



*A Great fit for **Value** Buyers
Who Want **High Performance***

AUTOMATION
TECHNOLOGY
KNOWLEDGE



ATK LASERS

www.atklasers.com

Exclusive Catalogue



About Us

ATK LASERS was established in the year 2015, now the company is one of the leading companies engaging in the field of CNC Router Machine, Fiber Laser Cutting Machine, CO2 Laser, Fiber Laser Marking, Multi-functional CNC Wooden Turning Lathe Machine, and cutting technologies in India. We manufacture and bring the latest machines or technologies from different parts of the globe but also develop arrays of applications and educate our customers to learn about their values and significance.

ATK LASERS provides the newest technologies that keep surfacing or trending in the current market from time to time. It's not just the technologies but also the solutions/concepts which we constantly provide our customers. We help to expand their business by catering complete machines, consumables, accessories, and related. Ever since our presence in the industry, we have been maintaining a strict commitment to offering detailed training and instant service supports. We arrange proper and instantaneous availability of spare parts of our machines which in turn help our customers to run hassle-free for years quite effectively and to the fullest satisfaction. Customer counseling is a key practice at ATK LASERS. Before selling any machine to a customer, we try to understand the actual need of the buyer. This gives us a proper idea to provide optimum solutions which directly help our customers to sustain and grow their business in the current competitive.

Expertise

ATK LASERS has developed larger-sized, low-power-consumption laser systems. The company has expanded its product line to offer the latest Fiber cutting systems that integrate the most advanced laser source technology.

- Laser engraving & cutting machine- Large format, small & medium format
- CO₂ Laser non - metal cutting machine
- Fiber Laser metal cutting machine
- CNC Router Machine
- CNC Pattern Machine
- CNC Wooden Turning Lathe Machine
- Fiber Laser Marking machine

New Launches

ATK LASERS is all set to launch new products in the market. These include- Best Quality CNC Router Machine Classic Model, 4 Axis CNC Wooden Turning Lathe Machine.

The company has been in the laser business longer than anyone else in the Indian market. ATK LASERS systems are used both within India, as well as in the global markets. The company has a strong network of suppliers. ATK Lasers is known for implementing new and useful features that enhance the customers' ability to work more efficiently and gain higher profits.





ATK LASERS

Exclusive

Product Range

Top Performance in series

● CNC Router Machine

- CNC Router - Vacuum Bed
- CNC Router - Classic Model
- CNC Stone Router
- CNC Router With Top Rotary
- CNC Router - Double Head
- CNC Router With Side Rotary

● Wooden Turning Lathe Machine

- Turning + 3D Carving + Spiral
- Turning + Spiral
- Wooden Turning Only

● CNC Router Pattern Machine

- CNC Pattern Machine - 1000 mm Z axis
- CNC Pattern Machine - 800 mm Z axis
- CNC Pattern Machine - 600 mm Z axis

● Fiber Laser Cutting Machine

- Fiber Laser Cutting Machine Open Body
- Fiber Laser Cutting Machine Open Body with Pallet Changer
- Fiber Laser Cutting Machine Close Body
- Fiber Laser Cutting Machine Close Body with Pallet Changer

● CO₂ Laser Cutting Machine

- CO₂ Laser Cutting Machine - Model - 1309
- CO₂ Laser Cutting Machine - Model - 1325





CNC Router Machine

With Rotary Attachment

Model- ATK-RA



High Speed - Best Performance

CNC Router Machine-Double head

Model- ATK-DH

Mirror Working



CNC Router Machine - Vacuum Bed

Model- ATK-VB



Classic Model

Model- ATK-Classic



1. Excellent speed, efficiency, high precision CNC Router machine built in X, Y Axis drive system rack and pinion with Square linear rails achieving high positioning, motion accuracy & longer life.
2. Working Table with aluminium T-slot and PVC sheet for protection of worktable which ensures for longer life.
3. Optional spindles of various powers (0.8 KW/ 1.5 KW/ 2.2 KW/ 3 KW/ 4.5 KW/ 5.5 KW/6 KW) (Water / Air cooled) are also available.
4. Handheld DSP controller to set job parameter, and download from computer via USB cable and USB key also.
5. Original Indian spindle longer life and guaranteed performance.
6. High precision planetary servo gearbox.
7. High torque Easy servo motors and drives system technology.
8. The ATK Lasers make router ATK-RU-1325 is having the longer durability due to strongly welded steel structure and the rapid and high quality working capability that causes improvement in the productivity.
9. Industrial chillers, with easy maintenance.
10. Offers customized service & economical cutting.

