Mini laser marking machine

Average output power

20W

Economical and cost-effective

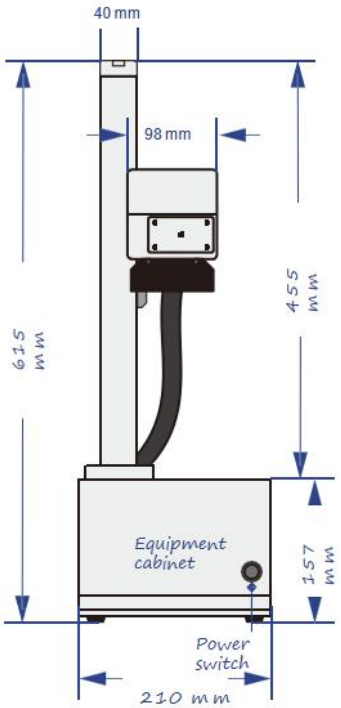
Portable, mini foldable

PRODUCT DESCRIPTION

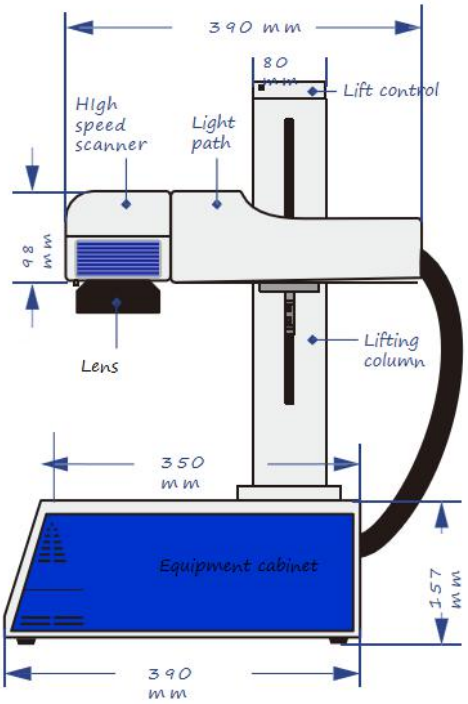
DPX-M series mini laser marking machine belongs to desktop fiber laser marking equipment. It is an economical model specially developed by Horizon Laser for the needs of simple, compact, flexible and convenient equipment. The equipment has the advantages of economical and affordable, high cost performance (computer is not included, you need to configure your own computer to use), the whole machine is small and easy to carry, compact and firm, detachable and foldable, and easy to carry. Its marking performance is comparable to that of a desktop machine. Easily meet most common laser marking applications.

DPX-M series products use fiber lasers with a wavelength of 1064nm, which are suitable for various metal materials such as iron, copper, aluminum, gold, silver, and some non-metallic materials such as PC, ABS, PVC, and PC+ABS. Widely used in 3C, auto parts, electronic components, integrated circuits (PC), electrical appliances, precision equipment, hardware, building materials, clocks, jewelry, craft gifts and other industries.

