HBS-DB-10A

LASER MARKING MACHINE

Technical Parameter	
Model	HBS-DB-10A
Laser Peak Power	≤50kW
Laser Wavelength	1064nm
Beam Quality	<2
Laser Repetition Frequency	≤70KHz
Marking Area	110mm x 110mm
Making Depth	≤0.5mm (Adjustable with different material)
Marking Speed	≤7000mm/s
Min. Line Width	0.02mm
Min. Character Size	0.3mm
Repetition Accuracy	±0.001mm
Power Consumption	≤500W
Power Supply	220V/50Hz/10A
Cooling method	Air Cooled

Optional Lens

Focal Length	Marking Area
100mm	65mm x 65mm
250mm	175mm x 175mm

Packing

Size(mm)	880X1000X370(machine head: 300X700X720, controller:460X450X180)
N.W.(kg)	33(machine head: 18, controller: 15)
G.W.(kg)	41

Product Introduction

●This machine uses imported solid laser parts, equipped with NLIGHT laser module from US, British Gucci Q-switch and multiple laser power protection. All of these ensures the laser machine with high efficiency, long working life and high stability.

●This system adopts air-cooled design, high-precision temperature control and excellent laser stability. It is guaranteed for 24-hours continuous operation at room temperature.

Product Features

● The peak power of laser output is high, tiny pulse width.

● Tiny laser output spot, slim marking line, competent for marking delicate and intricate graphic etc.

●Air cooled design, whole structure is compact with small volume.

● The system is stable and easy to operate.

● English and Chinese control interface is easy to operate, and very compatible.

Product Application

●Common metal and metal alloy (all kinds of metals such as iron, aluminum, magnesium, zinc), rare metal and rare metal alloy (gold, silver and titanium); metallic oxide (all metallic oxide is possible), special surface treatment (phosphate, aluminum anodizing, electroplating); ABS material (electric appliances casing, daily utilities), ink (light button, printed material), epoxy resin (sealed packing and insulated layer of electronic components)

●The machine is widely used in electronic products such as all kinds of buttons and switches.

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