

Laser Cutting Systems



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 /THUNDERLASER

 /THUNDERLASERSYSTEM

NOVA SERIES BROCHURE

THUNDER
LASER

2020/2021

THUNDER LASER will show case a range of CO2 laser cutting and engraving systems.

Thunder Laser Worldwide

Thunder Laser is professionally engaged in producing laser cutter and laser engraver as well as the research and development of laser control system. Thunder Laser has been always devoted to offering domestic and international clients good service related to laser cutting and engraving.

Rigorous rules in procurement ,research and development, producing ,quality testing ,after-sales service and other key parts; typical management mechanism of our own; standard quality control in production line ,which made our offerings have gotten certifications of the CE and FDA earlier. With the direction of the technical experts from Germany, we have established distinctive advantages of our own and have won perfect appraisalment in the international market especially Europe and America.

To be the best for serving clients is Thunder laser' s business philosophy. We have always been committed to offer clients the perfect laser products and the most professional after-sales service. What we are pursuing is to make clients be satisfied with our products and get their recognition. That is our main motivation. Thunderlasers welcome you to create a better future together with us.

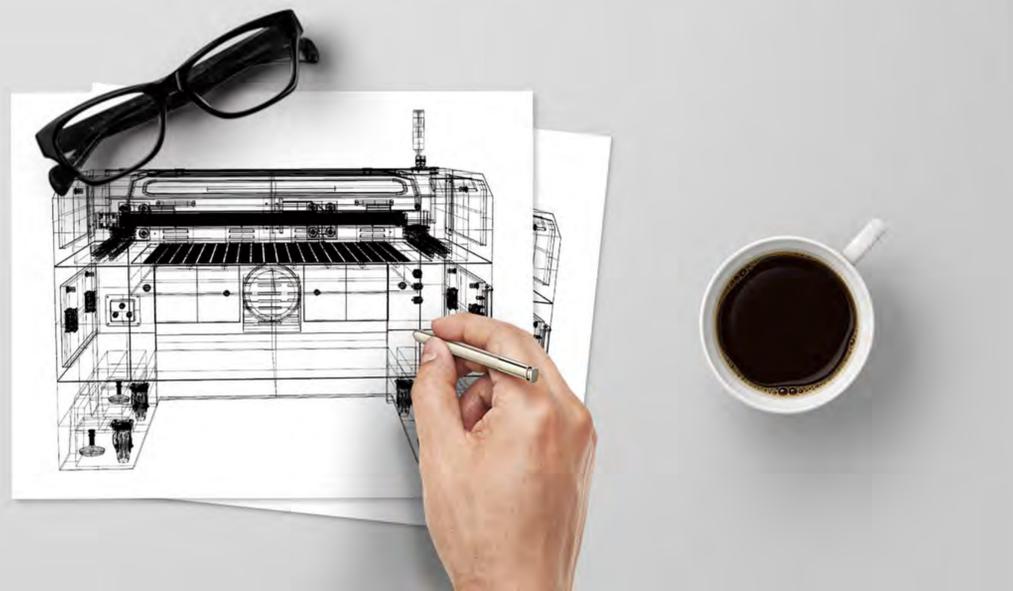


Nova Series



INDIVIDUAL MACHINE SPECS

Laser System	NOVA 24	NOVA 35	NOVA 51	NOVA 63
Laser Tube Wattage	40-60Watt	80-100Watt	100-130Watt	100-130Watt
Work Area	600x400mm	900x600mm	1300x900mm	1600x1000mm
Max Part Size (W x L x H)				
Front door closed	700x530x170mm	1000x730x230mm	1400x1030x230mm	1700x1130x230mm
Pass-through door	700x∞x15mm	1000x∞x20mm	1400x∞x20mm	1700x∞x20mm
Table Size	700x530mm	1000x730mm	1400x1030mm	1700x1130mm
Z Axis Height	155mm	230mm	230mm	230mm
Dimensions (W x D x H)	1070x810x610mm	1500x1105x1040mm	1900x1405x1040mm	2200x1505x1040mm
Net Weight	140Kg/308 lbs	310Kg/683 lbs	430Kg/948 lbs	470Kg/1036 lbs