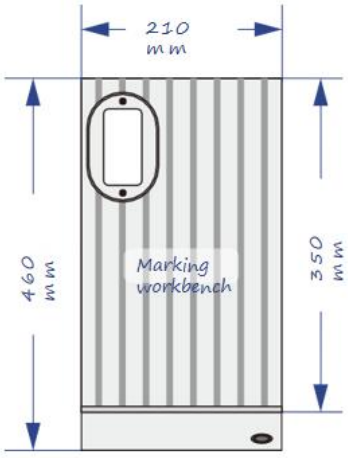
➢ PRODUCT SIZE



Front of the device



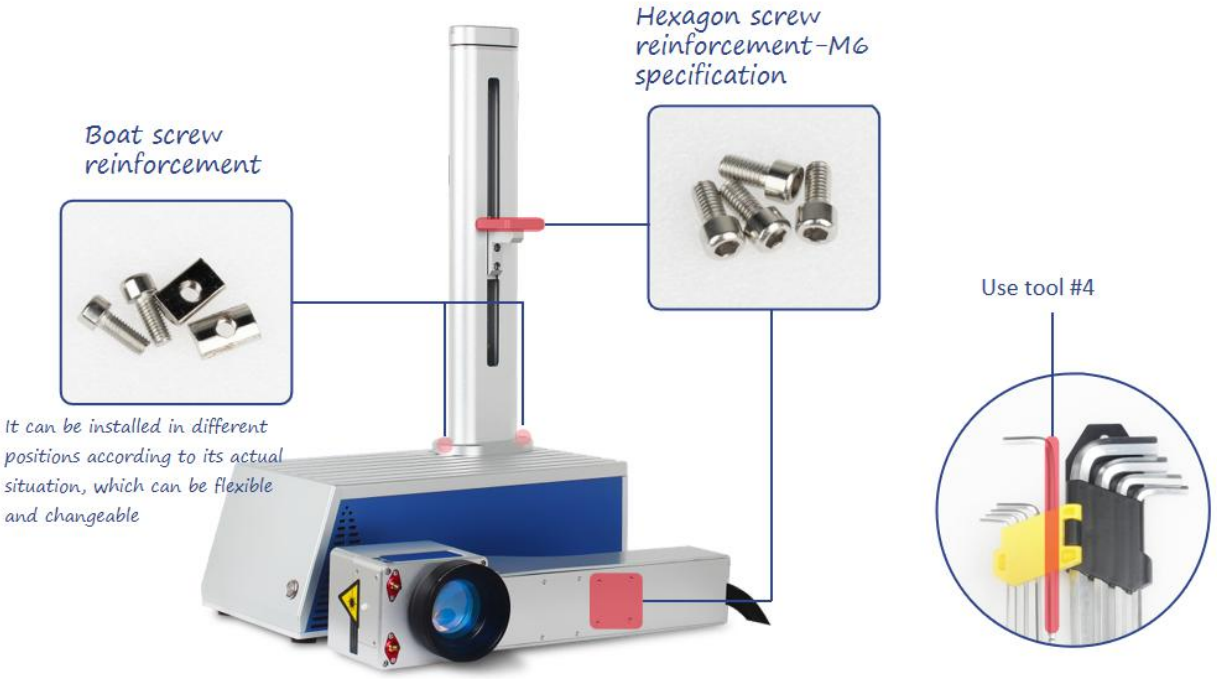
Device side

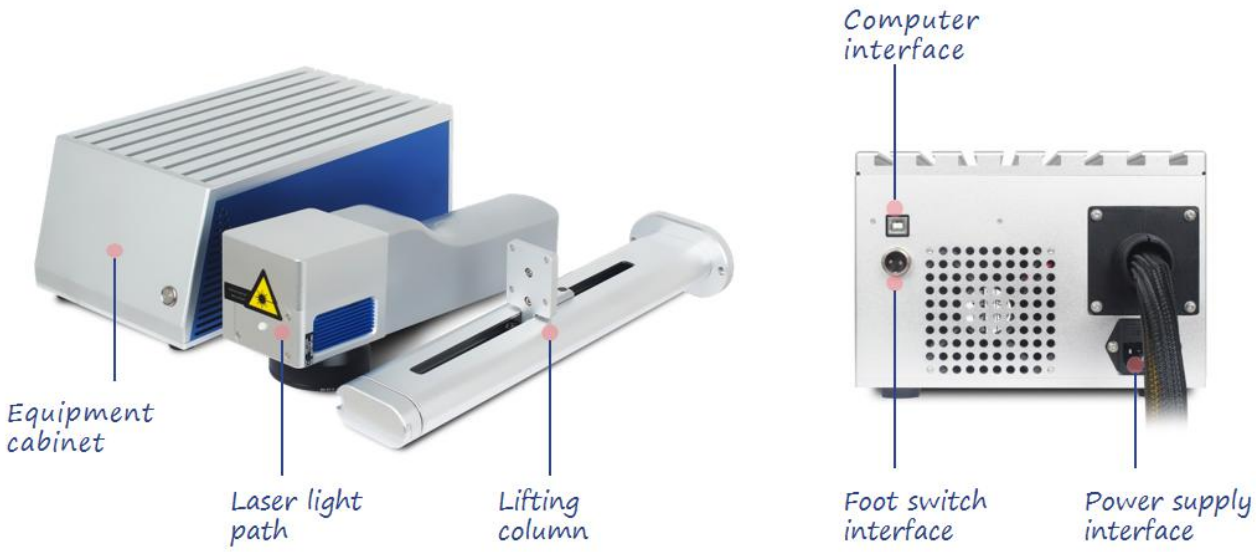


Top view of equipment

Equipment real shots

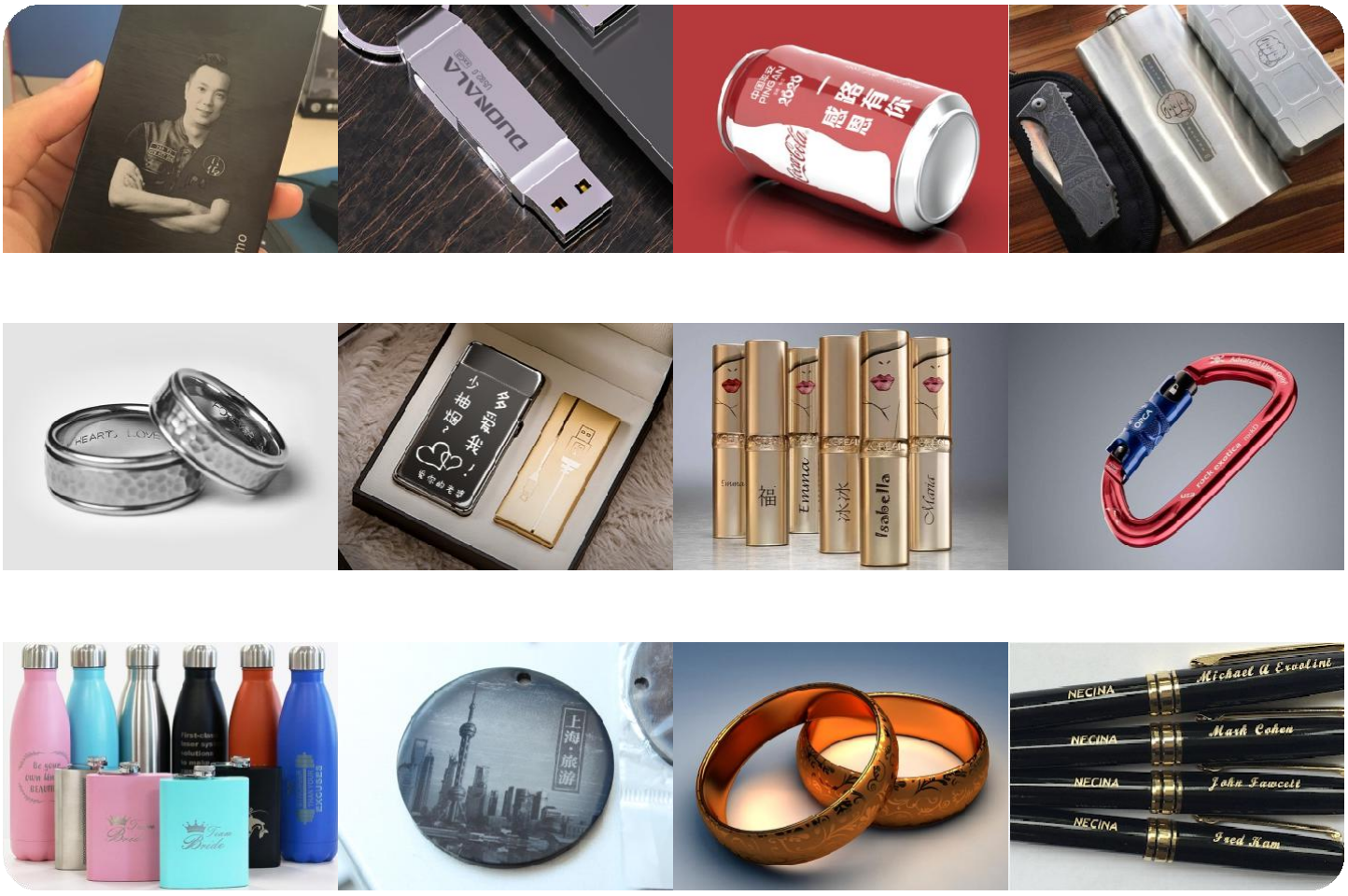
➢ PRODUCT INSTALL





➢ APPLICATION SCENARIO

➢ MARKING EFFECT



➢ MODEL PARAMETERS

Model		DPX-M20
Laser parameters	Laser model	MFP-20X/20QS
	Output Power	18.5/20W
	Beam quality M2	⩽1.4
	Pulse repetition frequency	27-60 kHz
	Laser wavelength	1064±5 nm
	Output power stability	< 3%
	Design life	About 100,000 working hours (non-lifetime)
Optical properties	Marking range	100~150mm（Range optional）
	Engraving depth	⩽1mm（Depends on power and time）
	Engraving speed	⩽10000mm/s
	Repeat accuracy	±0.002
	Minimum marking line width	0. 1mm
	Minimum character height	0.15mm
Use environment	cooling method	Air-cooling
	System power supply	500W / 220V / 50Hz（Acceptable 110V）
	temperature humidity	0~40° ，30%⩽RH⩽85%，Air conditioner must be installed when used outside the range
