

Thunder Laser

Thunder Laser Nova 63

1600mm x 1000mm (63" x 39.4"x 9.8") 130 Watts of Power

Thunder Laser Nova 35

900mm x 600mm (35.4 x 23.6 x 9.8") 130 Watts of Power (The tools page lists this as a 100W laser)

What is a laser cutter?

A CNC laser cutter is a computer controlled tool for engraving and cutting. It uses a high-powered laser to burn through material, leaving a very crisp cut.

Materials

Please see the list of [Laser Cutter Materials](#) for materials that are not allowed to be cut on the machine.

Material Speed and Power settings: [Thunder_Laser_parameters_for_different_materials-130watt_SP_V6.pdf](#)

Rotary Engraving on Thunder

Rotary_Tool_Training_for_the_Thunder may be available. Some limited information is on the Tool page: [Thunder Laser Rotary Tool](#)

OEM User's Manuals

[Thunder Laser Software Manual RDWorks v8.0](#)

[Nova 63 Manual \(hardware\)](#)

[RDWorks Software manual from RDWorks Lab \(non-OEM\)](#)

Notes

Thunder Laser Nova 63 THUNDER

New 2016.04. Direct from [Thunder Laser](#) in China.

Thunder Laser Nova 35 DONNER and BLITZEN

New 2017.12. Direct from [Thunder Laser](#) in China.

[Thunder Laser Youtube Channel](#)

Head Crashes:

1. Don't put anything in the way of the head so that it crashes.
2. The Thunder Nova 35 and 63 Lasers have servos (steppers with optical encoders). If they sense a lot of skipped steps they will just give up and assume something has gone terribly wrong. This can crash the head. Resetting the machine clears things and it should go back to normal operation.
3. The "reset" button also helps when the machine loses track of its place. It forces a re-Home and then rights itself. This can happen with the rotary attachment, too.