

CO2 Lasers

K2-0906 | K2-1309 | K2-1313

FROM

\$12,450_{+GST}

Model Details:

K2-0906 - 900x600mm bed size - 100/150W

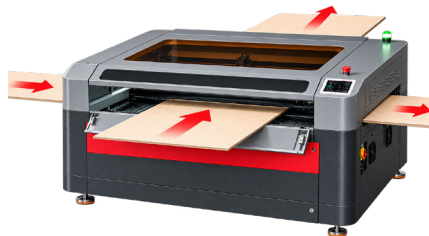
K2-1309 - 1300x900mm bed size - 100/150W/280W

K2-1313 - 1300x1300mm bed size - 100/150W/280W



4K Camera + LightBurn

Visual bed preview & artwork positioning



4-Way Feed Through

Process material larger than the bed



Intelligent Autofocus

Quick-swap optics + red-dot positioning

Features:

- **Fully Enclosed Class 1 Design**
Interlocked enclosure with OD6+ protective viewing panels
- **High-Speed Servo Motion**
Fast, precise movement for cutting and engraving
- **4K Overhead Camera**
Visual bed preview and artwork positioning directly in LightBurn
- **Intelligent Autofocus Head**
Lightweight design with automatic material height adjustment
- **Quick-Swap Optics**
50.8mm lens standard with 63.5mm and 101.6mm options
- **Dual-Pressure Air Assist**
software-controlled high/low airflow for cutting and engraving
- **4-Way Feed Through**
Process oversized sheets and workpieces beyond the cutting area
- **Ruida Touchscreen Controller**
RDC8445GT7 professional laser control
- **180mm Motorised Z Axis**
Increased clearance for thicker workpieces and rotary applications
- **Efficient Extraction System**
Conical extraction table and collection drawer, with 750W centrifugal blower and extraction hosing supplied.
- **Industrial Water Cooling**
S&A CW5200 refrigerating chiller supplied
- **Rotary Compatible**
Supports chuck and wheel rotary attachments



Applications & Cutting Capability:

100W – Up to 14mm Wood/Ply/Bamboo/MDF & 15mm Acrylic/Perspex/Laminates

150W – Up to 18mm Wood/Ply/Bamboo/MDF & 20mm Acrylic/Perspex/Laminates

280W – Up to 25mm Wood/Ply/Bamboo/MDF & 30mm Acrylic/Perspex/Laminates

Cut & Engrave: Acrylic, Perspex, timber, ply, MDF, Traffolyte, Rowmark, 2-ply laminates, leather, paper, cardboard, rubber, foam, felt & fabric.

Engrave: Glass, stone, ceramic & coated/treated metals.*

Lens Guide: **2" (50.8mm)** – fine engraving/cutting to 8mm | **2.5" (63.5mm)** – general cutting to 12mm | **4" (101.6mm)** – thick cutting to 30mm.

Maximum thickness varies with laser power, material, lens, air assist & settings

Technical Parameter	K2-0906	K2-1309	K2-1313
Laser Power	100 / 150W	100 / 150 / 280W	100 / 150 / 280W
Cutting Area	900 × 600mm	1300 × 900mm	1300 × 1300mm
Z Axis	180mm motorised	180mm motorised	180mm motorised
Laser Type	Yongli CO ₂ Glass Tube, 10.6µm – up to 10,000 hrs	Yongli CO ₂ Glass Tube, 10.6µm – up to 10,000 hrs	Yongli CO ₂ Glass Tube, 10.6µm – up to 10,000 hrs
Table Type	Knife bed; honeycomb optional	Knife bed; honeycomb optional	Knife bed; honeycomb optional
Motor Type	Yakotec Precision Servo	Yakotec Precision Servo	Yakotec Precision Servo
Engraving Speed	Up to 1200mm/s	Up to 1200mm/s	Up to 1200mm/s
Cutting Speed	Up to 300mm/s	Up to 300mm/s	Up to 300mm/s
Locating Accuracy	≤ ±0.01mm	≤ ±0.01mm	≤ ±0.01mm
Laser Head	Intelligent autofocus + red dot pointer	Intelligent autofocus + red dot pointer	Intelligent autofocus + red dot pointer
Lens System	50.8mm standard; 63.5 / 101.6mm optional	50.8mm standard; 63.5 / 101.6mm optional	50.8mm standard; 63.5 / 101.6mm optional
Air Assist	Software-controlled dual pressure	Software-controlled dual pressure	Software-controlled dual pressure
Camera	Built-in HD 4K – full bed	Built-in HD 4K – full bed	Built-in HD 4K – front 1300 × 900mm
Camera Alignment	LightBurn digital bed overlay	LightBurn digital bed overlay	LightBurn digital bed overlay
Controller	Ruida RDC8445GT7 touchscreen	Ruida RDC8445GT7 touchscreen	Ruida RDC8445GT7 touchscreen
Software	LightBurn + RDWorks; Print & Cut	LightBurn + RDWorks; Print & Cut	LightBurn + RDWorks; Print & Cut
Computer / File Support	Windows, macOS, Linux; DXF, DWG, AI, PDF, SVG, JPG, PNG +	Windows, macOS, Linux; DXF, DWG, AI, PDF, SVG, JPG, PNG +	Windows, macOS, Linux; DXF, DWG, AI, PDF, SVG, JPG, PNG +
Feed Through	4-way oversized material feed-through	4-way oversized material feed-through	4-way oversized material feed-through
Extraction	Conical table + collection drawer; 750W blower & hosing supplied	Conical table + collection drawer; 750W blower & hosing supplied	Conical table + collection drawer; 750W blower & hosing supplied
Cooling	S&A CW5200 chiller supplied	S&A CW5200 chiller supplied	S&A CW5200 chiller supplied
Power Supply	230V / 50Hz / 10A / single phase	230V / 50Hz / 10A / single phase	230V / 50Hz / 10A / single phase
Safety	Class 1; interlocked enclosure; OD6+ panels	Class 1; interlocked enclosure; OD6+ panels	Class 1; interlocked enclosure; OD6+ panels
Machine Size / Weight	1480 × 1190 × 1150mm / 350kg	1880 × 1500 × 1150mm / 450kg	1900 × 1900 × 1150mm / 550kg
Packed Size / Weight	1600 × 1300 × 1280mm / 450kg	2020 × 1620 × 1280mm / 550kg	2020 × 2020 × 1280mm / 600kg