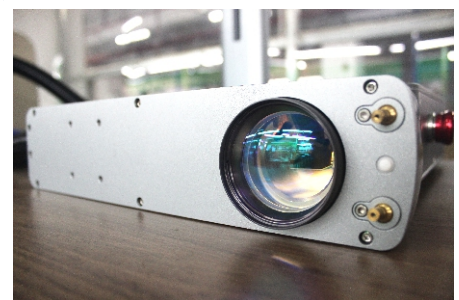


Compact and sturdy construction, one year warranty

One integrated design, novel style, compact and solid structure, stable performance. Guaranteed, we promise one year warranty for the whole machine.

Column light path can be flexibly disassembled

Flexible disassembly of light path and column, marking position at will, more convenient storage. Easy to disassemble, just twist and loosen the screws to disassemble.



Advantages of the model

MODEL
ADVANTAGE

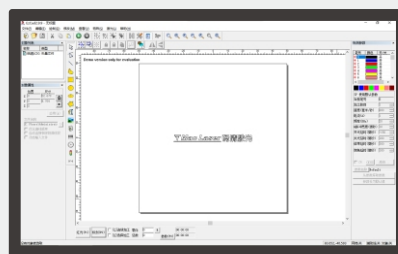


Advanced Fiber Laser

Adopt high quality light source, good quality of light spot, uniform optical power density, stable output optical power. With no light leakage, anti-reflection and other characteristics, to meet the mainstream market application needs.

Provide versatile marking software

Support Windows computer system, connect and install the software can be used, control software. Powerful, support a variety of marking formats, easy to learn to operate.



Double red light metal oscillator

Metal body structure, built-in double red light marking indication, with no adjustment, maintenance-free, and the advantages of high stability, upgradeable high-speed digital scanning oscillator.

Stowed rotary lift

Adopt manual rotary docking control, simple and beautiful design, easy to operate and can be stored.

