LASER MARKING MACHINE

FEATURES

1 Using imported laser module, the output power is stable, it can exactly control the spot size and depth.

2 Adopt air cooling system, it is smart and portative.

3 Very long using life around 100000 hours, energy conservation.

4 Maintenance Free, save equipment and worker cost;

5 Higher photoelectric conversion efficiency, Low power consumption;

6 Red light preview, more accurate and reduce positioning time;

7 Laptop with Powerful marking software;

8 User friendly software interface, easy operation;

9 Set and deal different layers graphic separately;

10 Support PLT,PCX,AL,DXF, BMP,JPG formats file;

11 Compatible AutoCAD,CorelDraw,Photoshop etc software Automatic serialization,date coding letter, symbol, pattern, figure, image, bar code, 2D code auto arrangement and amendment.

APPLICATION INDUSTRY

AOL Fiber laser marking machine can mark on metal and a variety of non-metallic materials, especially suitable for some occasions of detailed requirements and high precision. It is used in electronic components, hardware tools, accessories, integrated circuit (IC), electrical appliances, mobile communications, precision instruments, spectacles and clocks, jewelry, auto parts, plastic buttons, construction material, PVC pipe, medical equipment and other industries.

APPLICATION INDUSTRY

Metals and alloys (iron, copper, aluminum, magnesium, zinc and all other metals),plastics,rare metals and alloys (gold, silver,titanium), metal oxides (metal oxide may be), special surface treatment (Phosphatize, aluminum anodizing, electroplating the surface), ABS material (electrical appliances shell, daily necessities), ink (translucent keys, print products), epoxy resin (electronic components, packaging, insulation layer).etc.

TECHNICAL PARAMETER

Model	AOL-D20	AOL-D30	AOL-D50
Working size	100*100mm (200*200mm 300*300mm for optional)		
Laser power	20W	30W	50W
Laser wavelength	1064mm		
Mini laser line width	0.01mm		
Max marking speed	10000mm/s		
Depth	0.01-0.2mm		
Cooling mode	Air cooling		

CO2 LASER ENGRAVING AND CUTTING MACHINE

AOL-1325

AOL-1390

TECHNICAL PARAMETER

| Model	AOL-A3	AOL-A6	AOL-A8
Working area	1300*900mm	1600*1000mm	1300*2500mm
Laser tube power	60W/80W/100W/130W/150W/280W		
Laser type	CO2 sealed glass laser tube	Positioning accuracy	≤+0.01mm
Cooling type	Water cooling	Controlling software	DSP control system
Engraving speed	0-60000mm/min	Support format	DST PLT BMP DXF DWG AI LAS
Cutting speed	0-40000mm/min	Support software	TAJIMA, CORELDRAW, PHOTOSHOP, AUTOCAD
Control laser power	0-100% software setting	Separations cutting	yes
Resolution	4000DPI	Power	AC110V/220V+10%, 50HZ/60HZ

FEATURES

widely used 1 The laser machine has engraving & cutting and scanning functions, and more functions, widely used.

metal sheet 2 Adopt high-tech, have best precision and engraving smaller letters, also is the one and only can cut metal sheet in Chinese laser engraving & cutting machine supplier.

accuracy 3 All models adopt imported components, ensure the high accuracy, faster speed and longer life.

customize 4 According to process different materials, can optional knife strip table, honeycomb table and flat table. The materials can through the laser machine front and rear, materials length is unlimited;

LCD panel 5 LCD controlling panel support various languages and clear display, more convenient operation.

APPLICATION INDUSTRY

For advertising decoration, clothing, computer embroidery and clipping, packaging, printing, engraving, crafts, toys, electronics, model, paper products, etc.
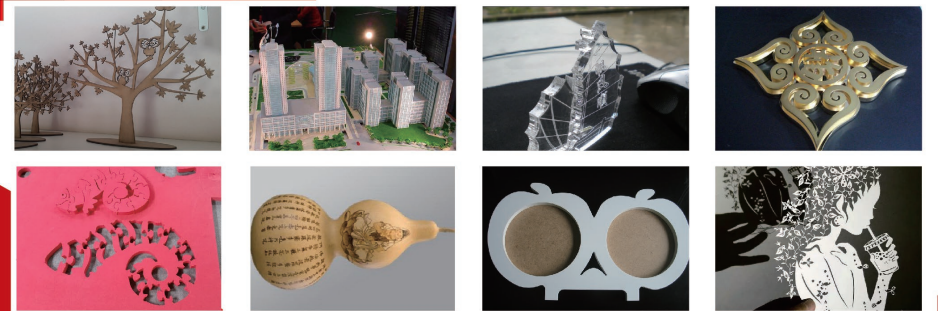
AUTO FEEDING LASER CUTTING MACHINE

