



**OMEGA**  
**INNOVATION**  
"DELIVERING EXCELLENCE"

## APPLICATIONS

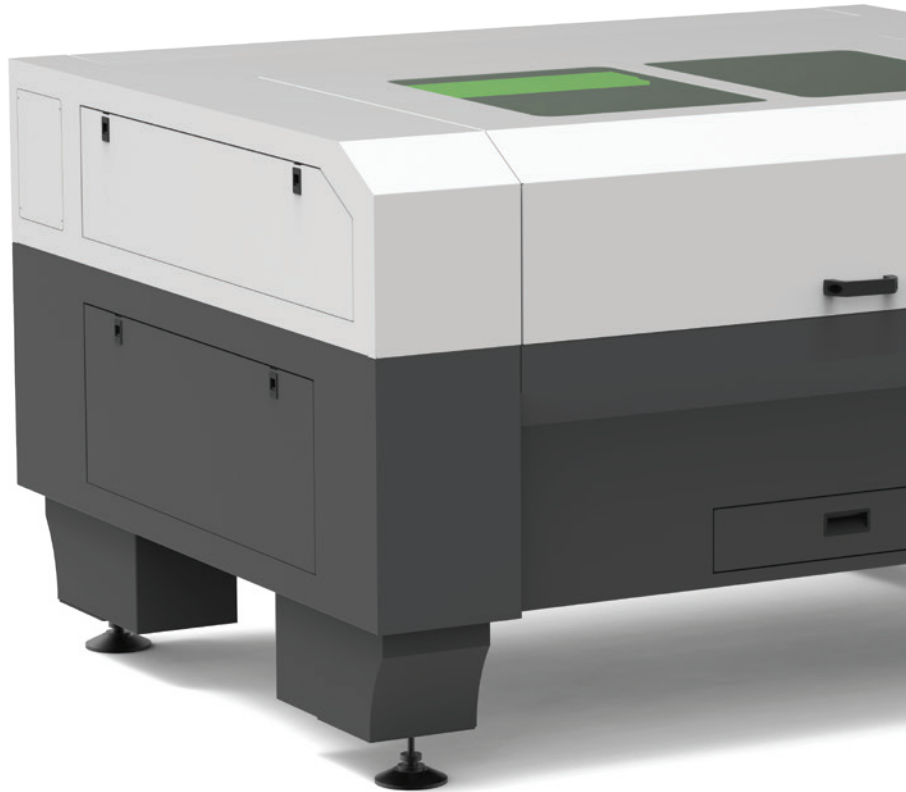
Acrylic

MDF

Fabric

Wood

Other  
Non-Metal  
Material



**CO<sub>2</sub> Laser Cutting & Engraving Machine**

Specialists in the Production of CO<sub>2</sub> Laser Cutting, Fiber Laser Cutting, Laser Marking, Laser Welding, and Industrial Laser Manufacturing.



[www.omegainnovation.in](http://www.omegainnovation.in)

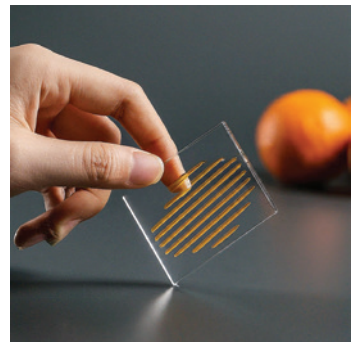
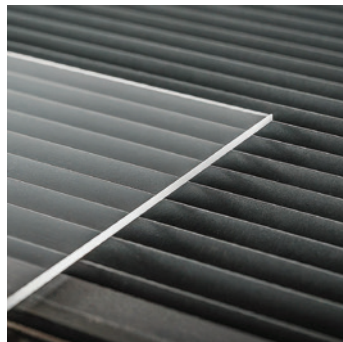
# CO<sub>2</sub> LASER CUTTING & ENGRAVING MACHINE

CO<sub>2</sub> lasers can be used for applications requiring precision and mass production. These machine engravers and cutters are highly precise and can be used to create designs, decorations, and the like on just about any non-metal you can think of, including wood, plastic, and paper, to name a few. The beam doesn't physically touch the material it is working with; instead, it causes the material to melt through intense heat. This causes minimal damage to the material and the machine.

