Thunder Laser Nova35 Technical Specifications

Engraving / Working Area	35.4" x 23.6" x 9.1"
Max Part Size	Pass through closed: 39.4" x 28.7" x 9.1" Pass through open: 39.4" x ∞" x .8"
Laser Wattage	80w or 100w
Intelligent Memory Capacity	Multiple File Storage up to 128MB
Laser Source	Sealed CO2 Glass Tube, stringintly tested to pass Quality Control. Average lifespan is 2000-4000 working hours. Replacement cost $400 (80w) or $750 (100w)
Electrical Requirements	Standard 110v AC 60Hz Single Phase, dedicated 20A circuit
Air Assist	Air pump 5-7psi included
Machine Size	59.1" x 43.5" x 40.9"
Software	LightBurn Software included for two computers, easily import any graphics file. Compatible with Windows, Mac, and Linux
Training	One hour remote setup training included, optional four hour training available
Red Dot Pointer	Shows where laser will fire, allows for "dry run", allows for easy positioning on material
Camera System	Optional ThunderCam allows you to see materials on the laser bed via the software for easy positioning of engravings on strange-shaped objects.
Operating Modes	Optimized raster, vector, or combined modes
Easy Adjustable Home	When engraving items that are not easily placed at the top corner of the laser, you can set a new home position by hand with a new origin
Motion Control System	LeadShine Hybrid-Servo Motors with engraving speeds up to 1,000mm/s (39"/second)
Resolution	Up to 500dpi with included 2" head or 800dpi with HR head
Safety	Open cover protection, no-water protection, heat alarm system
Auto Focus	Infrared Auto-Focus system to easily bring material into focus
Belts	High-quality fiberglass reinforced neoprene belts
Water Chiller	CW5000
Ventilation	375CFM Exhaust Fan. There is one 6" port on the rear of the machine
Motorized Table	Includes both a removable honeycomb and solid metal blade (knife-style) bed
Laser Heads	2" Head / Lens included, optional 4" head and HR head
TL-Timer (Smart Board)	Relay switch that controls exhaust and air assist so they stop running when laser is not working
Warning Light	Visible red / green light on machine so you know when job is finished
Support	Free lifetime support