



Leapion

# PRODUCT CATALOGUE

- 
- ▶ Laser Cutter
  - ▶ Laser Cleaner
  - ▶ CNC Router
  - ▶ Laser Welder
  - ▶ Laser Marker
  - ▶ Press Brake

SINCE 2007

[www.leapion.com](http://www.leapion.com)

# Leapion

## INTRODUCTION



All Leapion products are tested more than 5 times before packaged and shipped to the customer's address. We are committed to providing you with the highest quality equipment available. All of the products in this catalog are available for customization, including the color and style of the unit's housing, painting of the customer's brand logo in the specified location, and replacement of core components of the specified brand. Please feel free to contact Leapion sales staff with any questions you may have.

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# COMPANY PROFILE

## SINCE 2007

Leapion started to produce Laser Machines and CNC Routers business in 2007. We are a global manufacturing company producing Laser Cutter, Laser Welder, Laser Cleaner, Laser Marker and CNC Router, for various applications such as Signage, Advertising and Woodworking Furniture. Leapion Laser is becoming the world's TOP in Laser Equipment Industry. We have been developing continuously with the spirit of striding forward, the spirit of sharing achievements, and the service tenet of first credit and first service. Our company integrates research and development, production, sales, and maintenance services, and specialized in manufacturing Laser Cutting Machines, Fiber Laser Cutting Machines, CNC Woodworking Engraving Machines, CNC Advertising Engraving Machines, CNC Glass Engraving Machines. Leapion factory now has 170 employees and 40 researchers, 20000 m<sup>2</sup> factory. Leapion Equipment has long been exported to most countries in the world, including Asia, Europe, America, Africa, and Oceania. We attend more than 10 exhibitions per year.