X,Y,Z Working Area in mm	600 x 900 x 120	1300 x 2500 x 200	1500 x 3000 x 200	2000 x 2500 x 200
Table Structure	T-Slot Table / Water Bed / Vacuum Bed			
Transmission System	X & Y Gear Rack, Z Ball Screw			
Lead Linear System	X,Y,Z : Linear Square Guide Rails			
Spindle Power	1.5 KW / 2.2 KW / 3.5 KW / 4.5 KW / 5.5 KW / 6 KW / 7 KW / 9 KW 12 KW			
Spindle Speed	0-18000 rpm		0-24000 rpm	
Cooling Type	Water Cooled / Air Cooled			
Max. Consume Power	3.2 KW	4.5 KW	6.0 KW	
Drive System	Servo / Stepper			
Gear Box	Planetary Servo Gear Box / Stepper Pulley Belt Gear Box			
Control System	DSP (USB) , Close loop CNC			
Max. Rapid	Up to 25 m / min / Up to 35 m / min			
Compatibility file Format	G code, .u00*, .mmg*, .plt*.			
Working Voltage	AC 230V 50 Hz 1 PH / AC 415V 50 Hz 3 HP			
Optional	Rotary Attachment / Automatic Tool Changer / Dust Collector / Water Bed / Vacuum Bed / Double Head / 5 Axis			
X, Y Working Accuracy	0.05 mm			
Invertor	Delta / Dorna / Best / Yasakawa / Frecon			
Gross Weight	250 KG	800 KG	1000 KG	1500 KG

Applications



Acrylic Cutting



polypropylene



Corian Cutting



Mirror Carving



Wood carving



POP Carving



ACP Sheet Cutting



Marble 3D Carving



PVC sheet Cutting



Mdf 3D Carving



Plywood Carving



Wood Carving



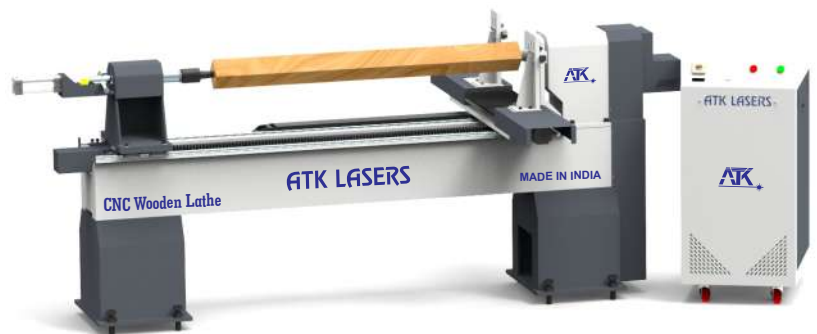
Turning + Spiral Lathe

Multi-functional
Wooden
Turning
Lathe
Machine

Model- ATK-LATHE



Turning + 3D carving + Spiral



Turning Lathe

Characteristic



CNC Wooden Turning Lathe Machine is used in Wood Work Industries, Furniture Work Industries, Carpentry Work, etc. Machine can perform **Lathe Work, 3D Carving work & Spiral Work** simultaneously. Machine gets command through CNC Program and by rotation and machining process work pieces get crafted as per the requirement. Quality, Function, Power, Operating Speed, Weight, Stability, and Robustness are the factors that need to be taken into consideration while selecting a proper Wooden turning Lathe Machine.

The machine is designed & developed to facilitate to give excellent performance in the form of an accurate and well-crafted work piece. Also, we provide the necessary help and support.

