

CAS·TECH

LIJIE LJ SC Plus (300W) Co2 Laser Machine



Reliability meets performance

The LIJIE LJ SC Plus is a multifunctional laser cutting machine that can cut acrylic, MDF with the option of cutting metal and die board. It comes with a fixed beam optical system that provides a consistent laser beam on the entire working table, hence we can achieve the same high quality cut on the whole cutting area.

Reinforced Structure

LIJIE LJ SC Plus is the 4th generation system which upgraded from the previous well known SC series. Its enhanced structure enable it to support the heavier and larger 300W / 500W tube. The new design also allows user to cut at a much faster speed and higher quality. The new control system also able to handle a much complex graphics vector file.

Why LIJIE LJ SC Plus?

The LIJIE LJ laser cutter has been around for more than 20 years. The reliable system comes with Japan Mitsubishi servo system, High precision Taiwan ball screw and rail guide. Machine body and rail guide is integrated and it is heat treated to reinforce the rigidity of machine body & running performance. The machine is supported by a user friendly touch screen interface and stable high quality laser tube

Stable High Quality Laser Tube

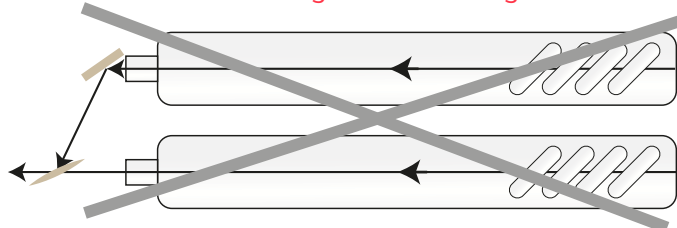
The high quality single beam is a 300W Co2 Laser tube peak at 360W and running at a stable power of 300W. It has a continuous working life of 10000 hrs. The 300W CO2 laser tube enable you to cut Acrylic, MDF, Die-board. Optional add-on for Stainless steel and Mild Steel cutting is possible with metal cutting head and aid of oxygen.

New Single Beam Design



- High stability, less power attenuation
- Single Beam with reflection mirror
- No complicated beam Merge

Old Merge Beam Design



Cutting Speed:

Material	Cutting Thickness	Cutting Speed (mm/min)	Max Cutting Thickness
Acrylic	3 mm	3600-4200	30 mm
	5 mm	2100-2400	
	10 mm	600-900	
	20 mm	200-240	
MDF	5 mm	3600	15 mm
	9 mm	1500	

Optional: (Auto height control system for metal/Die board)

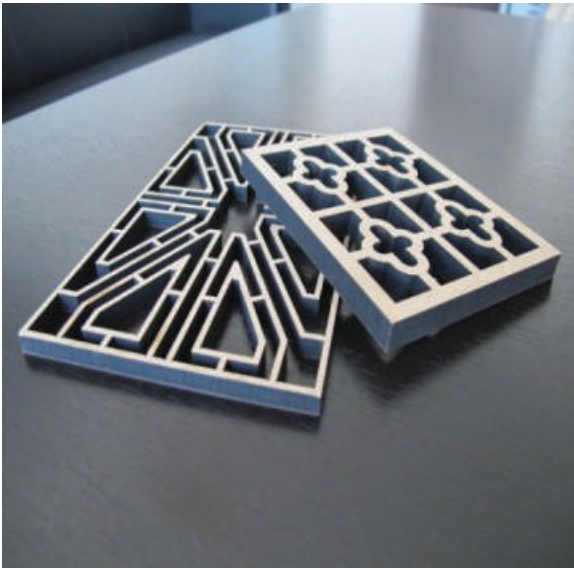
Material	Cutting Thickness	Cutting Speed (mm/min)	Max Cutting Thickness
Stainless Steel	1 mm	3600	2 mm
	2 mm	1500	
Mild Steel	1 mm	3600	2 mm
	2 mm	1500	
Die Board	5 mm	3600	20 mm
	9 mm	1500	

Specifications:

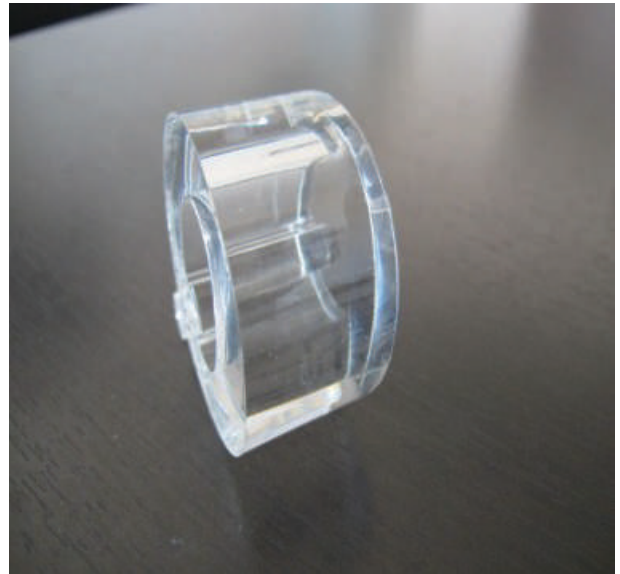
Model	4 x 8	Remarks
Working Area	1250 x 2500 mm	Open structure ,easy access
Laser Tube	300W	Single Beam Tube
Positioning Accuracy	±0.05mm	Ball Screw (Taiwan)
Drive System	Servo Motor	Mitsubishi Japan
Cooling System	Water Chiller	Industrial Chiller with flow sensor
Positioning Speed	≤20000mm/min	
Power Supply	380V ±10% 30A	
Dimension	2105 x 3710 x 1210 mm	Main Machine Only
Weight	2000kg	



New Single Beam Design



12 mm MDF



30 mm Acrylic

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