

Light up your free mind of creation
Made for STEAM education and makers

Good-Laser Light 530

Desktop CO2 Laser
cutting & engraving machine



High refined & High efficient

55 W
CO2 laser power

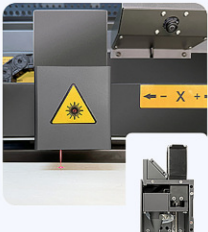
≤0.025mm
Laser beam precision

55W CO2 laser power with 10640nm wavelength, Max working speed up to 600mm/s, laser beam positioning accuracy of 0.025mm with red dot positioning, and maximum cutting thickness up to 20mm (Acrylic), making your laser creations more refined and efficient.



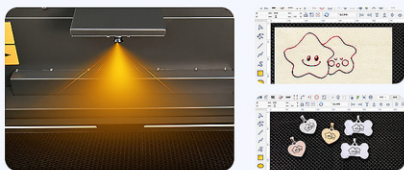
Robust laser head assembly

High robustness fully enclosed and semi-open optional laser head design for stable operation of more than 9000 hours of laser life. And autofocus laser head equipped with laser lifting stroke 30mm for highly fine cutting and engraving.



4K 16MP ultra HD CCD camera

The panoramic 4K 16MP pixel ultra HD camera is for image pattern extraction, and position carving and it can be a monitor to review the whole working process. Three practical and creative features in one.



ECO-friendly
& Cost-effective

Filter, activated carbon and UV ozone multiple smoke filter system work more efficiently, cleaner and environmentally friendly.



Multiple safety protection

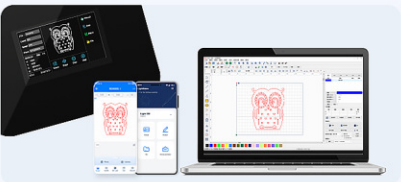


The fully enclosed body and internal structure, drawer and cover open stop safety protection design, emergency safety button, safety key, indicator light, multiple safety combination design, high standards CE certified test by SGS lab and FDA registration of Class 1 laser product.



Powerful and easy-to-use
creation system

The 5inch operation screen and powerful creation software that compatible with PS、AI、CorelDRAW、AutoCAD、Solidworks. Upload high-quality designs in JPG, DXF, AI, DST, PNG, BMP, TIF, or SVG. And all of those works can be done on the phone as well. With LightMaker's APP version to easier and more innovative design and operate your laser works.



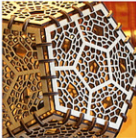
Supported software : 

Supported file formats: JPG, DXF, AI, DST, PHG, BMP, TIF, SVG.

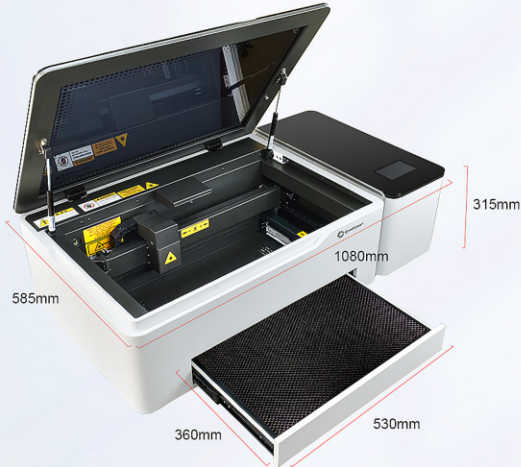
Wide range of applicable materials

Non-metallic materials such as :

[wood board](#) [cardboard](#) [corrugated cardboard](#) [acrylic board](#) [cloth](#) [leather](#) [backing board](#) [two-color board](#) [PET](#) [rubber](#) [veneer](#) [glass fiber](#) [plastic](#)



Specification



Basic Specification

Laser type	Sealed carbon dioxide glass laser tube
Laser power	55W
Work area	500×300 mm
Maximum working speed	1--600mm/s
Positioning accuracy	≤0.025mm
Lifting stroke of laser head	≤30mm
Cutting thickness	20mm(Acrylic)
Material thickness	≤ 22mm
Focus method	Auto focus, manual focus
Connection method	Support USB, network cable and WIFI connection.
Support system	Windows, Mac OS
Support software	Ps, Ai, CorelDRAW, AutoCAD, Solidworks, etc
Supported file formats	JPG, DXF, AI, DST, PNG, BMP, TIF, SVG. etc
Power supply system	220V/110V AC 50Hz/60Hz
Laser service life	≥4000-6000h
CNC software system	LightMaker or Lightburn(PC), LightMaker(Mobile)
Machine working noise	≤60db
CCD Camera pixel	4K 16MP
Control method	5inch LCD touch screen/ mobile phone APP/ PC software
Safety protection	Interlock switch with open cover to stop, flick drawer to stop, emergency button, safety key, working status indicator
Cooling method	Built-in water cooling system (water tank & water chiller)
Focus method	Support material autofocus

Water Cooling System Specification (built-in)

Working voltage	DC 24V air cooling + aluminum coil,
Water tank capacity	4.5L
Maximum pressure	5M
Water flow	11000L/h or external dedicated CW3000 laser chiller (optional)

Air Pump Specification (built-in)

Voltage	AC 220V/110V 16W
Displacement	50L/min
Noise	≤48dB
Air pressure	≥0.05Mpa

Suction System Specification
(external conjoined) side down ventilation

Rated voltage	DC 24V/62W
Air volume	280 m³/h
Noise	≤50dB
Voltage	AC 220V/110V/120W
Filtration system	A Piece of Filter Cotton+Silent Fan+6 Industrial Grade Activated Carbon
Total Weight	60kg (132lbs)
Laser cutting machine size	≤1080*585*320mm