Applications

Various cylindrical work piece, bowl sharp, tubular sharp and vehicle wood crafts, various staircase column, stairway balusters, stairway newel posts, dining table legs, end table legs, sofa table legs, bar stool legs, Roman column, general column, washstand, wooden vase, wooden table, baseball bat, car wooden furniture, children' s bed column, chair arm posts chair stretchers; sofa and bun feet; bed rails; lamp posts; baseball bats and so on. etc.

Technical Specification

Model No	ATK-LAT-1530
Working Area (mm)	1500 X 300 mm
Transmission System	Ball Screw (ATK STD)
Lead Rail System X,Y,Z	Linear square guide rails
Spindle Power	3.5 KW - Air Cooled Spindle
Rotating Speed	0-24000 rpm
Collet Diameter	ER- 20
Drive System	Servo Motor
Control System	DSP (USB)
Build-in Memorizer	128MB
Data Reading Mode	line by line
Compatible Line Formats	G code, *.u00, *.mmg, *.plt
Working Voltage	AC 380V 50 Hz
Precision	0.05mm
Machine Speed	1500 – 3000 RPM
Work holding Devices	pneumatic



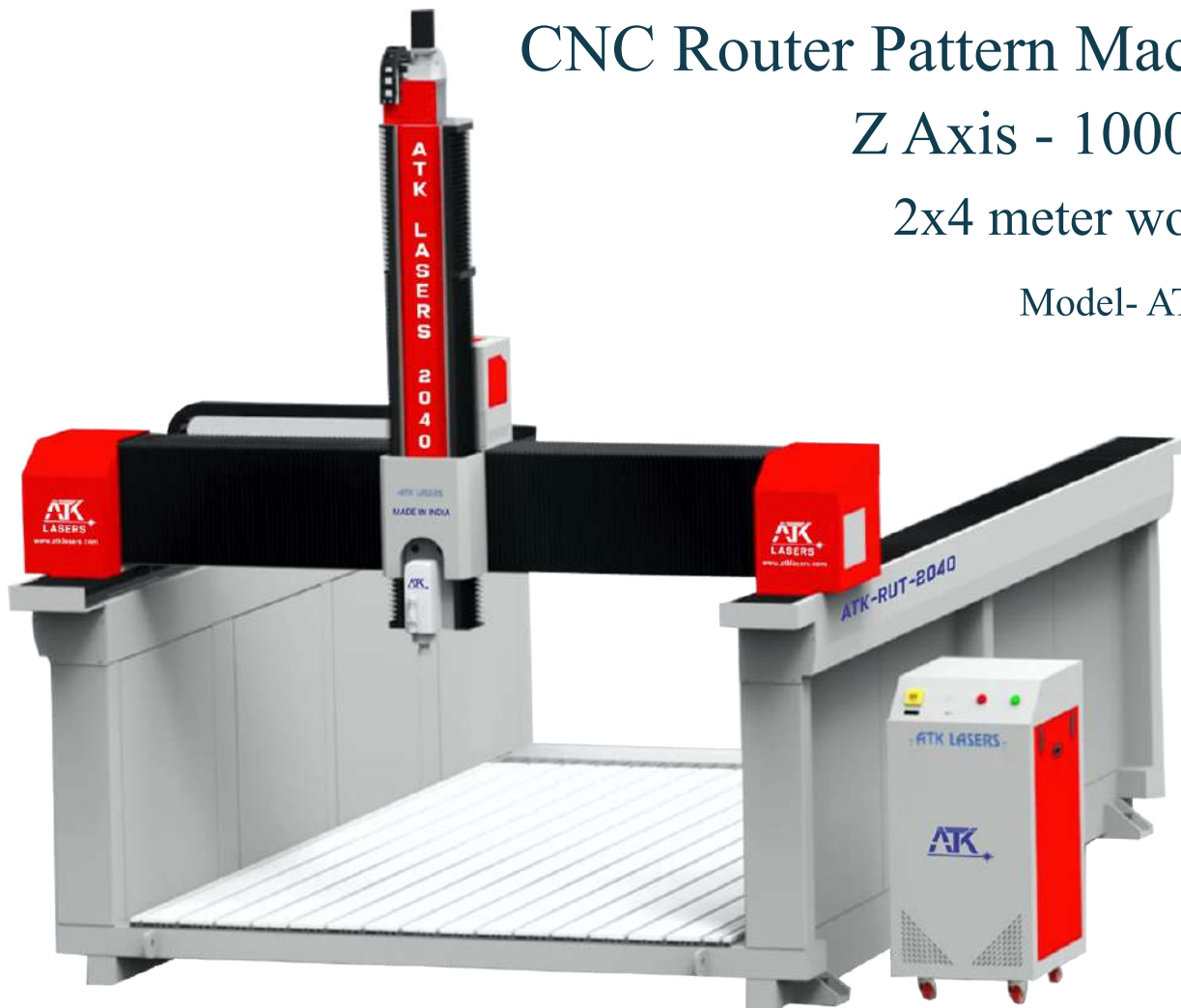


CNC Router Pattern Machine

Z Axis - 1000 mm

2x4 meter working

Model- ATK-PAT



CNC Pattern Machine

Z Axis - 300 mm



The cutting thickness of Z axis can reach up to 1000 mm, suitable for the large thick materials processing. The Pattern Making Machine is the best choice for people who want to do 2D cutting & 3D Engraving for Pattern & Wooden, Thermocol Industries It is the best choice for matured customers in this industries. Our Pattern Making Machines are known for their best performance, rigidity and high tensile strength. Also, the user friendly system of our Pattern Making Machines most attracts the customers.

Application:

This machine is mainly used for the following industrial fields.

Molds industry : it engravers all kinds of large nonmetallic molds, especially automotive foam molds, wooden ships molds, aviation and train woof molds.

Creative Tharmacol Samples





Fiber Laser Metal Cutting Machine



Fiber Laser Metal Cutting Machine

With Exclusive Palette Changer

Technical Specification

Exclusive Model	Fiber Laser Cutting Machine		
Working Area- 1530	1500 mm x 3000 mm	2000 mm x 4000 mm	2000 x 6000 mm
Z Axis	150 mm		
Laser Power	1000 Watt / 1500 Watt / 2000 Watt / 3000 Watt / 4000 Watt / 6000 Watt		
Laser Type	Fiber Laser		
Laser Wave Length	1064 nm		
Working table	Metal Structure		
Supply Voltage	415V 50Hz		
Repositioning Accuracy	±0.05 mm		
Positioning Accuracy	±0.01 mm/m		
Acceleration speed	0.8 G / 1.G/ 1.2 G / 1.5 G		
Drive Systems - XYZ Axis	AC Servo Motor & Drive		
Control System	CNC Control System		
Cooling method	Water cooled		
Cutting thickness	Depends on material		
Control System	Cypcut / weihong / Au3Tech / ATK Std		
Laser Cutting Head - Auto Focus	Raytool / Au3Tech / ATK Std		
Linear Guide System	Hiwin / SBC / Taiwan / PMI / ATK Std		
Transmission System	Dual rack & pinion		
Rack System	YYC - Taiwan / Atlanta / KHX / ATK Std		
Pneumatic system	Janatics - Festo / Ausko / ATK Std		
Electronic Pressure Regulator	SMC / Festo / Ausko / ATK Std		
Servo Gearbox	GLT / Shimpo / Apex / KHX / ATK Std		
Servo Motor	Panasonic / Yasakawa / Yasaka		
Chiller	Pure Water Dual Temperature Chiller / ATK Std		
Working Life of Fiber Module	More Than 100000 Hours		
Exhaust	Fume Exhaust System.		

Material Can Cut

- Carbon Steel
- Stainless Steel
- Aluminum
- Brass
- Copper

Advantages on Fiber Laser

Lower Processing Cost.

