

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

Good-Laser    Light 530

Smart desktop CO2  
Laser cutting & engraving machine



High refined & High efficient

**55W**  
CO2 laser power

**≤0.025mm**  
Laser beam precision

The **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), the powerful combination of features makes your laser creation more refined and efficient.



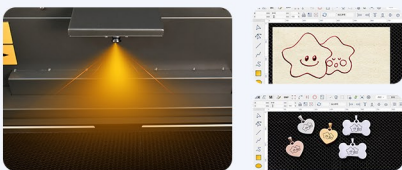
Robust laser head assembly

Highly robustness with fully enclosed and semi-open optional laser head design for stable operation of more than **9000** hours service life, combine the autofocus and laser lifting stroke **30mm** for easy and fine cutting & engraving.



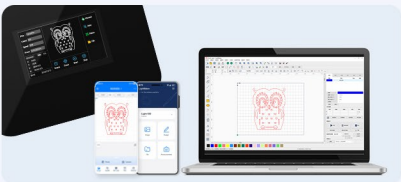
4K 16MP ultra HD CCD camera

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



Powerful and easy-to-use design system

The 5inch operation screen and powerful creation software that compatible with PS、AI、CoreDR AW、AutoCAD、Solid-works. 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 LightMkaser' 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.

ECO-friendly & Cost-effective

The integrated filter design that equipped with industrial grade activated carbon and silent fan to work more efficiently, environmentally -friendly and cost effective.



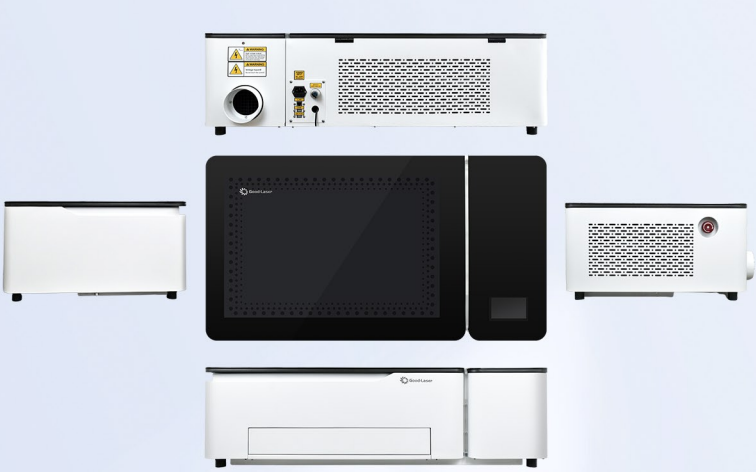
Wide range of applicable materials

Non-metallic materials such as :

- Wood
- paper
- cardboard
- acrylic
- cloth
- leather
- upholstery
- two-tone board
- PET
- rubber
- veneer
- fiberglass
- plastic
- marble
- coated aluminum
- coated stainless steel
- ceramic



Specification



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.                                                                                                                     |
| CCD Camera                   | 4K 16MP                                                                                                                                                             |
| 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                                                                                                                          |
| CNC software system          | RDWorksV8 or Lightburn(PC),<br>LightMaker(Mobile)                                                                                                                   |
| Operate control method       | 5inch LCD touch screen/ mobile phone<br>APP/ PC software                                                                                                            |
| Machine working noise        | ≤60db                                                                                                                                                               |
| Transmission form            | Stepper motor X-direction linear guide +3M<br>synchronous belt; Y-direction linear<br>guide +3M synchronous belt                                                    |
| Safety protection            | Interlock switch with open cover to stop,<br>flick drawer to stop, emergency button,<br>safety key, working status indicator,<br>Water tank high temperature alarm. |
| Power supply system          | 220V/110V AC 50HZ/60HZ                                                                                                                                              |
| Machine weight               | NW :72kg / GW : 99KG                                                                                                                                                |
| Mahince weight               | 1080*585*320mm                                                                                                                                                      |

Water Cooling System Specification (built-in)

|                     |                                                                  |
|---------------------|------------------------------------------------------------------|
| Cooling method      | Built-in water cooling system<br>(water tank & water chiller)    |
| Working voltage     | DC 24V air cooling + aluminum coil                               |
| Water tank capacity | 3.5L                                                             |
| Maximum Pressure    | 5M                                                               |
| Water flow          | 1000L/h or external dedicated<br>CW3000 laser chiller (optional) |

Water Cooling System 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   |
| Voltage       | ≤50dB      |
| Noise         | ≤50dB      |

Filtration system

Activated carbon board + Silent fan + Industrial grade activated carbon bricks