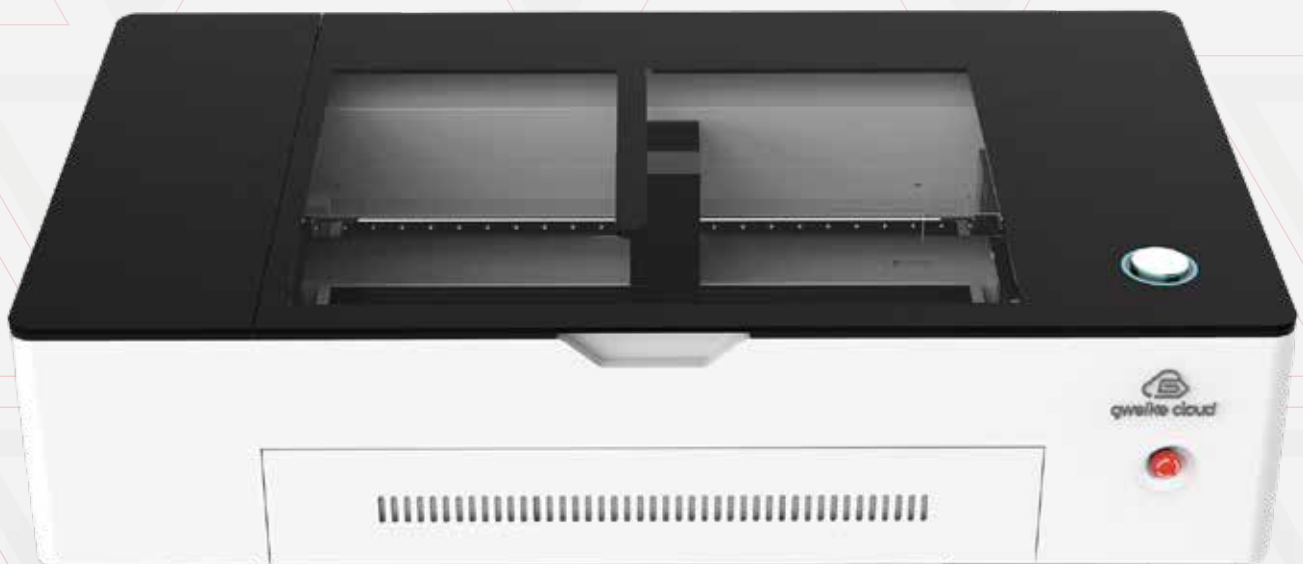


GWEIKE CLOUD LASER CUTTER & ENGRAVER CO2 (50W)

Basic II



Technical Parameters

Laser System		Description
• Laser Power :		50W
• Laser Type :		CO ₂ Glass Laser Tube
• Lifespan :		10000h
• Safety Guard :		Class I (FDA Certified)
Work Area		
• Work Table Area :		20.08" (510mm)*11.8" (300mm)
• Max. Workpiece Height(without honeycomb tray) :		2" (51mm)
• Work Table Surface :		Black (Special surface finishing technique helps reduce burn marks or discoloration)
Materials Processing		
• Max. Cutting Depth :		0.59" (15mm) Basswood
• Max. Carving Speed :		600mm/s
• Carving Precision :		0.001" (0.025mm)
• Noise Rating :		≤70dB
Weight & Dimensions		
• Processing Area :		20.08" (510mm)*11.8" (300mm)
• Machine Dimensions :		38.2"*22.2"*9.2" (970mm*565mm*234.5mm)
• Weight :		42.6kg
AI Camera Information		
• Focus Mode :		AI Visual AF/Material Recognition AF/Material Set-up AF
• Camera :		High-resolution Ultra-wide Camera
• Number of Pixels (Effective) :		5MP
• Visible Area :		19.29" x 11.42"
• Positioning AI Visual Positioning :		Error range ≤ 2mm

Technical Parameters

Software Requirements

- Operating Systems : Windows/macOS
- Control Software : Gweikecloud Web Based, Gweikecloud Offline, Lightburn
- Connection / Transmission : Wi-Fi, USB, Ethernet
- Supported File : Type SVG, DXF, JPG, JPEG, PNG, BMP, TIF, CR2, etc.
- Design Software : AutoCAD, Solidworks, Inkscape, CorelDRAW, PowerPoint, Illustrator, Photoshop, Google AutoDraw, etc.