AOL-1610S

AOL-1830S8
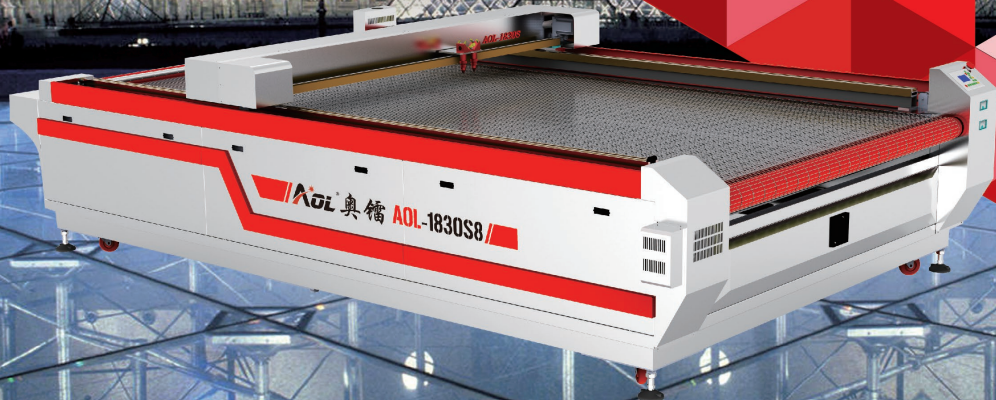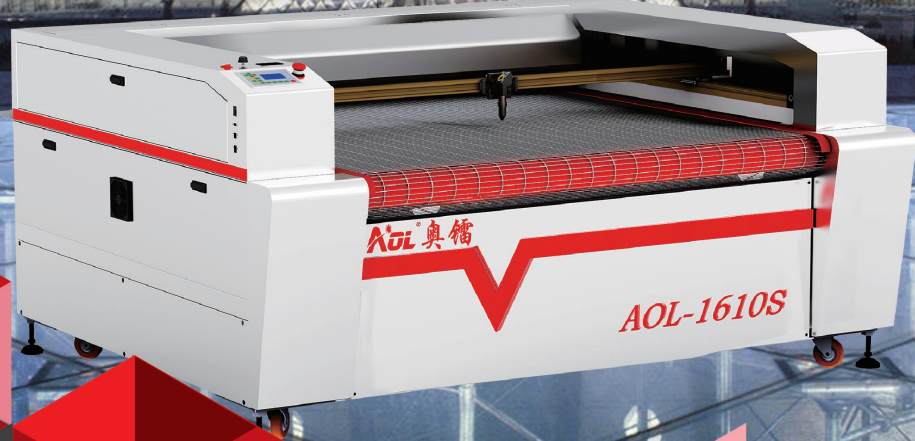
TECHNICAL PARAMETER

Model	S2	S4	S6	S8	S10
Working size	1600*1000mm	1800*1200mm	1600*2500mm	1800*3000mm	2000*3000mm
Laser power	80W/100W/130W/150W				
Engraving speed	0-60000mm/min				
Cutting speed	0-40000mm/min				
Minimum Character Size	Chinese character 2×2mm; letter 1×1mm				
Resolution ratio	≤ 4000DPI				
Reposition Accuracy	＜0.05mm				
Graphic Format support	BMP、GIF、JPGE、PCX、TGA、TIFF、PLT、CDR、DMG、DXF				
Working voltage	AC220V±10%,50HZ				

FEATURES

Saving cost 1 — Conveyor working table with auto-feeding device realizes continuous processing and automatic production, saving time and labor cost. Auto-nesting software can raise the utilization rate of the fabrics to the maximum, saving cost.

intuitive 2 — Users can build a database in the connected computer, which realize instant data calling up and corresponding cutting.

automatic 3 — It is open design for simple, convenient and visual operation. Long focus to meet the needs of thick material cutting. cutting system can do super-long nesting and full format continuous auto-feeding cutting.

APPLICATION INDUSTRY

Automotive interiors, car fitting, Garments sampling, large format tailoring, leather industry, shoe-making, decoration, advertisement, packing and printing, molding and art crafts industries, etc.

3D LASER INNER ENGRAVING MACHINE

FEATURES

efficiency 1 Conveyor working table with auto-feeding device realizes continuous processing and automatic production, saving time and labor cost. Auto-nesting software can raise the utilization rate of the fabrics to the maximum, saving cost.

import 2 The key parts of the machine mainly come from Germany and USA.

software 3 This machine has the software developed independently, which shall laser 2D image like 3D impression. It has original technology, and the engraving range is large.

multi-purpose 4 This machine is suitable for individual production and batch production.
Just one machine could be satisfied with capacity for both storefronts network distribution and Electronic network distribution.

FUNCTION

AOL 3D inner laser engraving machineis used to engrave 2D, 3D images, individual figures in crystal and glass products.

It also could work for a large scale production of 2D, 3D animals & plants, architectures,models such as car, boat, airplane etc, and 3D scene show.

APPLICABLE MATERIALS & INDUSTRIES

1.Decoration materials and glass processing,studio,mirror production

2.For crystal and glass Crafts ,Souvenirs made

3.For key press and Glazed ceramic engraving

TECHNICAL PARAMETER

Item No.Technical Index	AOL-N6		AOL-N8
Laser frequency	5000HZ		
marking speed	300,000dots/min		
maximum engraving area	320*400*150MM		120×120×120 MM
Laser/Laser wavelength	Semiconductor DIODE/532NM		
Focus diameter/resolution	0.02mm/800dpi		
working/ beam quality	with high speed scanner+X+Y+Z(5axis)		
positioning accuracy	10um	Cooling	air cooling
continous working time	24Hours	Life time	>25,000hours
Gross power/noise	1.5w/50db		
Power requirement	single phase 220v or 110v(+/- 10%). 50hz or 60hz		
Software	1. Dots cloud 2. for optimizing & control machine 3. 2d convert to 3d software		
File format	JPG,BMP,DWG,DXF etc.		
Suitable material	crystal, acrylic, glass, hard plastic, metal etc.		
Working environment	temperature 10-28℃, humidty ＜70%, non-condensed		