COMPANY HALL

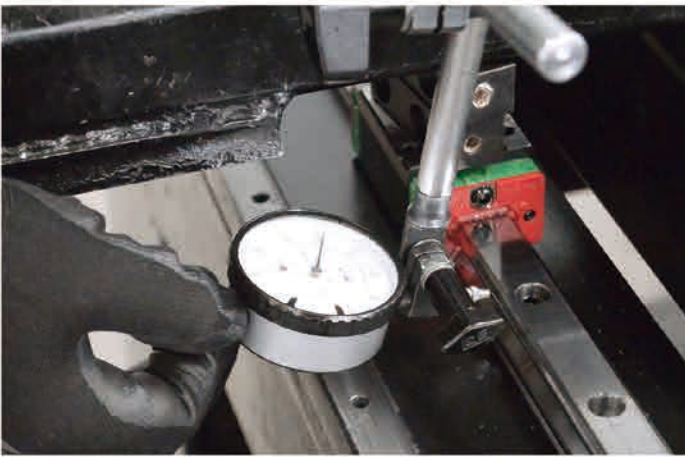


PRODUCTION LINE

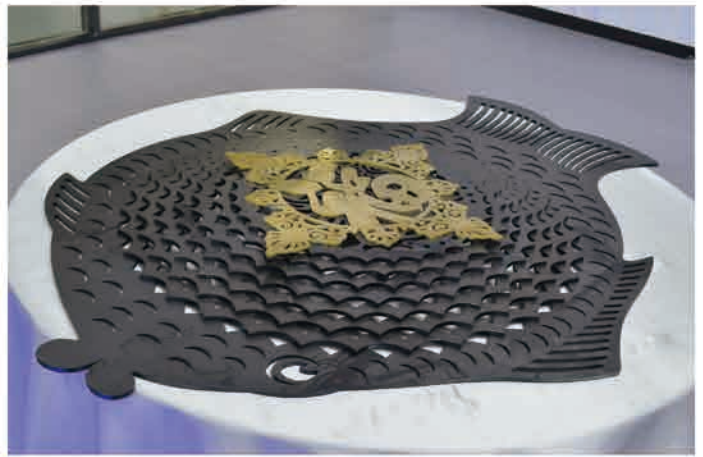




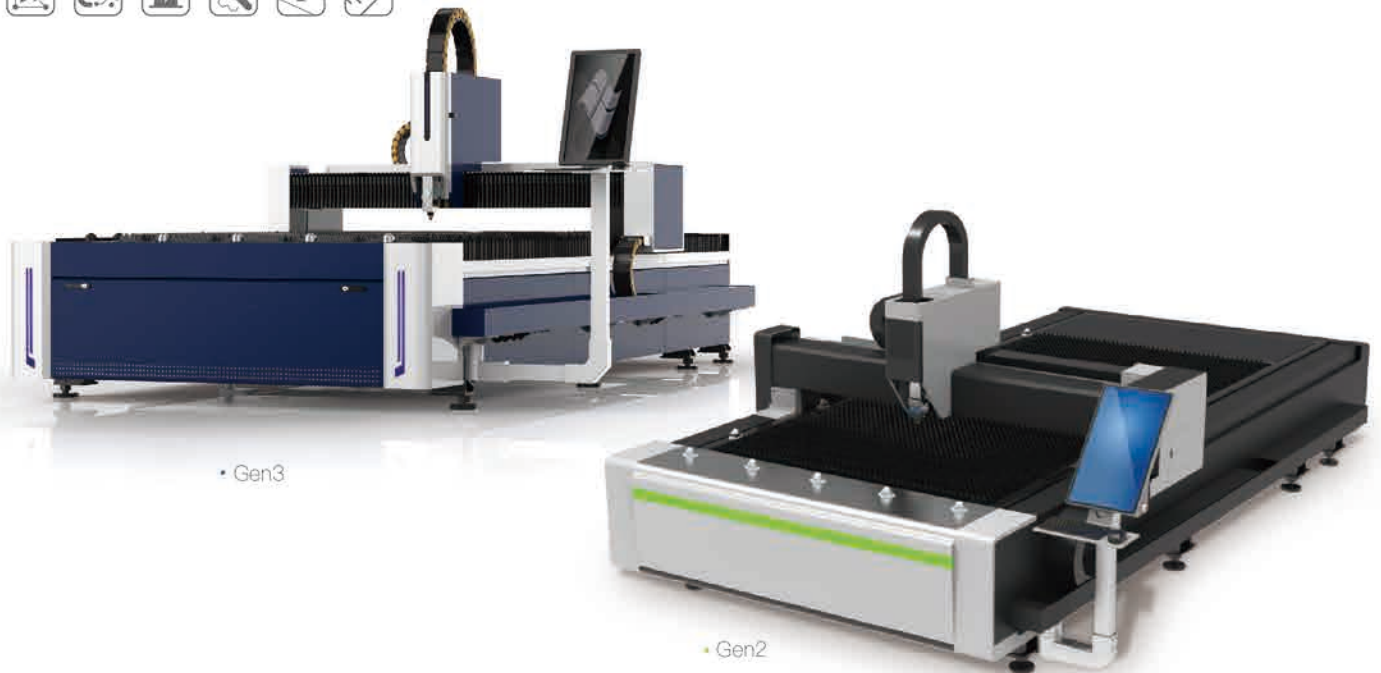
PRECISION TEST



FACTORY SAMPLES



# LF-EA Economic Fiber Laser Cutting Machine



## Product Description

- ▶ An economical device specifically designed for low power (1000w-2000w) applications, suitable for cutting and marking thin metal sheets, maximizing cost savings for factory owners.
- ▶ With a more rational design of a heavy-duty bed and a lighter beam, this product combines increased mobility and cutting speed, resulting in improved processing efficiency.
- ▶ Leapion offers a wide range of choices for customers, including laser sources, control systems, laser heads, and other essential components. Additionally, Leapion provides OEM services to meet specific requirements.



## Technical Parameters

Mode	LF-3015EA
Working Area	3000*1500mm
X Y Z Axis Stroke	1510*3050*100mm
Laser Power Supply	1000w, 1500w, 2000w
Maximum Acceleration	0.8G
Positioning Accuracy	±0.03mm
Voltage	380V 3PH 50/60HZ
Cutting Ability	Carbon Steel: 0.8-16mm, Stainless Steel: 0.8-6mm
Upgrade	Independent Control Cabinet, Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator

# LF-B Basic Fiber Laser Cutting Machine



## Product Description

- ▶ The Gen3 device offers a standalone control cabinet design, saving material and assembly time costs for personnel.
- ▶ The sheet metal design of the device's exterior is more rational, allowing for the shipment of four units in a single container, thus reducing transportation costs for customers.
- ▶ Supporting power ranges up to 20000w, the device can be upgraded to the EX or ST model without the need to replace the bed and other components.



## Technical Parameters

Mode	LF-3015B	LF-6015B	LF-4020B	LF-6025B
Working Area	3000*1500mm	6000*1500mm	4000*2000mm	6000*2500mm
X Y Z Axis Stroke	1520*3100*100mm	1520*6050*100mm	2040*4050*100mm	2510*6100*260mm
Laser Power Supply	2000w, 3000w, 6000w, 12000w, 20000w			
Maximum Acceleration	2G			
Positioning Accuracy	±0.03mm			
Voltage	380V 3PH 50/60HZ			
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm			
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator			

# LF-EX Exchange Platform Fiber Laser Cutting Machine



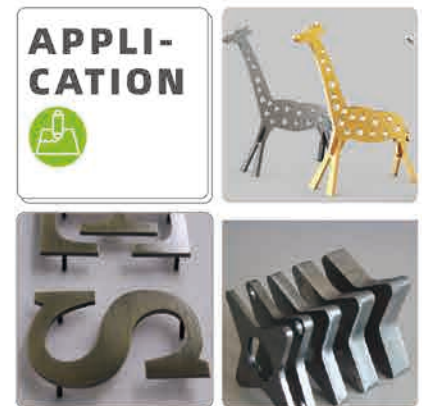
• Gen2



• Gen3

## Product Description

- ▶ The rapid exchange platform of the 3015-sized equipment allows for a 10-second exchange, saving loading and unloading time for users, ensuring uninterrupted machine operation, and improving overall efficiency.
- ▶ The exchange platform can be controlled in three ways: through the keyboard and mouse of an industrial computer, a wireless control handle, or an independent control platform located in the middle of the device.
- ▶ With the intelligent control system, the machine offers simple operation and comprehensive functionality. Equipped with an industrial computer, it enables quick execution of industrial design within the cutting software.

