



## LASER ENGRAVER *Odin Series*







# Increase by 100%

Thunder Laser's #1 choice for a premium engraving system *Introducing the Odin Series.*

**F**aster efficient engraving. The motor works with low noise and high speed.

**100%** One of the most important benefits is that the motor allows speed to increase by 100 percent.

**L**ong lifespan with RF laser source

**100%** Assured to prolong the tube life time by 100 percent.

**A**ccurate RF metal laser tube provides a more refined laser dot

**100%** Enables 100 percent speed increase and a precise quality engrave.

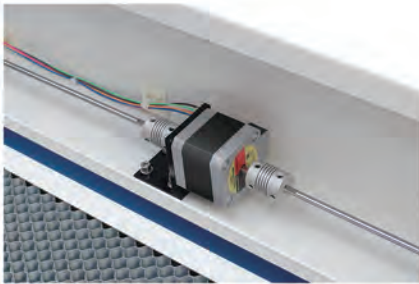
## STANDARD SPECS

	Odin 22	Odin 32
Working area	559X381mm (22" x 15")	813X508mm (32" x 20")
Maximum Material Thickness	185mm (7.3")	185mm (7.3")
Laser Power	30watts	55watts(Coherent)
Cooling	Air cooled	Air cooled
Laser Source	Radio Frequency Metal Laser Source	
Motion Control System	High-speed 5 phase stepper motor, up to 80 IPS (2000mm/s)	
Resolution(DPI)	User controlled from 100 to 1000 dpi	
Operating System	Windows, Mac, and Linux (Mac and Linux with LightBurn Software)	
Intelligent Memory	Multiple files storage up to 128MB	
Electrical Requirements	110 to 240 volts, 50 to 60 Hz, single phase	
Machine Size	1030x860x1090mm (40"x34"x43")	1284x987x1090mm (51"x39"x43")



# FEATURES

The Odin Laser System features Japanese Oriental 5 phase stepper motor systems on the X and Y axes, empowering the laser to move faster and more precise. This enhances the quality and productivity of your products.



## High Speed Motor

Japanese ORIENTAL motor systems on X and Y axes, with 80 IPS (2000mm/s) and 3G acceleration engraving speed.



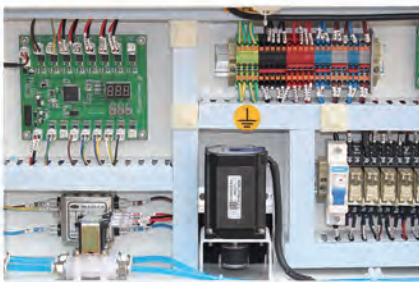
## RF Laser Tube

Output with excellent beam quality and stable laser power. Service life of over 20,000 hours.



## Dual Air

Accurate control of your air assist for cutting and engraving, high and low air pressures allow for cleaner results.



## Well-designed Circuit

We have built a simple and effective circuit to enhance the reliability of the system.



## Heat Alarm Detector

Monitoring the interior temperature of the machine. If it becomes dangerously high the sensor will sound an alarm.



## Drawer-type Bin

Provides a convenient and practical method for waste collection.

## INSPIRE CREATIVITY

The Odin series of laser engravers will impress you with their speed, security, and accuracy. For signmakers, graphic artists, schools & universities, creative or industrial users, our world-class solutions provide true competitive advantage.

“

Products with a personal customisation are gaining in popularity. An engraver's field of application is very diverse. Thunder Laser Systems inspire companies and end customers to increase their business by expanding their product range.



# MATERIALS

Materials	Engrave	Cut	Materials	Engrave	Cut
Wood	✓	✓	Cork	✓	✓
Acrylic	✓	✓	Corian	✓	✓
Delrin	✓	✓	Twill	✓	✓
Cloth	✓	✓	Anodized Aluminum	✓	X
Leather	✓	✓	Painted Metals	✓	X
Mat Board	✓	✓	Tile	✓	X
Melamine	✓	✓	Glass	✓	X
Paper	✓	✓	Coated Metals	✓	X
Mylar	✓	✓	Ceramics	✓	X
Pressboard	✓	✓	Marble	✓	X
Rubber	✓	✓	Stainless Steel	*	X
Wood Veneer	✓	✓	Brass	*	X
Fiberglass	✓	✓	Titanium	*	X
Plastic	✓	✓	Bare Metal	*	X

## Thunder Laser Range



Nova Series



Odin Series



Aurora Series

## Contact us

DONGGUAN THUNDERLASER INDUSTRIAL CO.,LTD

Dongguan City, Guangdong Province, China

+86 18103043363

sales@thunderlaser.com

www.thunderlaser.com



/THUNDERLASER



/THUNDERLASERSYSTEM