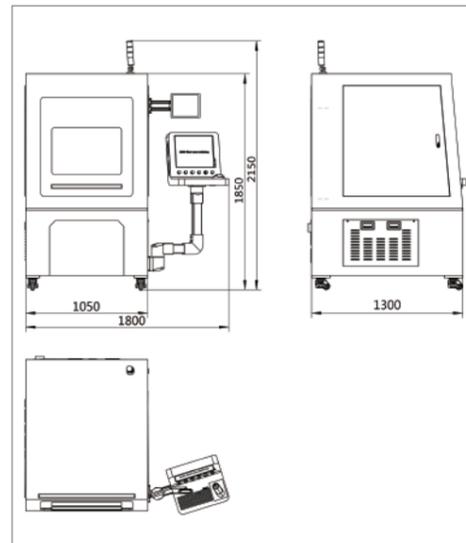
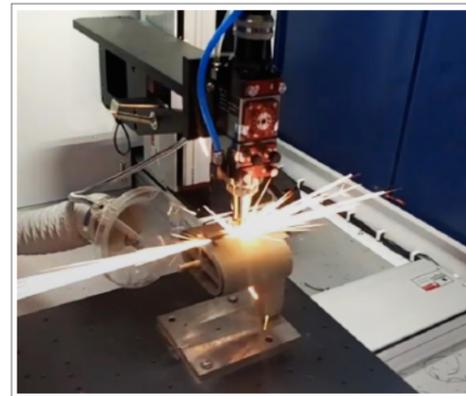


超硬材料激光切割机

SUPERHARD MATERIAL LASER CUTTING



产品介绍 Introduction

本设备主要对超硬材料刀具复合片、陶瓷、单晶等对切割面质量要求较高的产品进行激光切割，激光聚焦 CCD 同光路电视监视。精密三轴运动工作台和工业控制计算机系统组成。自行研制新版软件系统，功能强大，也可用 CAD 图形自动编程，切面光滑，装夹方便，长期工作稳定可靠。

This equipment mainly performs laser cutting on products with high requirements on the quality of cutting surfaces such as super-hard material tool composite sheets, ceramics, single crystals, etc., laser focusing CCD and optical path television monitoring. It consists of a precision three-axis motion table and an industrial control computer system. The new version of the software system is developed by itself, and it can be automatically programmed with CAD graphics. The cutting surface is smooth, the clamping is convenient, and the long-term work is stable and reliable.

设备特点 Feature

- 光束质量好，加工效率高，切缝精细。
- 垂直度好，切割面垂直度小于 1.5°。
- 切缝窄、良品率高，切缝边棱平直，热损伤小。
- Good beam quality, high processing efficiency, and the cutting slits are fine.
- Good verticality, and the perpendicularity of the cutting surface is less than 1.5°.
- The cutting slit is narrow, high yield, the edge of the cutting slit is straight, and the thermal damage is small.

应用行业 Application

广泛应用于磨具、刀具等行业。
Widely used in abrasives, cutting tools and other industries.

适用材料 Materials

适用于 PCD 拉丝模、PCD 复合片、CVDD、各种 PCBN、单晶钻石、陶瓷、硅片、硬质合金、薄钢板等各种材料的高效切割和精密加工。

It is suitable for high efficient cutting and precision machining of PCD drawing die, PCD laminate, CVDD, various PCBN, single crystal diamond, ceramics, silicon wafer, cemented carbide, thin steel plate and other materials.

性能 / 型号	Performance/model	SK-LC300	SK-LC450	SK-LC600
激光波长	Wavelength		1064nm	
重复频率	Repeat frequency rate		1-300Hz	
最小光斑	Min.light spot		<0.05mm	
最大切割厚度	Max.cutting thickness		≤8mm	
最大切缝宽度	Max.slit width		≤0.1mm	
最大线割速度	Max.linear cutting speed		10mm/s	
PCD 加工速度	PCD machining speed		0.5mm/s (δ=2mm)	