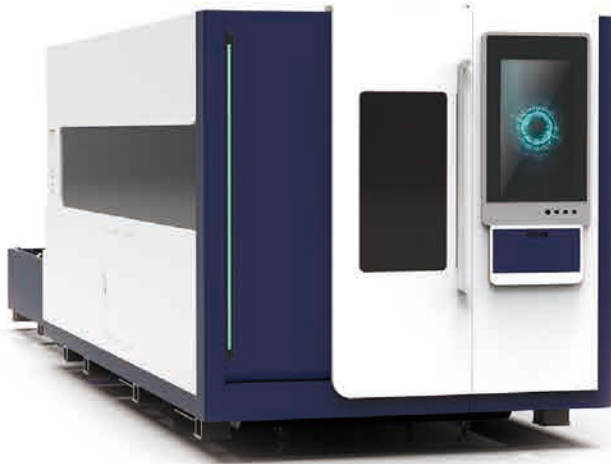


## Technical Parameters

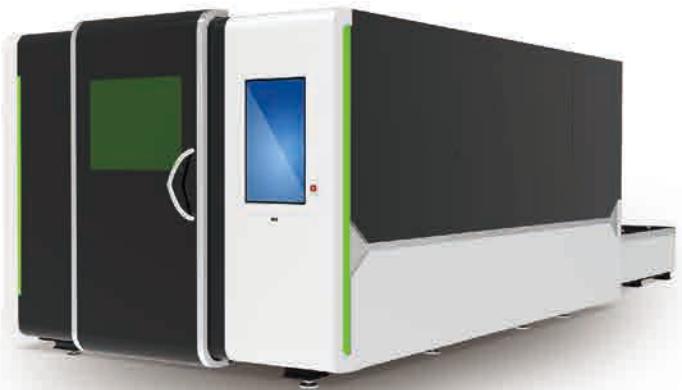
Mode	LF-3015EX	LF-6015EX	LF-4020EX	LF-6025EX
Working Area	3000*1500mm	6000*1500mm	4000*2000mm	6000*2500mm
X Y Z Axis Stroke	1520*3100*100mm	1520*6050*100mm	2040*4050*100mm	2510*6100*260mm
Laser Power Supply	2000w, 3000w, 6000w, 12000w, 20000w			
Maximum Acceleration	2G			
Positioning Accuracy	±0.03mm			
Voltage	380V 3PH 50/60HZ			
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm			
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain			



# LF-PE Protective Enclosed Fiber Laser Cutting Machine



• Gen3



• Gen2

## Product Description

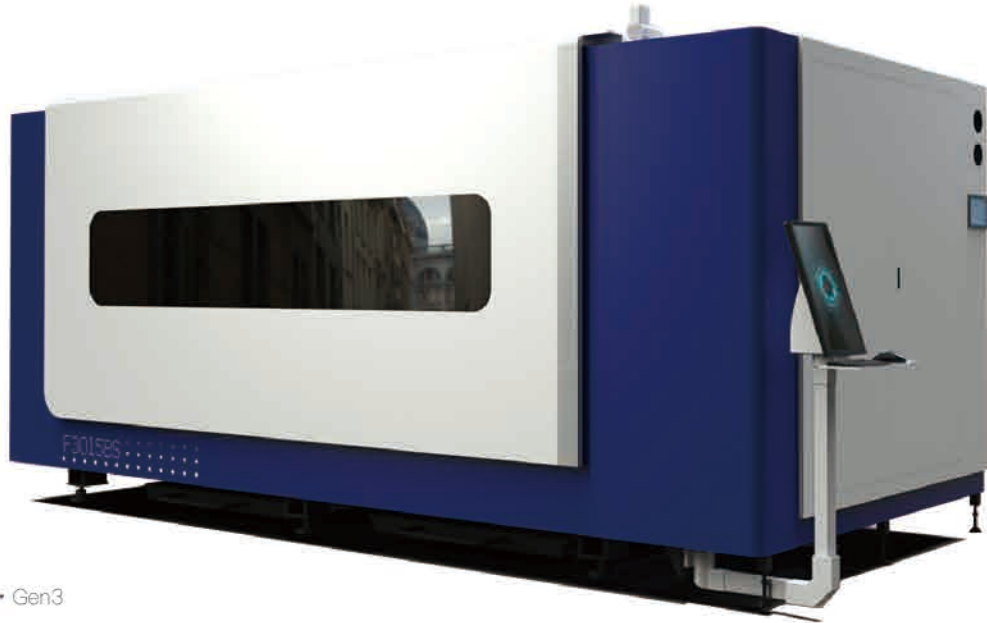
- ▶ The high-strength metal protective case shields the operator from laser radiation, while also providing an enclosed and environmentally friendly solution for collecting and disposing of fumes and debris.
- ▶ Two surveillance cameras enable the operator to monitor the cutting head's operation without opening the door, and detect the loading and unloading of the rear bed without any movement.
- ▶ The 3015-sized exchange table can complete exchanges in as fast as 10 seconds, saving loading and unloading time and enhancing machine efficiency. Additionally, the large-size operation screen caters to various customer needs.vvvv



## Technical Parameters

Mode	LF-3015PE	LF-6015PE	LF-4020PE	LF-6025PE	LF-12025PE
Working Area	3000*1500mm	6000*1500mm	4000*2000mm	6000*2500mm	12000*2500mm
X Y Z Axis Stroke	1520*3100*100mm	1520*6050*100mm	2040*4050*100mm	2510*6100*260mm	2510*12500*260mm
Laser Power Supply	2000w, 3000w, 6000w, 12000w, 20000w, 30000w, 40000w, 50000w, etc.				
Maximum Acceleration	2G				
Positioning Accuracy	±0.03mm				
Voltage	380V 3PH 50/60HZ				
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm				
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain, Door Protection Switch				

# LF-SE Single Bed Enclosed Fiber Laser Cutting Machine



• Gen3

## Product Description

- ▶ This is Leapion's latest machine, launched in 2023 to meet the demands of the European market, offering high safety and environmental protection with its enclosed design.
- ▶ With its single-platform configuration, the machine also provides high flexibility, allowing for shipment in a 20-foot container and minimizing transportation costs for customers.
- ▶ The equipment can be shipped without the need to dismantle any electrical components, saving assembly time and cost for users. Upon receiving the equipment, users only need to perform a simple main power connection to start using it.



