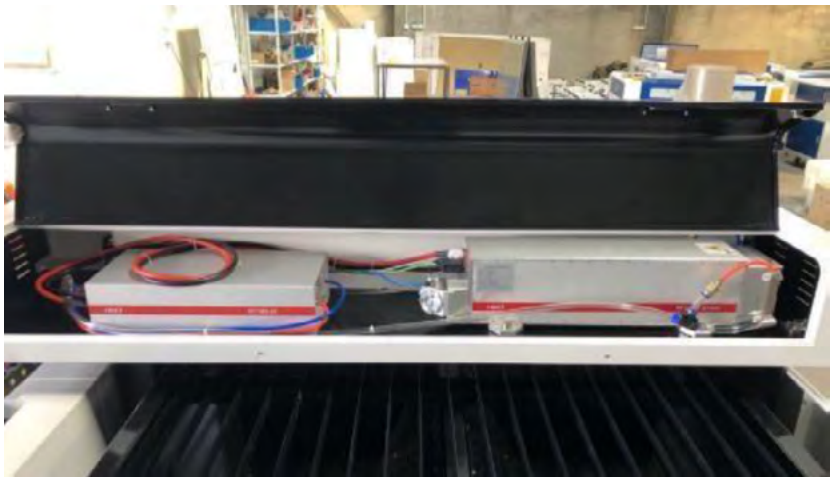
LASER CUTTING MACHINE SKYWALKER 2030

FEATURES	
Model	Laser machine 2030
Laser	CO2 laser tube, water-cooled
Laser power	CO2 laser tube
Working area	2050mm x 3050mm
Cutting speed	0-5000cm/min
Repeat positioning accuracy	≤±0.01
Transmission type	Rack transmission
Drive system	Servo motor
Machine table	Aluminum blade table
Compatible graphic formats	BMP, HPGL(PLT), JPEG, DXF,AI, DST, others.
Control system	FSCUT1000S control system
Voltage	220V, 50Hz

Machine details (equipment included in the machine price)

CO2 laser tube

300W RF CO2 laser tube, high-quality RECI brand (China), for metal cutting and engraving.



Transmission system

Rack and pinion transmission for the X/Y axes.

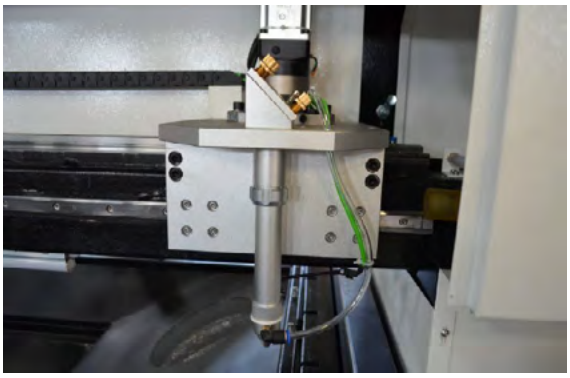
Cooling system

We use an S&A brand water chiller. This air-cooled industrial chiller features practical designs such as easy water level inspection, simple filling port, and intelligent temperature control panel.

With low maintenance and low energy consumption, it is a cost-effective cooling solution that complies with CE, RoHS, and REACH standards.

A UL-certified version is also available.

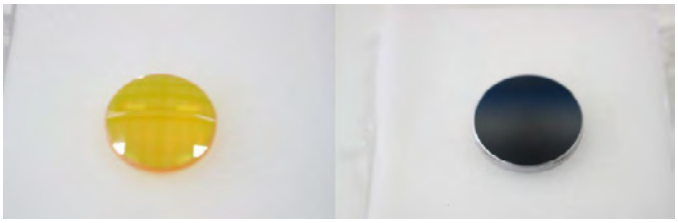
Laser Head



High-precision Delta servo motor with controller

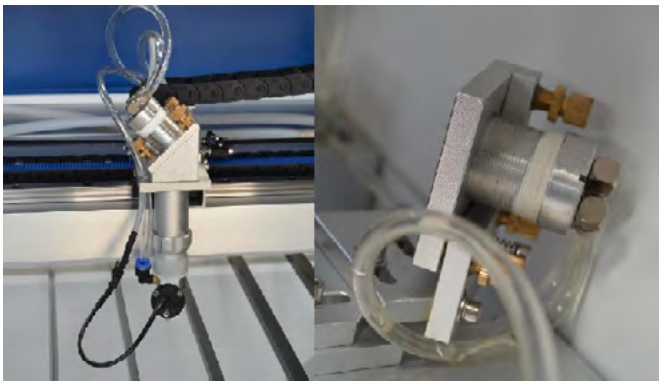
Optical lenses and mirrors system

High quality: 1 lens with 25 mm diameter and 3 mirrors with 30 mm diameter.