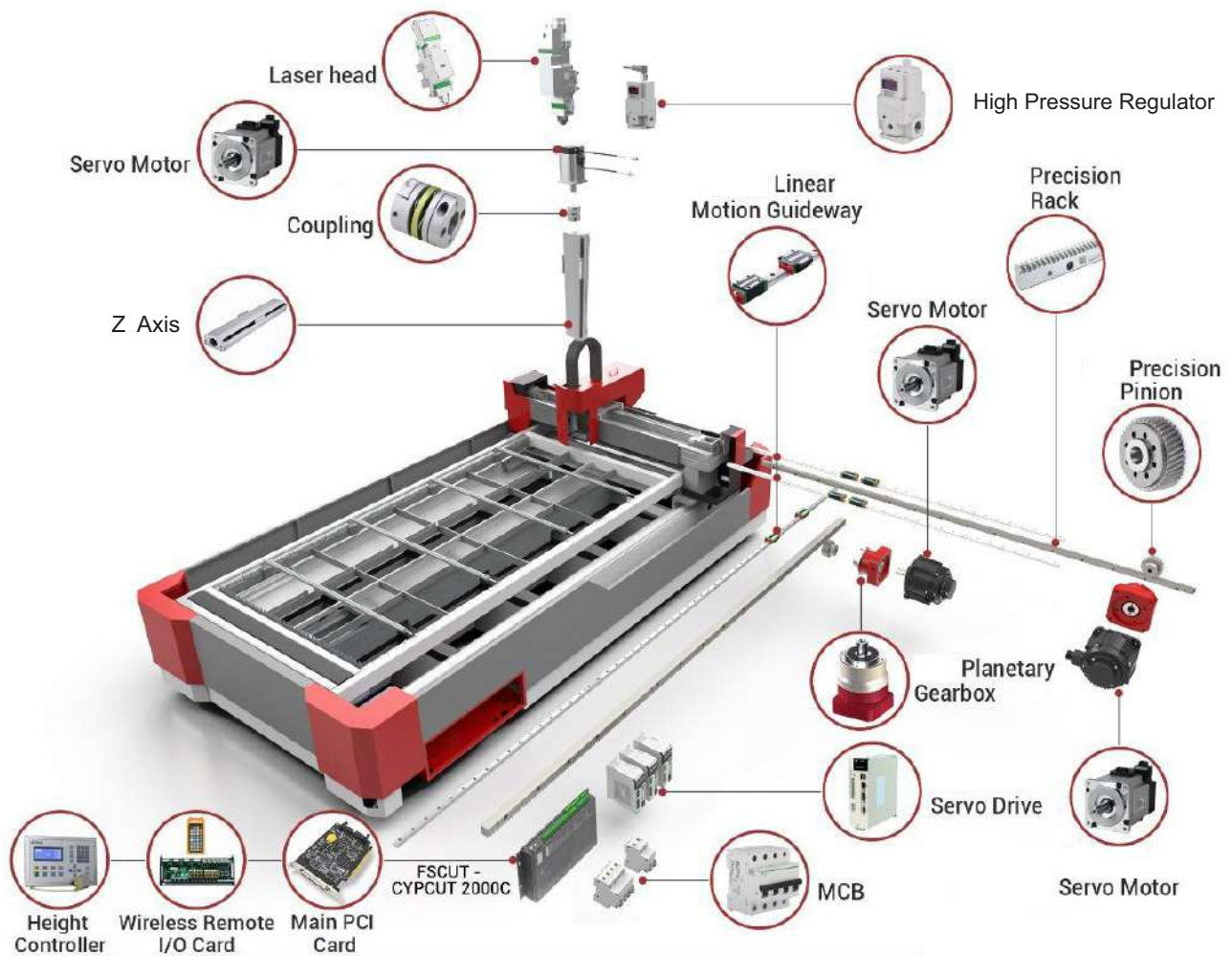
Excellent Speed & High Power

Wide Cutting Range

Precise Cutting Quality

Better Cutting Efficiency

High Return on Investment



Laser Chiller



Industrial Machine bed

Features

- **Type:** Fiber Laser Metal Cutting System – **ATK-F1530**
- **Structure:** Gantry, Double drive
- CNC bed is designed with special steel grade to enable highest accuracy machining.
- Light alloy beam (X axis) to provide High dynamic performance. The optical path changes while the sheet remains still, thus the processing efficiency is high.
- X, Y axis adopts high quality gear and rack, reduction gear, ensuring life and precision for a long time...
- The system is equipped with section dust collector to improve the working environment. The area beneath the cutting table is divided into several sections. During the cutting process, only the ducts directly beneath the cutting head are open for fume extraction. The ducts in the other sections remain closed to improve dust collection.
- All servo motors are with incremental Encoder.
- High torque planetary servo gearbox used.
- CNC Controller with Fly cutting and piercing option, In-process key parameters change option, In-process key parameters change option.
- Auto-nesting software with free form nesting function
- High quality precision auto focus cutting head.
- Advanced pneumatic systems are used
- Lubrication for all guides and rails are protected by bellows
- High quality special fiber laser chillier unit.

Applicable Industries

Application : Metal Cutting, Aerospace , Food Machinery, Electrical Switch Manufacturing, Textile Machinery, Engineering Machinery, locomotive manufacturing , agriculture and forestry Machinery, Elevator Manufacturer , Special Vehicle Household Appliances, Tools, Processing, IT manufacturer , Oil machinery, Food Machinery, Diamond Tools Welding, Welding Gear, Metal Materials, Decoration Advertising , Laser Surface Treatment of foreign processing Services, Such as all of machinery Processing Industries.