## Technical Parameters

Mode	LF-3015SE
Working Area	3000*1500mm
X Y Z Axis Stroke	1525*3050*260mm
Laser Power Supply	1000w, 1500w, 2000w, 3000w
Maximum Acceleration	1.5G
Positioning Accuracy	±0.03mm
Voltage	380V 3PH 50/60HZ
Cutting Ability	Carbon Steel: 1-25mm, Stainless Steel: 1-12mm, Aluminum: 1-8mm, Brass: 1-8mm
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator

# LF-Mi Mini High Precision Fiber Laser Cutting Machine



## Product Description

- ▶ Designed for high-speed laser processing of thin sheets. Stable operation, mature technology, high cutting efficiency, and small footprint.
- ▶ The machine features excellent overall rigidity and high strength. The base is made of marble, and the beam is made of extruded aluminum profiles, ensuring good acceleration performance and effective prevention of structural deformation.
- ▶ All-time cutting with high efficiency, quality, and material utilization. Strong scalability and flexibility.



## Technical Parameters

Mode	LF-6060Mi
Working Area	600*600mm
X Y Z Axis Stroke	600*600*100mm
Laser Power Supply	1000w, 1500w, 2000w, 3000w, 6000w
Footprint	1480*1480*2050mm
Positioning Accuracy	±8μm
Voltage	380V 3PH 50/60HZ
Maximum Acceleration	1.5G
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator

## LF-L Large Size Fiber Laser Cutting Machine



• Gen3

• Gen2

### Product Description

- ▶ The ground rail type large-format fiber laser cutting machine offers versatile solutions for customers in the construction, automotive, and shipping industries.
- ▶ Equipped with a high-power fiber laser, it can be paired with an air compressor to utilize compressed air for efficient mass cutting, reducing cutting costs and improving efficiency.
- ▶ Utilizing the bus signal transmission method, this machine ensures faster signal response, higher precision, and increased operational sensitivity. The follow-up support system provides maximum protection for the pipe, minimizing the risk of damage.



### Technical Parameters

Mode	LF-12025L	LF-14035L
Working Area	12000*2500mm	14000*3500mm
X Y Z Axis Stroke	2550*12250*260mm	3550*14250*260mm
Laser Power Supply	12000w, 20000w, 30000w, 40000w, 50000w, etc.	
Maximum Acceleration	1G	
Positioning Accuracy	±0.03mm	
Voltage	380V 3PH 50/60HZ	
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm	
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain	

# LF-TT Auto Loading&Unloaing TransTower Laser Cutting Machine



• Gen3



• Gen2

## Product Description

- ▶ The real automatic feeding system eliminates the need for manual secondary maintenance, allowing one person to control the entire machine's operation.
- ▶ With the capability to supply 8 layers of material storage in just one minute, each layer can store raw materials of varying thicknesses and metals. Additional layers can be customized based on customer requirements.
- ▶ Two surveillance cameras enable operators to monitor the cutting head's operation without opening the door, and detect rear bed loading and unloading without any movement.



## Technical Parameters

Mode	LF-3015TT	LF-4020TT
Working Area	3000*1500mm	4000*2000mm
X Y Z Axis Stroke	1520*3100*100mm	2040*4050*100mm
Laser Power Supply	2000w, 3000w, 6000w, 12000w, 20000w, 30000w, 40000w, 50000w, etc.	
Maximum Acceleration	2G	
Positioning Accuracy	±0.03mm	
Voltage	380V 3PH 50/60HZ	
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm	
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain, Door Protection Switch	

## LF-MT Mini Fiber Laser Tube Cutting Machine



• Gen3

• Gen2

### Product Description

- ▶ The fully automatic pneumatic chuck features a precise internal transmission structure that utilizes rack and pinion drive for enhanced accuracy.
- ▶ Specifically designed for cutting small pipes, it offers flexible rotation capabilities to meet the demands of fast and efficient cutting.
- ▶ With a smaller overall footprint, this equipment is more cost-effective and easy to install.



**APPLI-  
CATION**

### Technical Parameters

Mode	LF-6011MT	LF-6016MT
Min Diameter	Φ10mm □10mm	Φ20mm □20mm
Max Diameter	Φ110mm □110mm	Φ160mm □160mm
Laser Power Supply	1500w, 2000w	
Maximum Acceleration	1G	
Positioning Accuracy	±0.03mm	
Voltage	380V 3PH 50/60HZ	
Chuck Speed	80r/min	
Upgrade	Air-Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain	

# LF-T Standard Fiber Laser Tube Cutting Machine



## Product Description

- ▶ Leapion offers a 3D cutting head and dedicated software for pipe layout, catering to diverse customer cutting needs.
- ▶ The pneumatic chucks, powered by high-power YASKAWA servo motors and utilizing rack drive systems, ensure precise, fast, and durable performance. They support round tubes, square tubes, and various special-shaped tubes.
- ▶ The cutting section features a protective cover, and the pneumatic protective door can be easily opened with button control for inspecting the cutting head. The bed can be customized to accommodate different lengths based on customer requirements.



