



ULTRAVIOLET LASER MARKING MACHINE HBS-ZG-3



Technical Parameter	
Model	HBS-ZG-3 HBS-ZG-5
Laser Wavelength	355nm 266nm
Laser Power	3w /5w
Marking Area	50×50mm/100×100mm
Marking Speed	≤7000mm/s
Beam Quality	<2
Q Frequency Tuning	8Khz-15Khz
Min. Line Width	0.01mm
Min. Character Size	0.2mm
Repetition Accuracy	±0.003mm
Power Consumption	2kw
Power Supply	220V/ Single-Phase/50Hz/10A

high operation efficiency, optimized modular design for convenient installation and maintenance. Equipped with two-dimensional automated workstation, it can realize marking continuously in multi-stage or large-size marking. The laser marking line is very fine that suitable for marking with high demand, it's mainly applied to mark the products such as LCD screen, IC wafer and IC chips.

Applicable Materials & Industry

Mainly used in the marking and surface processing of materials such as of all sorts of glass, TFT, LCD screen, Plasma screen, textile products, ceramic chip, mono-crystal silicon wafer, IC chip, sapphire and thin polymer film. The main advantage of Ultraviolet laser is in the complementing of the shortcoming of other bandwidth lasers in precision machining and processing of special materials.

Product Introduction

Ultraviolet Laser Marking Machine is self-developed by HBS and has the world's most advanced technology. It has following features: high electro-optical conversion rate, long working time of nonlinear crystal, high stability, high positioning accuracy,



FIBER LASER MARKING MACHINE HBS-MP-30



Product Introduction

30W Fiber Laser Marking Machine adopts the latest advanced MOPA platform technology. It is more diverse and flexible than the conventional Q-switch platform and wider pulse width range. The adjustment of different pulse width can indirectly affects the different peak power depending on the materials for marking and marking results. Marking with effective frequency of up to 500KHz is the most advanced technology in fiber laser marking today.

Product Features

- Enhance the marking speed at the utmost, the average marking speed is twice as fast as conventional marking machine and even five times faster than the others when marking certain materials.
- Beam spot quality M2 1.2, finer marking and better result
- Excellent laser spot quality and high peak power makes it possible to create the best marking result.
- Settable bandwidth option, no trailing, no light-leaking, ensuring high frequency and peak power, wide application.
- Built-in double light isolation design, minimal thermal damage and non-splashing

Technical Parameter	
Model	HBS-MP-30
Laser Power	30W
Laser Wavelength	1064nm
Repetition Frequency	10-500Khz
Beam Quality	M2<1.2
Marking Area	110mm x 110mm / 220mm x 220mm
Marking Speed	≤7000mm/s
Min. Character Size	0.3mm
Repetition Precision	±0.002 mm
Power Supply	Single-Phase220V/50Hz-60Hz
Single-Phase	90-260V/50Hz-60Hz
Power Consumption	≤500W
Operating System	Win7, Win XP
Cooling method	Air cooled

Product Application

Widely used in the products that requiring high depth, high smoothness, high fineness and black marking on aluminum, such as clocks & watches, mould, integrated circuit chip, computer accessories, industrial bearing, electronic & communication products, aerospace products, automotive spare parts, household appliances, hardware, tools, silverware, gold, wire & cable, food packaging, jewelry, etc.

