



Impact CNC
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LIGHTNING

STANDARD FEATURES

- Carbon Dioxide Laser Tube
- Precision lenses and mirrors throughout
- Efficient micro-stepping motors
- High accuracy bearing system
- Fifth generation controller with colour LCD screen and on-board file alterations
- Efficient fume extraction system
- Refrigerated chiller included
- SmartCarve design and output software
- Delivery, installation & training throughout Australia and New Zealand

OPTIONS

- Twin-head machine to double output
- Honeycomb bed
- Red dot positioning
- Conveyor table options
- Print-to-cut camera
- Also consider the Lightning Plus with adjustable table height, rotary attachment and auto-focus

LIGHTNING

Model	L0604	L1206	L1309	L1610
Working Area (X Axis)	600mm	1200mm	1300mm	1600mm
Working Area (Y Axis)	400mm	600mm	900mm	1000mm
Laser Sizes Available	60 watt	80 or 130 watt	130 watt	180 watt
Laser Type	Carbon Dioxide Laser, Water Cooled Glass Tube			
Drive System (X & Y Axis)	Belt Drive System			
Bearing System	Roller Bearing Guide Rails			
Drive Motors	Microstepping			
Interface	Colour LCD Screen			
Connectivity	Ethernet/USB Cable/USB Key			
Bed Construction	Removable Aluminium Slats with Collection Drawer(s)			
Power Requirements	Single Phase 200-240V/50hz			
Operating Environment	Temperature: 0-45°C			
Machine Size (width)	1530mm	1910mm	1910mm	2240mm
Machine Size (depth)	1070mm	1380mm	1710mm	1780mm
Machine Weight	260kg	430kg	525kg	605kg

*Specifications are subject to change without notice.



Impact CNC is dedicated to supplying the best possible range of quality, affordable and reliable laser machines and CNC routers throughout Australia. We have a product to suit most laser applications including engraving, marking, cutting and much more. The Lightning range of lasers available from Impact CNC is extensive and there are a number of different size formats available within our product range.

The CO2 laser works by having the laser beam pierce or engrave the surface of the material. The laser beam is generated from a tube and projected to the material via a series of mirrors and lenses. A combination of the laser power and feed speed determines whether it will cut or engrave. Generally smaller tables and laser tubes are better for engraving while larger tables and bigger tubes are better for cutting. Most of our Lightning machines can do both!

The laser tubes are water-cooled CO2 tubes. They are very cost effective and reliable, plus they suit most applications. For those seeking more speed or cutting of denser materials there are options available for fibre-laser and high wattage CO2 tubes.

The included SmartCarve software is feature enriched and easy to use. It incorporates all the features required to control your laser machine. Of course the Lightning lasers are also compatible with most major design

programs such as CorelDRAW!, Illustrator, SignLab and FlexiSign.

The company behind Impact CNC is Sign Essentials Pty Ltd. We are based in Brisbane and have been supplying, installing and servicing CNC machinery in Australia since 1993. During that time we have assembled a top-notch team of sales, support and service personnel to ensure customers receive the backup they require. Over the years we have developed a good feel for what the local market requires and we have incorporated those features into the Impact CNC range.



Lightning L1309-130



Lightning L0604-60

LIGHTNING