



IDS

**3D UV Crystal
Laser Engraving Machine**



Overview

- **Small size, large function**, simple and lightweight design of body, movable and flexible marking;
- **High-speed precision internal carving**, optimize the carving path, to achieve efficient and accurate crystal internal molding;
- **Professional software intelligent optimization**, automatic calculation of internal carving parameters, improve marking efficiency;
- **Electric lifting device**, equipped with lifting button, according to the marking needs to move the height of the working table;
- **Industrial-grade galvanometer**, with high scanning accuracy, a speed up to 7000mm/s, and excellent marking effect;
- **Ultra-fine marking**, with an accuracy of up to 0.001mm, and no damage to the marked material.

Size



Packaging Method:
Wooden crate + bubble wrap
Product Size: 350*280*500mm
Packaging Size: 420*320*580mm
Product Weight: 24kg
Packaging Weight: 33kg

Parts List



Power Cord



Ethernet Cable



Correction Card



Focusing Film



USB Flash Drive

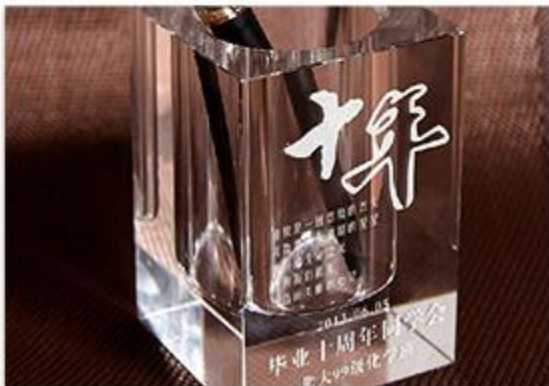
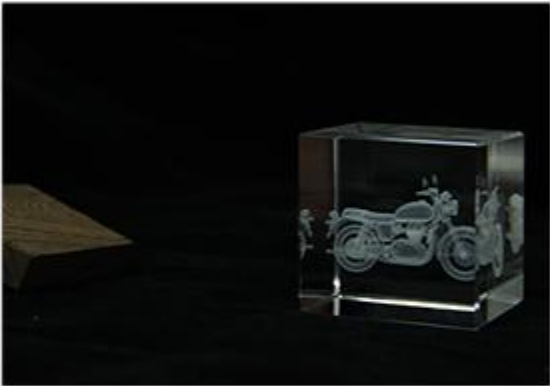


Foot Switch

Parameter

Product Model	IDS
Laser Power	5W 355nm
Marking Range	70*70mm
Focus Length	80~100mm
Marking Speed	7000mm/s
Marking Depth	≤0.1mm (View materials)
Minmum Line Width	0.01mm (View materials)
Lifting Method	Electric lifting
Focusing Method	Manual focus
Connection Method	Ethernet port
Support Software	RK-CAD
Support File Formates	2D:SVG,DXF,JPG,JPEG,GIF,PNG,BMP,WEBP 3D:STL,OBJ,AMF,3MF,GLB,PLY
Support System Types	Windows
Software Language	CN/EN/DE/FR/ES/TC/JA/KOR
Power Supply Standard	110V-240V 50HZ-60HZ
Operating Temperature	10℃~30℃

Sample Showcase

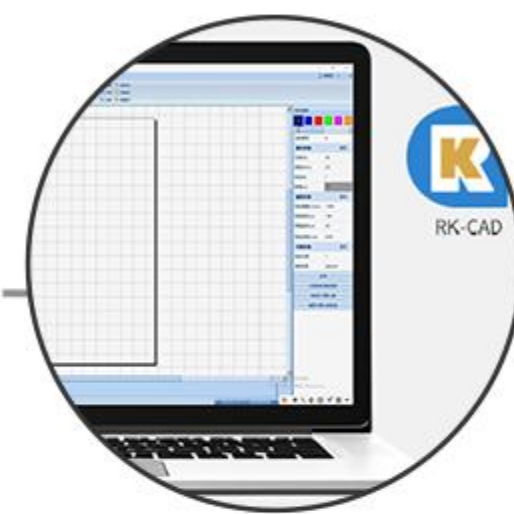


Advantages



• Compact In Size

Lightweight body design,
convenient to carry,
any marking free space



• Intelligent Software

RK-CAD Professional marking software,
support a variety of file formats



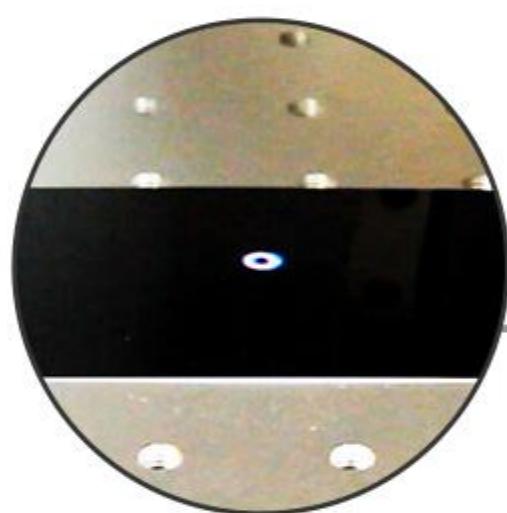
• Electric Lifting

Electric lifting adjustment, with just one
press to adjust the working height,
effectively improving the marking efficiency



• Precision Internal Engraving

UV laser can achieve permanent three-
dimensional engraving of crystal while
keeping the surface completely unaffected



• Manual Focus

Manually adjust the height to achieve precise
focusing, making the marking and focusing
more accurate



• Twist Switch

Simple steps, without complex operation,
easy marking requirements