Material Cutting Thickness

Material	1000 Watt (1 kW)	2000 Watt (2 kW)	3000 Watt (3 kW)	4000 Watt (4 kW)	6000 Watt (6 kW)
Carbon Steel	8	12	16	20	25
Stainless Steel	4	6	8	10	12
Aluminum	4	6	8	12	15
Copper	2	3	5	6	10
Brass	4	6	8	10	12



STAINLESS STEEL					
Thickness (mm)	1000 Watt Feed mm/min.	2000 Watt Feed mm/min.	3000 Watt Feed mm/min.	4000 Watt Feed mm/min.	6000 Watt Feed mm/min.
0.5	20000	30000	35000	35000	35000
1	15000	20000	25000	30000	30000
1.5	8000	14000	16000	20000	30000
2	5500	9000	12000	15000	18000
3	2500	5000	7500	9000	12000
4	1250	2800	4000	5000	10000
5		2500	3000	4000	7000
6		1200	2500	3200	5200
8			1200	1600	2000
10				950	1300
12					1000
16					
20	Nitrogen Cutting				
25	Oxygen Cutting				

MILD STEEL					
Thickness (mm)	1000 Watt Feed mm/min.	2000 Watt Feed mm/min.	3000 Watt Feed mm/min.	4000 Watt Feed mm/min.	6000 Watt Feed mm/min.
0.5	20000	30000	35000	35000	35000
1	15000	20000	25000	30000	30000
1.5	8000	14000	16000	20000	30000
2	4800	8500	11000	12000	20000
3	2800	4000	4100	4400	5400
4	2200	3100	3300	3700	4400
5	1800	2600	2800	3500	3800
6	1500	2200	2600	3000	3400
8	1000	1600	2200	2500	2700
10	750	1200	1600	2000	2500
12		900	1100	1500	2000
16			850	1100	1300
20	Nitrogen Cutting				
25	Oxygen Cutting				

ALUMINIUM					
Thickness (mm)	1000 Watt Feed mm/min.	2000 Watt Feed mm/min.	3000 Watt Feed mm/min.	4000 Watt Feed mm/min.	6000 Watt Feed mm/min.
0.5	20000	30000	35000	35000	35000
1	15000	20000	25000	30000	30000
1.5	8000	14000	16000	20000	30000
2	3800	9000	12000	15000	18000
3	2000	5000	7500	12000	16000
4	1200	3000	5500	7500	12000
5		2600	3000	5000	7000
6		1200	2000	3500	4800
8			1200	1600	2400
10				1200	1800
12				650	1400
16					1000
20	Nitrogen Cutting				
25	Oxygen Cutting				

6

Pre-Sale Service:

Free Sample making

Pre-Sale & after sale service commitment

For free sample making/testing , customer can send samples or products CAD Graphics to our company. Shipping back cost should be paid by purchaser.