## Technical Parameters

Mode	LF-6024T	LF-6035T
Min Diameter	Φ20mm □20mm	Φ20mm □20mm
Max Diameter	Φ240mm □240mm	Φ350mm □350mm
Laser Power Supply	1500w, 2000w, 3000w, 6000w	
Maximum Acceleration	1.5G	
Positioning Accuracy	±0.03mm	
Voltage	380V 3PH 50/60HZ	
Chuck Speed	60r/min	
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain	

## LF-T3 Three Chuck Fiber Laser Tube Cutting Machine



• Gen3



• Gen2

### Product Description

- ▶ The design includes a three-chuck system, with a movable middle chuck for "zero waste" processing and extended pipe capabilities.
- ▶ The gantry-style welding column offers improved stability compared to single columns, with X-axis motion and a dustproof cloth.
- ▶ With an adjustable follow-up support, the pipe can be supported on any surface, providing greater automation than traditional nylon sizing wheel devices.



### Technical Parameters

Mode	LF-6024T3
Min Diameter	Φ15mm □15mm
Max Diameter	Φ230mm □160mm
Laser Power Supply	1500w, 2000w, 3000w, 6000w
Axis Stroke	X=700mm, Y1=7000mm, Y2=6000mm, Z=300mm
Positioning Accuracy	±0.03mm
Voltage	380V 3PH 50/60HZ
Chuck Speed	75r/min
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain



# LF-AT Auto Loading Tube Cutting Machine



• Gen3



• Gen2

## Product Description

- ▶ Features a fully automated feeding system, eliminating manual maintenance and enabling one-person control of the machine.
- ▶ Utilizes bus signal transmission for faster response, higher precision, and increased operation sensitivity. Includes a follow-up support system to protect the pipe from damage.
- ▶ Provides a professional pipe typesetting system that intelligently identifies workpieces, optimizes cutting with shared edges, reduces material waste, and improves cutting speed and efficiency.



## Technical Parameters

Mode	LF-6024AT
Laser Power Supply	1500w, 2000w, 3000w, 6000w
Total Load Capacity	4t
Tube Support	Auto Following Type
Max. Feed Tube Diameter	200mm
Feeding Tube Length	6000mm
First Feeding Time	35s
Cycle Loading Time	15s
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain

# LF-AT4 Four Chuck Auto Loading and UnLoading Tube Bevel Cutting Machine



## Product Description

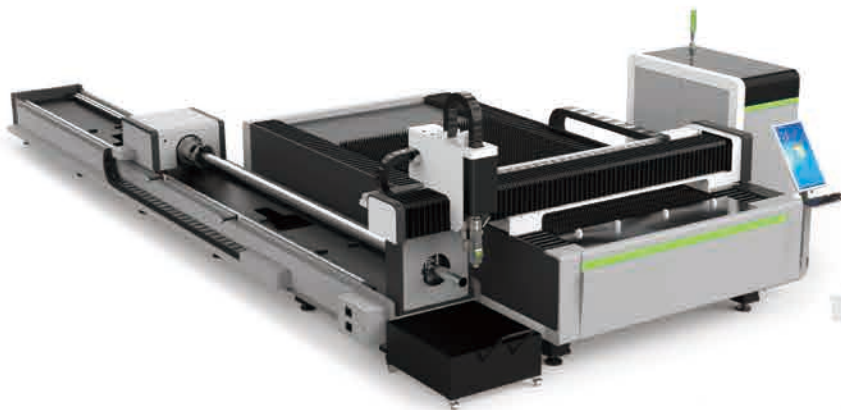
- ▶ Solves the drawback of traditional two-chuck and three-chuck pipe cutting machines, which cannot perform material sorting. The four-chuck device automatically sorts based on pipe length.
- ▶ Effectively eliminates pipe movement during cutting, significantly improving cutting precision, especially for thin and elongated pipes.
- ▶ Enables cutting during loading, saving loading time and reducing processing time, thereby enhancing processing efficiency.



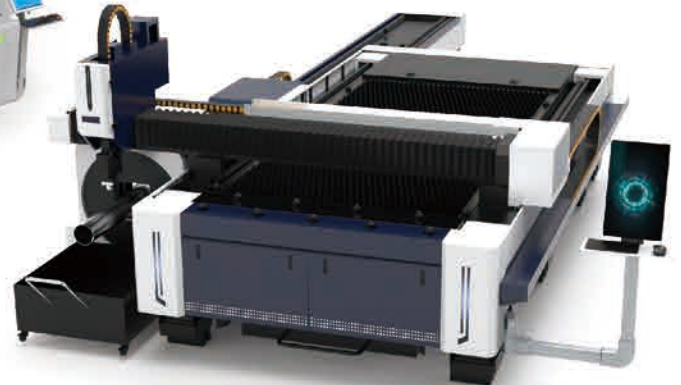
## Technical Parameters

Mode	LF-6036AT4
Working Area	Φ20mm-Φ360mm, □20mm-□250mm
Laser Power Supply	3000w-12000w
X Y Z Axis Stroke	700*7000*500mm
Positioning Accuracy	±0.03mm
Feeding Tube Length	6500mm
Voltage	380V 50HZ
Chuck Speed	75r/min
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain

# LF-ST Sheet and Tube Laser Cutting Machine



• Gen2



• Gen3

## Product Description

- ▶ This equipment offers cutting capabilities for both sheets and tubes, providing users with added functionality. It reduces purchase costs and improves equipment utilization efficiency.
- ▶ The full pneumatic chuck ensures pipe integrity without causing damage or deformation. The rack drive system offers higher precision, faster rotation speed, and a lower failure rate.
- ▶ The software installed on the industrial computer for simultaneous cutting of plates and pipes. The software includes a user-friendly drawing function.



