

## Thunder Laser Bolt Technical Specifications

Engraving / Working Area	20" x 12" x 4.3"
Max Part Size	21.9" x 14" x 4.3"
Laser Wattage	30w
Intelligent Memory Capacity	Multiple File Storage up to 1G
Laser Source	Air-Cooled Radio Frequency Metal Tube
Electrical Requirements	Standard 110v AC 60Hz Single Phase, dedicated 15A circuit
Air Assist	Air pump 5-7psi included
Machine Size	36" x 27" x 18"
Training	Thunder Academy Training Videos
Red Dot Pointer	Shows where laser will fire, allows for "dry run", allows for easy positioning on material
Camera System	Included high resolution camera 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	High-Speed 5-phase stepper motors, up to 1,000 mm/s (39.4"/second) and true 3G acceleration
Resolution	User controlled from 100 to 2000dpi
Safety	Open cover protection and heat alarm system
Auto Focus	Touch Pin Auto-Focus system to easily bring material into focus
Belts	High-quality fiberglass reinforced neoprene belts
Water Chiller	N/A
Ventilation	375CFM Exhaust Fan. There is one 4" port on the rear of the machine
Motorized Table	Flat, solid aluminum
Laser Heads	1.5" Lens included, optional 2", 2.5", and 4"
Warning Light	Visible red / green light on machine so you know when job is finished
Support	Free lifetime support