Progressing Solution Design :

According to customers product processing requirement , we can design the unique solution that supports higher manufacturing efficiency and better precessing quality of customer.

After Sale Service :

Training to install :

We will supply the machine with training and user manual in English for installing, operation maintenance and trouble-shooting, and we will give technical guidance by email, telephone, WhatsApp, skype, team viewer, any desk. when you meet someone problem of installation, using or adjusting the cutting parameters.

Warranty:

The Warranty period of fiber laser source is 2 years, all other machine parts are 1 years. warranty will be starting from machine is arriving in customer destination , Except the damage artificially, we are responsible for offering the fittings free of charge during the warranty period. Customer need to send damaged fittings to us courier with customers charges before we send back the alternative fittings. after warranty period, parts need to be repaired or charges shall be paid

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Laser Engraving & Cutting Machine

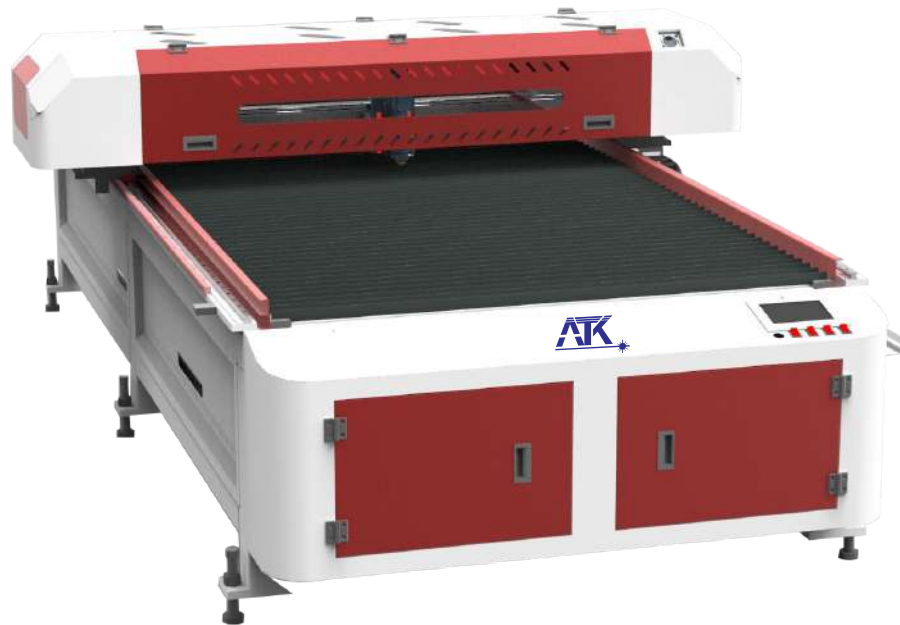
Model- ATK-ENG



Features & Technical Specifications

- 1.Type - CO₂ Laser Engraving & Cutting Machine
- 2.structure - Precision belt drive system.
- 3.X-Y optical path system ensures consistency in cutting.
- 4.Aluminum strip working table has wide application working options and field can engrave all kinds of non- metal within working area (optional honeycomb available on demand)
- 5.smart curve controller with USB2.0 high speed interface, safer and fster data transmission

MODEL No	ATK-1313	ATK-1390
Laser Type	Co2 DC Glass Laser Tube	
Laser Power	60/80/100/130/150 Watt	
Wave Length	10.6 um	
Supply Voltage	AC 220V ± 10%	
Reposition Accuracy	± 0.05 mm	
Cutting Speed	0 ~ 30000 mm / min	
Engraving Speed	0 ~ 64000 mm / min	
Cooling Method	Water Cooled	
Work Environment	Temp: 0 C ~ 45 c. Humidity: 5% ~ 95%	
Acceleration Speed	1 G	
Working Area	1300 x 1300	1300 x 900
Graphic File Support	.plt, .cdr, .ai, .dwg, .dxf, .bmp, .jpeg, .tiff, gif, etc.	