## Technical Parameters

Mode	LF-3015ST	LF-6015ST	LF-4020ST	LF-6025ST
Working Area	3000*1500mm	6000*1500mm	4000*2000mm	6000*2500mm
X Y Z Axis Stroke	1520*3100*100mm	1520*6050*100mm	2040*4050*100mm	2510*6100*260mm
Laser Power Supply	2000w, 3000w, 6000w			
Tube Cutting Diameter	Φ20mm-Φ230mm, □20mm-□230mm			
Positioning Accuracy	±0.03mm			
Voltage	380V 50HZ			
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm, Tube Cutting Thickness will be the half of sheet			
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain			

# LF-STE Exchange Table Sheet and Tube Laser Cutting Machine



## Product Description

- ▶ The LF-STE model builds upon the LF-ST model by adding an exchange platform, saving time for loading and unloading during sheet cutting, reducing time costs, and improving processing efficiency.
- ▶ Highly integrated, with a long lifespan and energy-efficient design that significantly reduces costs. It combines sheet and tube cutting capabilities, processing various metal materials and pipe components.
- ▶ Fully intelligent CNC system with a user-friendly interface for easy operation. Low maintenance requirements and simple upkeep, making it easy to use.



## Technical Parameters

Mode	LF-3015ST	LF-6015ST	LF-4020ST	LF-6025ST
Working Area	3000*1500mm	6000*1500mm	4000*2000mm	6000*2500mm
X Y Z Axis Stroke	1520*3100*100mm	1520*6050*100mm	2040*4050*100mm	2510*6100*260mm
Laser Power Supply	2000w, 3000w, 6000w			
Maximum Acceleration	Φ20mm~Φ230mm, □20mm~□230mm			
Positioning Accuracy	±0.03mm			
Voltage	380V 50HZ			
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm, Tube Cutting Thickness will be the half of sheet			
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain			

# LF-STP Enclosed Sheet and Tube Laser Cutting Machine



## Product Description

- ▶ This equipment is capable of simultaneously processing both sheet metal and pipe components, making it widely used in the sheet metal fabrication and parts manufacturing industries.
- ▶ The front cutting area is enclosed with a protective casing and equipped with a high-performance dust removal system, ensuring high safety, environmental friendliness, and protection against radiation.
- ▶ Equipped with two monitoring cameras, displaying the cutting head view and the progress of material loading and unloading on the rear bed. It can be connected to the factory's internal monitoring system, enhancing safety.



## Technical Parameters

Mode	LF-3015STP	LF-6015STP	LF-4020STP	LF-6025STP
Working Area	3000*1500mm	6000*1500mm	4000*2000mm	6000*2500mm
X Y Z Axis Stroke	1520*3100*260mm	1520*6050*260mm	2040*4050*260mm	2510*6100*260mm
Laser Power Supply	2000w, 3000w, 6000w			
Acceleration	1G			
Positioning Accuracy	±0.03mm			
Voltage	380V 50HZ			
Cutting Ability	Carbon Steel: 1-80mm, Stainless Steel: 1-70mm, Aluminum: 1-60mm, Brass: 1-20mm, Tube Cutting Thickness will be the half of sheet			
Upgrade	Air Conditioner, Smoke Purifier, Air Compressor, Voltage Regulator, Safety Light Curtain			

## LP-Press Brake Metal Bending Machine



### Product Description

- ▶ Welding is performed using equipment and robots, followed by stress relief through vibration. The rack undergoes precision machining in a CNC 5-axis center, protecting its sensitivity over time.
- ▶ The mold ensures high processing accuracy for precise bending of plates and pipes, suitable for industries requiring dimensional precision.
- ▶ The hydraulic valves offer low noise, energy efficiency, and easy maintenance. They enhance efficiency and productivity in bending machines.



### Technical Parameters

Upper Mold Segment Length	1600mm	2500mm	3200mm	4000mm
Upper Mold Segment Details	800+800	500/500/800/800	800x3/800	800x4/800
Punch Height	105-150			
Work Table Height	220-380			
Max. Opening Height	260-380			
X axis Travel	380-530			
Cylinder Travel	80-130			
Adapter Height	100			
Clamping Die Size	13*30			

## LW-4W 4 in 1 Laser Welding Cutting Cleaning Machine



### MULTIFUNCTIONAL

### 4-IN-1



• Gen3

### Product Description

- ▶ This device offers 4 functions: welding, cutting, cleaning, and weld dot clean. Leapion provides customers with versatile solutions, saving costs and enabling more processing possibilities.
- ▶ The ultra-light laser head features double protective lenses, addressing the vulnerability of traditional handheld welding machines' focusing lens. It saves customers post-maintenance costs.
- ▶ With an intelligent temperature monitoring system, it automatically detects lens temperature. If it exceeds the set temperature, an alarm is triggered, and the device stops working.

### Technical Parameters

Laser Power Supply	1000w, 1500w, 2000w, 3000w
Power Adjustment Range	10%–100%
Output Central Wavelength	1070±20nm
Cooling Method	Water cooling
Welding Width	0–5mm
Cleaning Width	Max. 80mm
Wire Diameter	0.8/1.0/1.2/1.6mm
Max. Wire Feeding Speed	100mm/s
Upgrade	Smoke Purifier

## LW-R Robot Laser Welding Machine



### LW-CR Collaborative Robot



#### Product Description

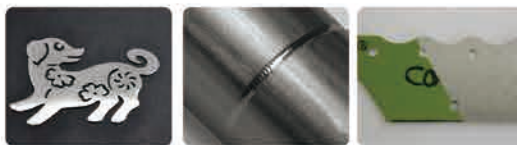
- ▶ Using collaborative robots, it is lightweight, inexpensive, fully functional, and easy to program. It solves the disadvantage that the traditional mechanical arm is difficult to get started.