Mirror cooling system

The 3 mirrors are equipped with a cooling system that maintains a constant temperature, ensuring a good laser beam reflection effect.



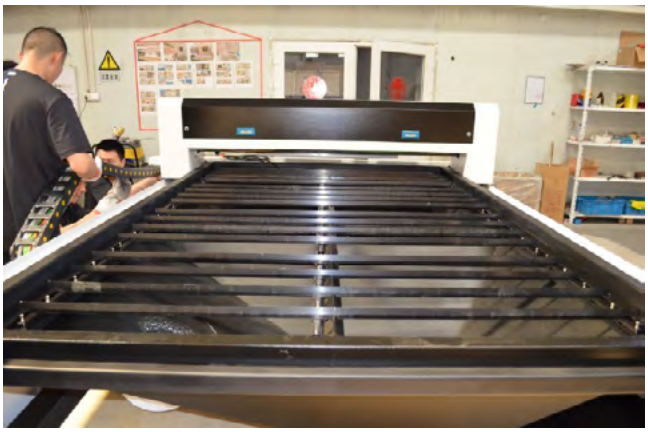
Exhaust fan

The exhaust fan removes odors, smoke, and dust generated during engraving and cutting, protecting the operator's health.

The blower can also be connected to a honeycomb table to draw air through the material, ensuring that soft materials remain fixed on the table.

Anodized aluminum blade table

Designed to hold hard materials or parts, such as wood or acrylic.



FSCUT1000S control system

This machine is equipped with the FSCUT1000S controller, which enables smooth cutting on acrylic.

Air pump

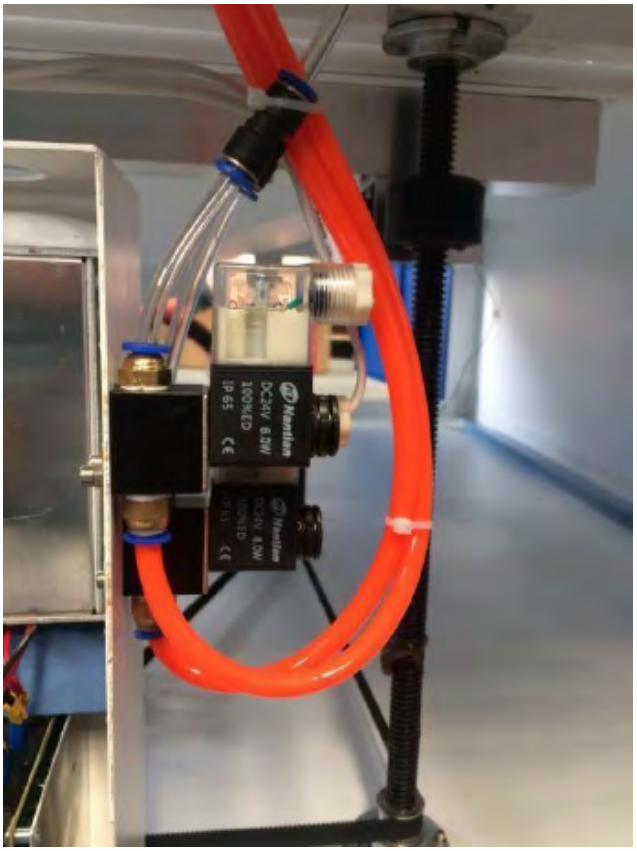
Blows fumes away from the focusing lens, protecting it from contaminants that could cause damage.

Blows compressed air onto the material during engraving and cutting, cooling it and protecting it from burns.

Directs air into the groove created by the laser beam. The air applied to the groove removes debris and fumes, allowing the laser beam to penetrate deeper into the material.

Lower air control

The solenoid valve controls the gas flow. Gas is released only during cutting, which helps save on gas consumption.



Customer and machine management system

Each machine is labeled and has its own serial number. All machine data and information are recorded in the company's system for life.

If any problem arises with your machine, even after 5 or 10 years, it is easy to trace the machine details and provide a quick solution.