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UV Laser Marking Machine

紫外激光打标机 LS-UV Series



Machine Description 机器描述

Hispeed UV laser marking machine is widely used for super fine marking and engraving, can mark on the surface of all kinds of regular plastic,glass and crystal, especially suitable for food and pharmaceutical packaging marking and micro porous, high-speed division of glass materials and cutting of complex pattern for silicon wafer and some other areas.
UV laser marking machine is developed by using a 355nm UV laser, it adopts third-order cavity frequency multiplication technology. Compared to infrared laser, the focusing spot of UV laser is much smaller, which helps to reduce the mechanical deformation of the materials to a large extent. It features of smaller heat affected area and more beautiful marking effect.
紫外激光打标机广泛用于超细标记和雕刻，可在各种常规玻璃和水晶表面标记，特别适用于食品和药品包装标记和微孔，玻璃材料的高速分割和切割 硅晶片和其他一些领域的复杂图案。紫外激光打标机采用 355nm 紫外激光器开发，采用三阶腔倍频技术。 与红外激光相比，紫外激光的聚焦点要小得多，这有助于在很大程度上减少材料的机械变形。它具有较小的热影响区域和更美丽的标记效果。

Features & Advantage 特点和优势

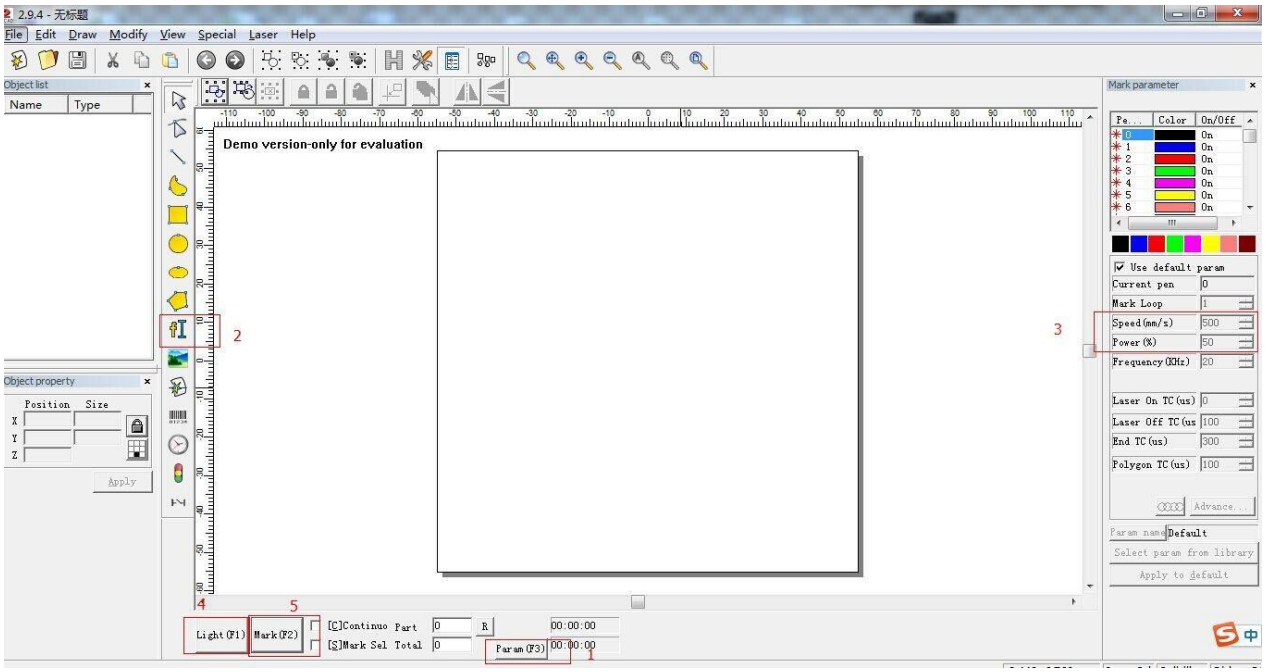
- Wide range of application 适用范围广
- No consumables, free Maintenance 无耗材、免维护
- Water cooling design, stable performance 水冷设计，性能稳定
- High marking speed, high efficiency, high precision 打标速度快，超高精细度
- Short wavelength, high single-photon energy 激光波长短，单光子能量大
- Software with powerful edit function but easy operation 软件功能强大，操作简单

Applications & Materials 适用行业材料

- Metal and Non-metal Materials 金属和非金属材料
- Glass Marking 玻璃材料
- LCD Screen, Plasma Screen Marking 液晶屏、等离子屏打标
- Thin Ceramic Marking 薄片陶瓷打标
- Silicon Chips Marking 单晶硅片打标
- IC Grain Marking IC 晶粒打标
- Polymer Film Marking 高分子膜打标
- Auto Parts Marking 汽车配件打标
- Other High Value-added Products Marking 光盘等较高附加值产品的打标

Technical Parameters 技术参数

Model	机器型号	LS-UV-3/5/10
Laser Power	激光输出功率	3W,5W,10W（Optional）
Laser wavelength	激光波长	355nm
Beam Quality	光束质量	M2<1.3
Output Power	激光输出功率	10%-100%
Output Frequency	激光输出频率	15KHz-100KHz
Power Stability(8h)	功率稳定性	±2%rms
Cooling Style	冷却方式	Water-cooling
Min Line Width	最小线宽	0.01mm
Min character	最小字符	≥0.05mm
Repeated Accuracy	重复准确性	±0.002mm
Working Area	打标范围	≤300*300mm(Optional)
Machine Size	机器尺寸	650mm(L) x 800mm(W) x 1500mm(H)