	Oil mist, condensation	Not allowed
Other parameters	support system	Windows
	Dimensions	390X210X615 mm
	Packing size	680X5500X270 mm
	Total Weight	Around 20kg

➢ PRODUCT FEATURE

Affordable economical model, high cost performance

Desktop optical fiber marking equipment, a special product specially developed for the needs of simple, compact, flexible and convenient equipment, affordable, economical, and cost-effective

Small and flexible, diversified applications

The whole machine weighs only about 20KG, small, compact and light, very convenient to carry, and can be used at any time

Switch to any use scene

Compact and sturdy structure, one year warranty

One-piece integrated design, novel style, compact and firm structure, stable performance and guaranteed, we promise the whole machine warranty for one year

Column light path can be flexibly disassembled

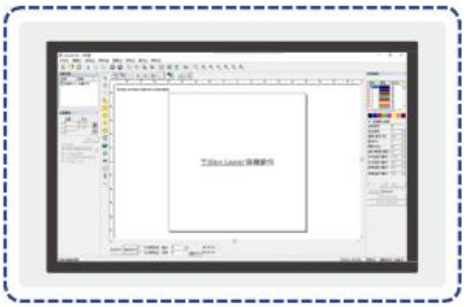
The light path and the column can be flexibly disassembled and assembled, and the marking position can be arranged as you want, making it more convenient to store;

Easy to disassemble, just loosen the screw to disassemble

➢ PRODUCT FEATURE

Advanced fiber laser
Using high-quality light source, the spot quality is good, the optical power density is uniform, the output optical power is stable, and it has the characteristics of no light leakage, anti-high reflection, etc., and meets the mainstream market application requirements

Provide multifunctional marking software
Support Windows computer system, install the software and use it after connection, the control software is powerful, supports a variety of marking formats, the operation is simple and easy to learn



Double red light metal galvanometer
Metal body structure, built-in dual red light marking instructions, with the advantages of adjustment-free, maintenance-free, and high stability, and can be upgraded with high-speed digital scanning galvanometer

Retractable rotary lift
It adopts manual rotary docking control, the design is simple and beautiful, easy to operate and can be stored