## FEATURES

- AC servo / stepper motor technology for high speed and high precision movement control.
- Red beam dot pointer to help you see the expected laser beam position for cutting and engraving.
- Processing file path is displayed simultaneously when the machine runs.
- USB flash drives support reading files directly from USB flash drives without the use of a computer.
- Power brake function: continue work after power off.
- High-quality chiller unit for better performance and long-life laser tube.
- The machine is provided with foot-mounting lags so that there is no vibration in the machine, and the machine can be adjusted to zero level.
- The machine is provided with a heavy-duty compressor that has an air-assist combining adjustable focus. Systems in coaxial jet air to prevent clogged edge from burning down.

## APPLICATIONS



\* The displayed images are intended for illustrative purposes only and may not precisely depict the product.

# Omega Innovation

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# TECHNICAL SPECIFICATION

Model	C1390	C1313	C1410	C1610
Power (W)	100 / 130 / 150			
Working Area (mm)	1300 x 900	1300 x 1300	1400 x 1000	1600 x 1000
CO <sub>2</sub> Laser Source	Sealed Glass Laser Tube			
Positioning Accuracy (mm)	0.02			
Motor	Stepper / Easy Servo Motor			
Max. Speed (mm/sec)	600			
Power Control	0 - 100%			
Z Axis Movement	Manual / Motorized			
X-Y Movement	Belt Transmission			
Cutting Table	Aluminum Knife / Honey Comb			
Red Dot Pointer	Yes			
Cooling	Water Cooled			
Fume Extraction	Yes			
Air Compressor	Yes			
Resolution (DPI)	Up to 4500			
Supported Formats	.plt, .dxf, .bmp, .jpg, .ai, .gip, .tif			
Computer Interface	USB - A For USB Storage, USB - B For Connection, Ethernet			
Computer Systems support	Window 8 / 10 / 11, 32 / 64 bit			
Support Software	CorelDraw			
Memory Buffer (MB)	256			
Display Panel	5 Inch Color Full LCD Screen			
Focus Lens (mm)	50 / 63 / 100			
Max Cutting Depth (mm)	16			
Power Consumption (kW)	<3			
Operating Voltage (Max)	220 - 230 AC ,50 / 60 Hz, 13A			
Weight (kg)	320	360	330	360
Outer Dimensions (mm)	1860 x 1475 x 1100	1860 x 1865 x 1100	1960 x 1555 x 1100	2160 x 1555 x 1100

Enhanced products designed for convenience and sustainability,  
providing detailed information whenever required!



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## APPLICATIONS



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## EXTENSIVE PRODUCTIVITY

**CO<sub>2</sub> Laser Cutting & Engraving Machine**

TECHNICAL SPECIFICATION

Model	C1325	C1530
Power (W)	100 / 130 / 150	
Working Area (mm)	1300 x 2500	1500 x 2500
CO <sub>2</sub> Laser Source	Sealed Glass Laser Tube	
Positioning Accuracy (mm)	0.02	
Motor	Stepper / Easy Servo Motor	
Max. Speed (mm/sec)	600	
Power Control	0 – 100%	
Z Axis Movement	Manual / Motorized	
X–Y Movement	Belt Transmission / Rack & Pinion	
Cutting Table	Aluminum Knife / Honey Comb	
Red Dot Pointer	Yes	
Cooling	Water Cooled	
Fume Extraction	Yes	
Air Compressor	Yes	
Resolution (DPI)	Up to 4500	
Supported Formats	.plt, .dxf, .bmp, .jpg, .ai, .gip, .tif	
Computer Interface	USB – A For USB Storage, USB – B For Connection, Ethernet	
Computer Systems support	Window 8 / 10 / 11 , 32 / 64 bit	
Support Software	CorelDraw	
Memory Buffer (MB)	256	
Display Panel	5 Inch Color Full LCD Screen	
Focus Lens (mm)	50 / 63 / 100	
Max Cutting Depth (mm)	16	
Power Consumption (kW)	<3	
Operating Voltage (Max)	220 – 230 AC ,50 / 60 Hz, 13A	
Weight (kg)	1000	1200
Outer Dimensions (mm)	1830 x 3510 x 1100	2080 x 4010 x 1150

\* Omega Innovation retains the right to make modifications without prior notice.



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