（software interface for reference）

Standard Accessories 标准配件

1.Laser Source - China Top Brand UV laser device(lifetime 20,000hours-30,000hours)

2.Laser Galvometer Scanning Head- China Top Brand

3.Laser Marking Control Card and Software - Latest Version Ezcad with powerful edit function

4.Taiwan MW Laser Power Supply

5.Taiwan MW Laser Switch Power

6.Hispeed Laser - High quality F-theta Lens

7.Hispeed Laser - Industrial Computer & Screen

8.Hispeed Laser - Red Light Pointer

9.Hispeed Laser - Laser Controlling Cabinet

10.Hispeed Laser - Laser Working Plate

11.Water Chiller

12.Foot Switch

13.Deliver in plug & play state

14.Packing complying with the Export Packing Standard

15.Life-long after-sales service;Free consultation & guidance support

16.Fitting Parts(Free of Charge):1 set of tools,1 piece of protective googles,1 box of aluminum sheet for testing(100sheets)



Samples 样品展示









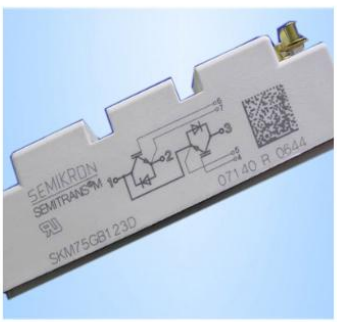


























After Service 售后服务

1.All of our machine will be fully-checked by our quality control department before the shipment. We guarantee all of our laser machines have a one-year warranty (quick-wear parts not included).

2.Training details: operation principles, system and structure, safety and maintenance, software the processing technique, and so on.

3. Numerous feedback from our clients have proven that our laser machines are stable in performance with rare malfunction. However, we would like to handle it as follows once malfunction occurs:

a.We guarantee that we will give you a clear reply within 24 hours.

b. Customer service staff will assist and guide you to analyze the malfunction in order to locate the cause.

c. If the malfunction is caused by improper operation on software and other soft faults, we will help solve the problem on line.

d.We will offer plenty of online supports, just like detailed technical and installation instructions by email,video, telephone. (Training by team viewer)

公司提供免费技术培训，安装调试完毕后，在买方现场或卖方国内培训维修中心对买方操作人员进行技术培训，直至操作人员达到基本正常使用该设备为止，主要的培训内容如下：

1. 常用绘图软件的使用培训；
2. 开关机器操作规程培训；
3. 面板及软件控制参数的意义,参数选择范围的培训；
4. 机器的基本清洁处理和保养；
5. 常见硬件故障处理；
6. 操作中应注意的问题:除此之外还为用户提供其所生产产品的相关技术支持。

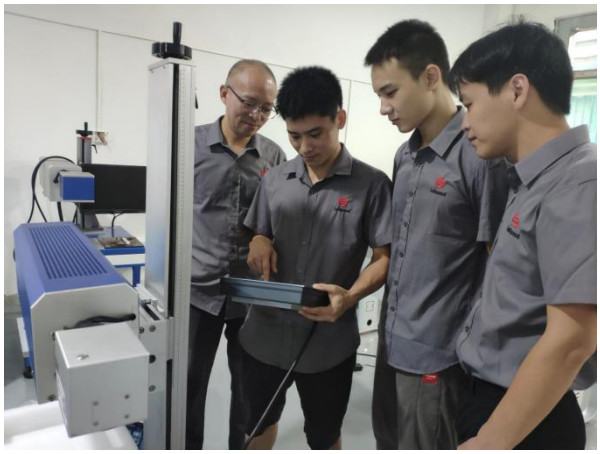
Company Profile 公司简介

Hispeed Laser Technology Ltd(formly Lospeed) is a high and new technology enterprise. Hispeed is our brand.
Hispeed has a number of high standard electronics, optical and precision machinery research specialists.
Depending on the advanced measuring instruments, complete and high efficiency production processes and a strict quality management system, we provide customers with the first-class products and quality services.
Our products include fiber laser marking machine,CO2 laser marking machine,UV laser marking machine,CO2 laser cutting machine,laser machine spare parts such as laser source,laser tube,laser lens,etc.
Hispeed laer have been exporting to more than 60 countries, enjoying a high reputation among the users.
We are still trying our best to innovate our products to assist worldwide customers in lowering their costs and increasing their return.

东莞市乐速光电科技有限公司是一家专业提供工业激光设备和激光技术整体解决方案的高科技企业，为国内外客户提供一整套激光加工解决方案及相关配套设施，主要产品包括：光纤激光打标机系列、二氧化碳激光打标机系列、紫外激光打标机系列，激光切割机系列等多个系列的工业激光设备及其配套产品。
乐速激光公司本着服务顾客，创造顾客的理念，将乐速激光带给了全球顾客，并营造了良好的品牌形象，乐速激光进一步挑战发展速度的制高点。

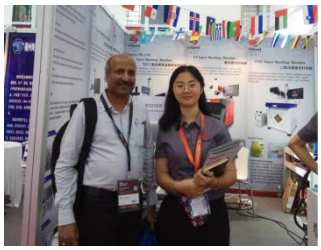








Exhibition



Team Activities






Customers








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Thank You !