#### Technical Parameters

Working Radius	1350mm
Rotating Motors	6
Mounting Surface Diameter	200mm
Repositioning Accuracy	0.03mm
Control Panel	Touch Screen Pad

### LW-IR Industrial Robot



#### Product Description

- ▶ Industrial robots have a larger load capacity and longer arm span. With the characteristics of contactless welding, it realizes the advantages of low hot zone influence, stable welding quality and fast efficiency.



#### Technical Parameters

Working Radius	1500mm
Rotating Motors	6
Load	6-8kg
Repositioning Accuracy	0.03mm
Permissible Torque	20N.M



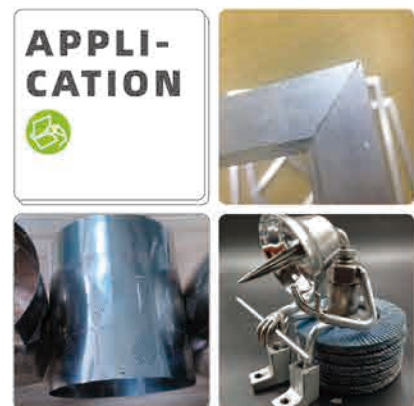
## LW-D Desktop 6 Axis Laser Welding Machine



• Gen3

### Product Description

- ▶ Non-contact welding method eliminates contamination, wear, and deformation caused by direct contact with the workpiece surface.
- ▶ High-precision energy control and positioning capabilities enable precise welding process control. Flexible welding path planning accommodates various module welding requirements in terms of shape, size, and layout.
- ▶ High speed and efficiency enable rapid welding processes, enhancing production efficiency.



### Technical Parameters

Laser Power Supply	1000w, 1500w, 2000w, 3000w
Power Adjustment Range	10%–100%
Output Central Wavelength	1070±20nm
Cooling Method	Water cooling
X Y Z Axis Stroke	X=700mm, Y=400mm, Z=300mm
Other Axis	U Axis=90°, C Axis=90°, Rotary Axis=360°
Welding Ability	0.5–8mm Steel
Voltage	380V 50HZ
Upgrade	Smoke Purifier

## Laser Cleaning Machine



### LC-D Desktop Laser Cleaning Machine

#### Product Description

- ▶ The robust metal casing, along with a powerful water cooling system, ensures uninterrupted 24-hour operation of the equipment.

#### Technical Parameters

Laser Type	Continuous Laser	Pulsed Laser
Laser Power Supply	1000w, 1500w, 2000w, 3000w	100w, 120w, 200w, 300w, 500w
Advantage	High Power, Fast Cleaning Speed	Work on kinds of materials



### LC-S Suitcase Laser Cleaning Machine

#### Product Description

- ▶ Designed in a suitcase-style casing, it is portable and suitable for on-site customer service. Equipped with an integrated touch panel, use finger to quick adjust the parameters.

#### Technical Parameters

Laser Type	Pulsed Laser
Laser Power Supply	100w, 120w, 200w, 300w
Advantage	Work on kinds of materials



### LC-B Backpack Laser Cleaning Machine

#### Product Description

- ▶ Designed in a backpack-style casing, it can be used with batteries, eliminating the need for power cords and making it suitable for outdoor work.

#### Technical Parameters






Laser Type	Pulsed Laser
Laser Power Supply	50w, 100w
Advantage	Small Dimension, Low Weight



## Laser Marking Machine – Machine Case Mode

Mode	LM-D Desktop	LM-P Portable	LM-H Handheld	LM-PE Enclosed	LM-S Split	
Appearance						
Advantages	With industrial computer	Small dimension easy to move	Work on wall and big product	High safety	Smaller footprint	
Work Area	50–500mm, and bigger	50–300mm	50–200mm	50–175mm	50–300mm	
Description	Equipped with an industrial computer, which needs to be connected to a personal computer or laptop for use, the customer receives the equipment and connects it to power to start processing.	The machine body weight is less than 40KG, which is easy to move and carry, and can be used in any place with a laptop. Provide customers with more possibilities.	The marking head part can be disassembled from the main body of the equipment, and can be marked on the surface of large equipment, walls and other materials that are difficult to move by hand.	The fully enclosed machine case could protect the operator. Used in conjunction with a smoke purifier, it can be environmentally friendly and pollution-free.	The marking head and the host part can be placed separately to save more floor space, and the overall volume is small and easy to move.	
LASER TYPE SUPPLY	Fiber Laser	✓	✓	✓	✓	
	MOPA Laser	✓	✓	✓	✓	
	CO2 Laser	✓	✓	✗	✗	✓
	UV Laser	✓	✓	✗	✗	✓
	Green Laser	✓	✓	✗	✗	✓

## Laser Marking Machine – Laser Source Type

Mode	Fiber Laser	MOPA Laser	CO2 Laser	UV laser	Green Laser	
Application	Metal: steel, brass, copper, gold, silver	Mark Color on Stainless Steel, Mark White on Black Plastic	Non-metal: wood, paper, plastic, leather	Precision marking of all material surfaces	3D engraving inside the crystal	
Laser Power	20w, 30w, 50w, 60w, 70w, 80w, 100w	20w, 30w, 60w, 80w, 100w, 120w, 150w, 200w, 350w, 500w	30w, 40w, 60w, 80w, 100w	3w, 5w, 7w, 10w, 12w, 15w	3w, 5w	
Cooling Mode	Air Cooling	Air Cooling or Water Cooling	Air Cooling or Water Cooling	Water Cooling	Water Cooling	
Appearance						
MACHINE MODE SUPPLY	LM-D Desktop	✓	✓	✓	✓	✓
	LM-P Portable	✓	✓	✓	✓	✓
	LM-H Handheld	✓	✓	✗	✗	✗
	LM-PE Enclosed	✓	✓	✗	✗	✗
	LM-S Split	✓	✓	✓	✓	✓

## LR-E 3 Axis CNC Router



### Product Description

- ▶ This is a professional wood engraving machine, which can be used to cut or engrave all kinds of wood, or all kinds of hard materials, such as: solid wood, acrylic, PVC and so on.

