



GEM SPIDER 3D Crystal Laser Engraving Machine

SPIDER-II



GEM LASER LIMITED

A Legend Laser machine Manufacture & Solutions

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GEM LASER CO.,LIMITED

Product Advantage



OVERVIEW

3D has been in this 3D crystal laser engraving business for more than 10 years and this model has been proved to be the most cost-effective model available till now. Its smart operation, fairly fast engraving speed, and great performance makes it a popular choice for new business running.

APPLICATIONS

2D/3D Laser Sub-surface Engraving

Glass laser finishing products has a wide application, and it can be used in 2D/3D Laser Sub-surface Engraving for all the area of glass decoration, glass furniture, glass painting, glass photo, etc.

Education

With 3D digital equipment, 3D digital software, 3D printer, kinds of CAD/CAM/CAE software, 3D scanning detection system, 3D printing and manufacturing equipment, advanced laser system, engineering training center in college is extended to an integrated platform and provide experimental support for digital research & development of products, and machining simulation in workshop and production line



Both 2D pictures and 3D models can be engraved with smart operation

Fine details without blocking and ideal engraving range at 160*140*150mm in ellipse



Air cooling system is adopted to grant you easier maintenance and higher work efficiency; compact size makes it portable for business running

SPECIFICATIONS

Model	SPIDER-II
Laser	Diode pumped laser 532 nm
Diode life	20,000 hours
MONSTERimum engraving range(mm)	160*130*100mm
Point distance(mm)	0.07-0.12mm
Point size(μm)	40-80μm
MONSTERimum engraving speed	3000 points/second
Resolution	800dpi
Mass production	NO
Accuracy(X,Y,Z axes)	0.02mm/300mm
Repositioning Accuracy(X,Y,Z axes)	<3μm/300mm
Power consumption	500W
Equipment Dimension before packing	740mm*500mm*613mm(L*W*H)
Equipment Dimension after packing	990mm*800mm*1200mm(L*W*H)
Machine weight before packing	75Kg
Machine weight after packing	110Kg
Cooling system	air cooling system
Working environment	15°C~30°C
Humidity	less than 85%, no dew
Air	clean, noncorrosive
Operating system	Windows 2000、 Windows XP、 win7 32bit
Voltage and current	100-240VAC,5A
Voltage fluctuation of power supply	<10%
Frequency	50/60HZ
Power grid and ground wire	In accordance with the international machinery requirements
Processing material	crystal,glass, etc
Single engraving range	160*130mm,oval