Environmental Requirement

- Power : AC 110-220V±10%,50-60Hz
- Work Consumption (without fan) : 550W
- Nonoperating Temperature : 0~45°C
- Relative Humidity : 5~90°C
- Operating Ambient Temperature : 0~35°C

Supported Accessories

- Cameras: 5 MP ultra-wide-angle camera wide angle & macro ✓
- Water Chiller ✓
- Full autofocus ✓
- Dual high-efficiency internal LED strips ✓

▶ Basic II

Laser Cutter & Engraver CO2 (50W)



Characteristics ▶

- ✓ **50W CO2 Laser Tube** – Capable of cutting and engraving materials like wood, acrylic, leather, and plastic.
- ✓ **High Engraving Precision** – Offers up to 1000 DPI resolution for fine and detailed engraving.
- ✓ **Spacious Working Area** – Approximately 510mm x 300mm, suitable for various medium-sized projects.
- ✓ **Built-in HD Camera** – Allows real-time material preview and accurate alignment through software.
- ✓ **Wi-Fi and Cloud Connectivity** – Operate the machine remotely via Gweike Cloud software.
- ✓ **Rotary Tool Compatibility** – Supports rotary attachments for engraving cylindrical objects.
- ✓ **Safe Enclosed Design** – Fully enclosed body with built-in exhaust for indoor and safe operation.

▶ SUMMARY FEATURES

Basic II CO2 "50W"

- | | |
|---|---|
| ✓ 50W CO2 laser power. | ✓ Safety enclosed design with protective lid. |
| ✓ Cuts wood, acrylic, leather, cardboard, and more. | ✓ Built-in smoke exhaust fan. |
| ✓ Engraves with up to 1000 DPI precision. | ✓ Air assist system for clean cuts. |
| ✓ Working area: approx. 510mm x 300mm. | ✓ Autofocus laser head (optional). |
| ✓ Built-in HD camera for live preview. | ✓ Compact desktop design. |
| ✓ Smart material positioning via camera. | ✓ Supports engraving on curved surfaces (with rotary). |
| ✓ Wi-Fi and cloud connectivity. | ✓ Built-in LED lighting for work visibility. |
| ✓ Compatible with Gweike Cloud software. | ✓ Plug-and-play setup with minimal assembly. |
| ✓ Supports JPG, PNG, SVG, DXF, PDF file formats. | ✓ Works with Windows and macOS. |
| ✓ Easy-to-use touch screen interface | ✓ Ideal for hobbyists, designers, and small businesses. |
| ✓ Rotary attachment compatible. | |

MAJOR FEATURES

50W

Output Power with Thicker Cuts



Incredible Cutting Ability



Cut 20mm Wood in ONE Pass



Cut 16mm Acrylic in ONE Pass



3D Ultra-Fine 0.001" Engraving Precision

Wi-Fi

WiFi

USB cable

USB cable

Network

Network



Gweikecloud Software

Cloud Online Control

Lightburn Software

MAJOR FEATURES



10mm Wood

Super Air Assist Set

Effective laser Lens Protection/Neat Clear Cutting / Super Noise-cancelling/ Noise reduction by 20 dB



Better Exhaust

Dust Fan Works Overtime for 10s, Fully Exhaust the Smoke



70dB 60dB 40dB

Standby Mode

Lower Noise / Intelligent Air Pump & Fan



Gentle Warm Light Mode

Better Camera Focus and Exposure



Camera Cable

USB Cable

Net

Q.C. passed

More Friendly & Secure

Lightburn Camera Built-In / Wireless Camera Connection

**LIGHTBURN
CAMERA BUILT-IN**



LIGHTBURN
BETTER SOFTWARE FOR LASER CUTTERS