STANDARD SPECS

Laser Type	Sealed Co2 Glass Laser Tube
Cooling	Water Cooled
Motion Control System	High-Speed Hybrid-Servo Motors
Maximum Speed	1000mm/S(39.4 IPS)
Speed and Power Control(engraving depth)	Computer or manually controlled speed and power from 0-100%. Vector color mapping sets speed and power settings using RGB color mapping.
Operating Modes	Optimized raster, vector, and combined mode
Resolution(DPI)	User controlled from 100 to 500DPI(standard laser head), up to 1000 DPI(HR head)
Computer Interface	Ethernet and USB Connection
Operating System	Windows, Mac, and Linux (Mac and Linux with LightBurn Software)
Buffer Memory	128MB Standard
Display Panel	3.5" LCD panel showing current file, total working time, laser power, speed etc.
Electrical Requirements	110 to 240 volts, 50 or 60 Hz, single phase
Ventilation System	Integral exhaust fan. There is 1 output port, 5.7" (145 mm) in diameter in the rear of the case.

ACCESSORIES



4" Laser Head

4" laser head is the laser head of the laser cutting machine that installed a 4" focus lens. The standard laser head is mainly used to cutting material less than 10mm. 4" laser head is the laser head of the laser cutting machine that installed a 4" focus lens. The standard laser head is mainly used to cutting material less than 10mm.



Hi-Res Lens

The High-Resolution head affords you the ability to double your standard resolution and achieve 800dpi or more! Its design focuses the laser beam into a smaller spot size than the standard laser head which makes the engraving result more detailed. It is suitable for engraving high precision photos and also a good performer on 3D engraving.



Chuck Rotary

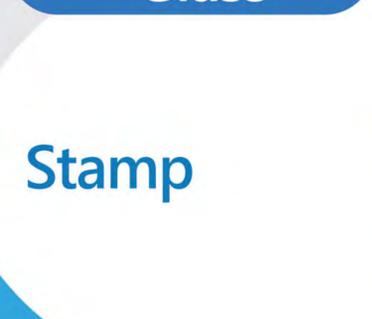
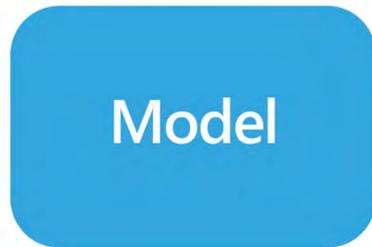
If you want to work on round items such as tumbler, mug and bamboo pipe by fabric laser cutting machine, the common laser working cannot meet your needs. The rotary axis attachment of Thunder Laser desktop laser engraver is designed for helping you to solve this problem. With the rotary axis working, you can not only use your laser machine to engrave on the round items, but also to cut.

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



With the Nova series of laser machines, you can engrave, cut or mark the widest possible range of materials. The palette ranges from glass, plastic or wood, rubber, leather and metals to textiles, cardboard and MDF. Discover the possibilities



WHAT LASER CAN CREATE



The Thunder Laser Advantage

User-Friendly

The intuitive and simple controls and supportive after-sales services from the company mean all Thunder Laser equipment is extremely user-friendly compared to other cutting and engraving laser systems.

Speed & Accuracy

The Nova laser system implements designs and produces finished items with speed and accuracy. Edges are smooth, lines are sharp, and the finished results are exactly as defined by the user with reliable uniformity.

Compact Sizing for Small Spaces

The Nova laser system offers equipment that is sleek and compact without compromising on quality. Users can possess Thunder Laser equipment no matter the size of the work space, from large manufacturing shops to small project rooms at home.

Economic Pricing

One of Thunder Laser's top priorities is to make laser cutting technology accessible to anyone. Through dedicated research and effective development they've produced equipment that offers high-end performance while maintaining affordable pricing.

▶ Warranty of Thunderlaser

The warranty of machine is for two year.
During warranty, we will send the parts to you for repairing/replacing.
When the warranty is over, we will charge for replacing.
If there's any problem in future, we will give you tech support by sending email/telephone/Skype and we will send you tech documents to fix the problems.