

Product Features

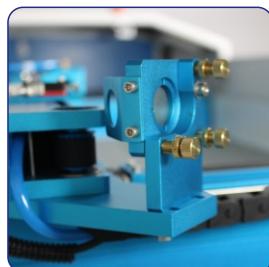
- 80W* CO₂ glass laser tube
- 900 x 600mm work area
- High speed hybrid motors
- Motorised Z axis table
- Rotary ready
- Pass-through door design
- Red Dot pointer
- Dual Air Assist

Safety Features

- Two Fire detectors fitted
- Open cover protection
- Status lamp
- Emergency stop

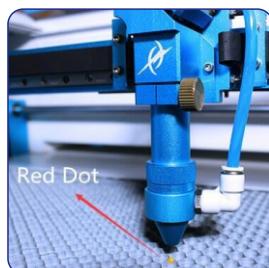
Our Support

- Parts available in NZ
- NZ-wide backup & support
- 24 month warranty on parts
- 12 month warranty on laser tube
- 30 day warranty on the lens



Beam adjustment

Fine pitch adjustment for the mirrors to maintain perfect beam alignment



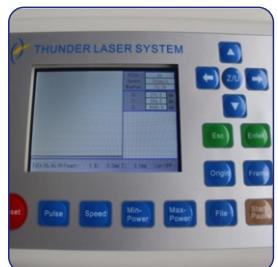
Visible Red Dot Pointer

See exactly where your laser will cut and engrave

NOVA 35

NZD \$16,490.00

+gst



LCD control panel

Simple operation, files saved in the controllers memory

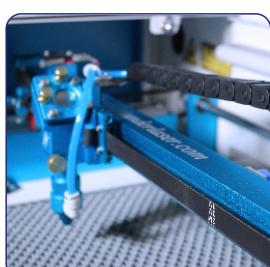


Z Axis work table

230mm of depth.



Emergency Stop



High quality X & Y rails

Faster speeds and high quality results with vector cutting and raster engraving



Lightburn software

Better software for laser cutters.



Industrial water cooling

Keeps the laser tube temperature regulated

* 100W & 130W option - prices on reverse

Thunder Laser New Zealand offers high quality machines with after sales support for parts and service.

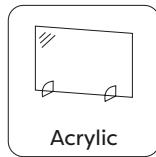
The 80W Nova 35 is a CO₂ laser that can cut and engrave a wide variety of projects. Our machines deliver exceptional results across many industries including, manufacturing, design, hobbyists, and education.

Specifications

Laser Source:	80W CO ₂ sealed glass tube (DC excited)
Work Area:	900 x 600mm (35.4 x 23.6")
Z axis height:	230mm
Dimensions WxDxH:	Front door closed: 1500 x 1105 x 1040mm
Net Weight:	310kgs
Operating Modes:	Optimized raster (engraving), vector (cutting)
Display Panel:	3" LCD showing current file, total working time, power, and speed settings
Maximum Speed:	1000mm/s (40 IPS)
Rotary Compatible:	Yes
Computer requirements:	Windows 7 or later, macOS 10.11 or later, and certain 64 bit Linux
File Formats:	Lightburn supports AI, BMP, DXF, JPG, PDF, PNG, SVG, TIF and many other formats
Computer interface:	USB, Ethernet
Cooling:	Water cooled
Motor:	High-speed closed-loop hybrid encoded motors
Dual Air Assist:	Low and High air pressure, software controlled in Lightburn by layer
Electrical requirements:	230 volts, 50 Hz, single phase
Ducting requirements:	6" (150mm) - we recommended dedicated, vertical discharge, hard ducting ITS Ltd can recommend suppliers and contractors to assist with this

Materials

Thunder Laser CO₂ laser's can cut and engrave a variety of materials, including:



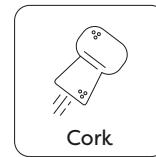
Acrylic



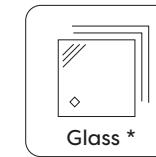
Anodized *
Aluminum



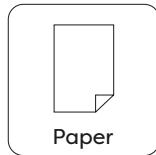
Ceramic Tile *



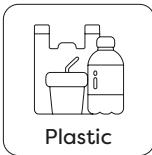
Cork



Glass *



Paper



Plastic



2 tone plastic



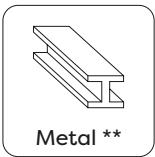
Rubber



Marble, Slate
Granite*



Leather



Metal **



Wood

NOVA 35

NZD \$16,490.00

+gst



Optional Extras

Rotary - 3 jaw chuck with tail end stock

Dimensions: (WxDxH) - 600 x 150 x 170mm

Maximum Part Size:

Length 290mm / Diameter 100mm

\$795

HR Head

(for high resolution engraving)

\$525

4" Head

(for cutting material over 10mm)

\$395

1.1kW Oil free air compressor

with moisture trap and regulator

\$795

BlazeCut - 2.0m

\$440

Installation, and basic training
from **\$800**

plus any travel expenses

*Extra training is available
by appointment*

Prices ex GST

Pricing valid 31 Dec 2025

until June 2026

Optional Upgrade

Nova 35 100w

\$17,485

Nova 35 130w

\$18,485

Made to order
Allow from six weeks