

### 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

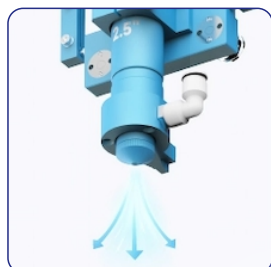
### Our Support

- 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



#### 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.)



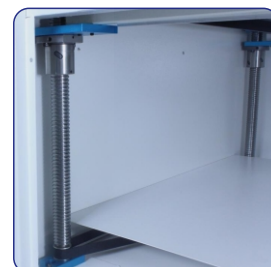
#### Lightburn software

Better software for laser cutters.



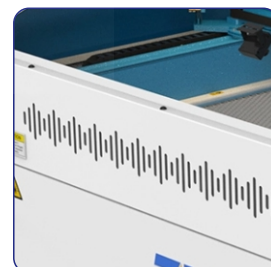
#### LCD control panel

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

## NOVA Plus 51

### 80w RF

NZD **\$29,195.00**

+gst



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

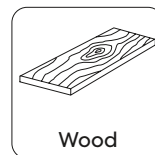
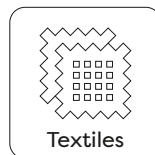
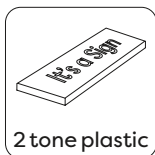
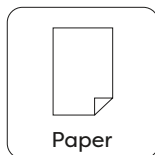
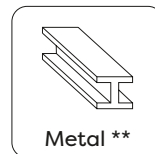
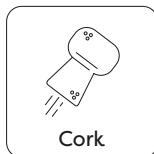
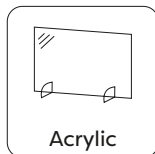
The 80W RF Nova Plus 51 is a next generation CO<sub>2</sub> laser that delivers faster cutting speeds than traditional 130W DC-excited laser tubes, while also delivering exceptional engraving results. Its advanced RF metal tube provides incredible precision and detail - offering the best of both worlds 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

### Materials

Thunder Laser CO<sub>2</sub> laser's can cut and engrave a variety of materials, including:



\* Engrave only / \*\* Engraving using a marking solution

## NOVA Plus 51

### 80w RF

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

**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 1 Jun - 31 Dec 2025**