CO₂ Laser Non-metal Cutting machine - 4'x8'

Model- ATK-NM

Features & Technical Specifications

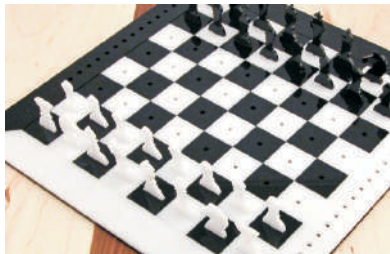
1. CO₂ Laser Non-metal Cutting Machine
2. Structure : Gantry type structure
3. High Precision rack & Pinion & Servo Motor
4. Hiwin linear guide rail.
5. X-Y path system ensures consistency in cutting
6. Aluminum strips working table has wide applicable working options and field can engrave engrave all kinds on non- metallic materials within working area. (optional honey comb available on demand & spoils)
7. Smart curve controller with USB 2.0 high speed interface, safer and faster data transmission
8. Offers customized service & Economical Cutting.
9. Servo motor and servo drive system technology.
10. Read beam Pointer & Twin zone exhaust system.

MODEL No	ATK-1325
Laser Type	Co2 DC Glass Laser Tube
Laser Power	100/130/150 Watt
Wave Length	10.6 um
Supply Voltage	AC 220V ± 10%
Reposition Accuracy	± 0.05 mm
Working Table	Fixed Knife steel blades
Graphic File Support	.plt, .cdr, .ai, .dwg, .dxf, .bmp, .jpeg, .tiff, gif, etc.
Cooling Method	Water Cooled
Moving System	Servo motor system
Acceleration Speed	1 G
Working Area	1300 x 2500
Optional	Auto feeding system for textile application & conveyor moving.





Application



INDUSTRIAL

Master Collection

CNC Router Bits for Cutting Challenges for all Types of Material



CO₂ Laser Non-metal Cutting Machine Spares



Co2 Laser Glass Tube



Lens



Mirror



Industrial Chiller



Air Compressor



Power Supply



Laser Head



Honeycomb Table



Belt



Exhaust Fan



Display Controller



Laser Tube Mount Holders

CNC Router Machine Spares Parts



DSP Controller



Water cooled Spindle



Air cooled Spindle



Planetary Gear Box



Servo Motor



Linear Rail & Guide Block



VFD



Digital Drive & Servo Motor



Ball Screw



Rack & Pinion



Industrial Chiller



Cable Drag chain





INDIA'S Leading
Manufacturers of all Types of CNC Router Machine,
Laser Machines & CNC Wooden Turning Lathe Machines.

We deliver customized machineries as per the requirement



ISO 9001:2015 & CE Certified Company



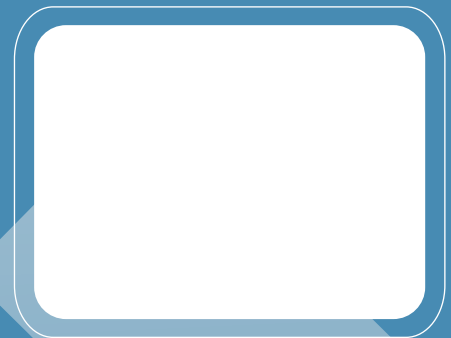
Highest Rated & Reviewed on Online Platform

For more information go to
www.atklasers.com

Head Office



Gat No.202, Plot No.17, Near Priyadarshani school
Moshi, Dehu Road, Moshi Pune Maharashtra 412105
Contact - +91 7378303031 / +91 9545905303
+91 7666717917, Email-marketing@atklasers.com,
atklasers@gmail.com, infoatklasers@gmail.com
Web-www.atklasers.com



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