

THUNDER

LASER NZ

Product Features

- 80W RF metal laser tube
- 1300 x 900mm work area
- Motorised Z axis table
- Pass-through door design
- Red Dot pointer
- Dual Air Assist with air pressure monitoring
- Rotary ready
- Comes with overhead Camera as standard

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

NOVA Plus 51

80w RF

NZD **\$29,195.00**
+gst



RF Metal Tube
Exceptional beam quality, accuracy and long life span.



Auto Focus
Cone-head touch auto-focus system
(Also has manual focus tool)



Emergency Stop



Dual Air Assist
High / Low air pressure with air pressure sensor interlock.
(Laser cannot fire if there is no air assist.)



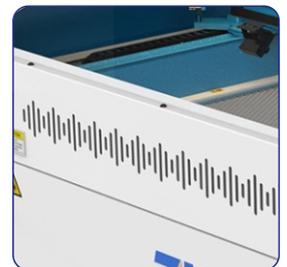
Lightburn software
Better software for laser cutters.



LCD control panel
Simple operation, files saved in the controllers memory



Z Axis work table
255mm of depth.



Air Intake
Redesigned front air intake to boost smoke and fume extraction

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

The 80W RF Nova Plus 51 is a next generation CO₂ laser that delivers faster cutting speeds than traditional 130W DC-excited laser tubes, while also delivering exceptional engraving results. Its advanced RF metal tube provides incredible precision and detail - offering the best of both worlds in speed and quality. Perfect for manufacturing, design, education and hobby use, this machine sets a new benchmark in performance and versatility.

Specifications

Laser Source:	80W RF Metal Laser
Work Area:	1300 x 900mm (51.2 x 35.4")
Z axis height:	225mm
Dimensions WxDxH:	Front door closed: 1920 x 1502 x 1115mm
Net Weight:	378kgs
Operating Modes:	Optimized raster (engraving), vector (cutting)
Display Panel:	3" LCD showing current file, total working time, power, and speed settings
Maximum Speed:	1200mm/s (46 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:	Air cooled
Motor:	LeadShine Hybrid-Servo 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:	8" (200mm) - we recommended dedicated, vertical discharge, hard ducting ITS Ltd can recommend suppliers and contractors to assist with this

NOVA Plus 51

80w RF

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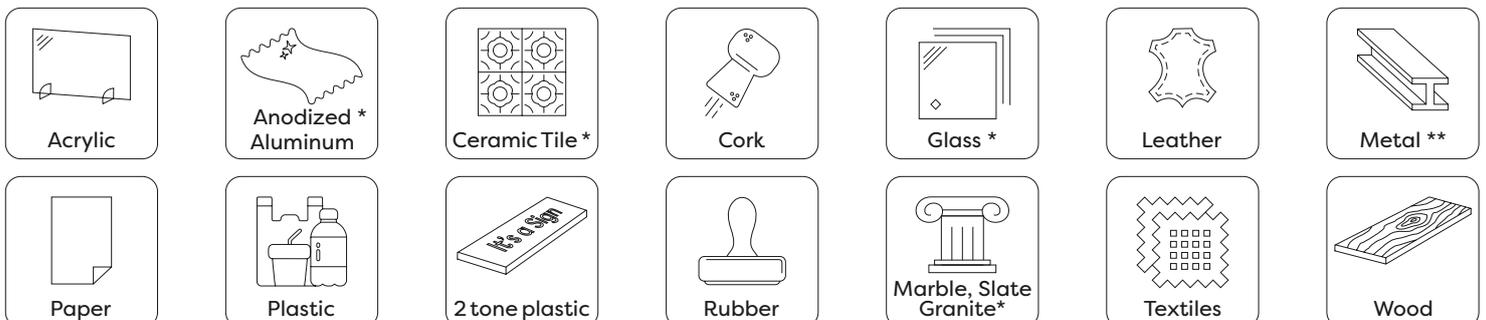


Optional Extras

- Rotary - 3 jaw chuck with tail end stock
Dimensions: (WxDxH) - 600 x 150 x 170mm
Maximum Part Size:
Length 290mm / Diameter 100mm
\$795
- 1.5" Head
(for high resolution engraving)
\$445
- 4" Head
(for cutting material over 10mm)
\$445
- 1.1kW Oil free air compressor
with moisture trap and regulator
\$795
- BlazeCut - 3.0m
\$505
- 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

Materials

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



* Engrave only / ** Engraving using a marking solution