### Technical Parameters

Work Area	6090, 1325, 1530, 2030, 2040, etc.
Work Table	T-slot PVC, Vacuum Combination
Spindle	2.2KW-7.5KW
Voltage	110V or 220V or 380V
Note	All parts can be customized.

## LR-AE ATC CNC Router



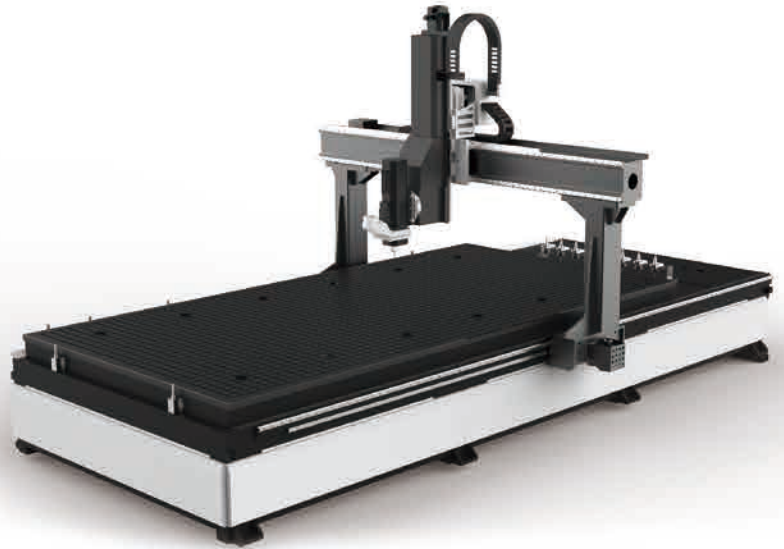
### Product Description

- ▶ Auto tool changer equipment is widely used in woodworking market. As an economical processing equipment, it can install 6, 8 or 12 different tools separately. Change each tools only cost 12s.

### Technical Parameters

Work Area	1325, 1530, 2030, 2040, etc.
Work Table	T-slot PVC, Vacuum Combination
Spindle	4.5KW-12KW
Voltage	110V or 220V or 380V
Note	All parts can be customized.

## LR-4EX 4 Axis CNC Router



### Product Description

- ▶ Support 3D tool length compensation feature, user only needs to program product in CAM program, controller will automatically implement tool length and wear, and the tool tip will always be on the perpendicular against product contour.

### Technical Parameters

Work Area	1212, 1224, etc.
Work Table	T-slot PVC, Vacuum Combination
Spindle	4 Axis
Voltage	380V 3Ph 50/60Hz
Note	All parts can be customized

## LR-5EX 5 Axis CNC Router



### Product Description

- ▶ X,Y,Z,B,C 5 axis linkage, truly realize three-dimensional machining. Maximum angle attainable  $\pm 320^\circ$ . It is suitable for metal, wood, foam, plastic and other materials processing, widely used in mold industry.

### Technical Parameters

Work Area	1212, 1224, etc.
Work Table	Moving Table
Spindle	HITECO 5 Axis Spindle
Voltage	380V 3Ph 50/60Hz
Note	All parts can be customized

## LR-AL Auto Loading CNC Furniture Production Line



### Product Description

- ▶ The cutting head of this machine can rotate 360 degrees left and right to meet multi-angle work and meet the processing needs of customers for various products.



### Technical Parameters

Work Area	1228, etc.
Work Table	Vacuum Combination Table
Spindle	HQD.9KW ATC Spindle
Voltage	380V 3Ph 50/60Hz
Note	All parts can be customized

## LR-EX ATC 5 Axis CNC Machining Center



### Product Description

- ▶ Each set of three installed fences, total two sets are located on both sides of the machine. When the equipment is working, if there are people approaching, it will stop working immediately. Provides maximum protection for the operator.



### Technical Parameters

Work Area	6000mm
Fixture	Pneumatic
Spindle	HITECO 5 Axis
Voltage	380V 3Ph 50/60Hz
Note	All parts can be customized

## LA-B Advertising Word Bending Machine



### Product Description

- ▶ The bending machine can not only process stainless steel and aluminum, but also non-metallic materials such as aluminum-plastic panels. However, non-metallic materials cannot be welded after bending, and can be fixed with glue.

### Technical Parameters

Feeding System	Auto Feeding
Gas Line	0.6m <sup>3</sup> /min
Supply Width	0-180mm
Voltage	220V 1Ph 50/60Hz
Application Materials	Stainless Steel, Aluminum

## LA-W Advertising Word Welding Machine



### Product Description

- ▶ The welding machine can not only weld on the desktop, but also use the welding head to process large finished products. The welding control wire is 5m long, and longer lengths can also be customized.

### Technical Parameters

Laser Power	350w, 500w, 550w
Laser Wavelength	1064nm
Pulse Width	0.1-20ms
Cooling Mode	Water Cooling
Welding Method	Table Welding and Handheld Welding Head

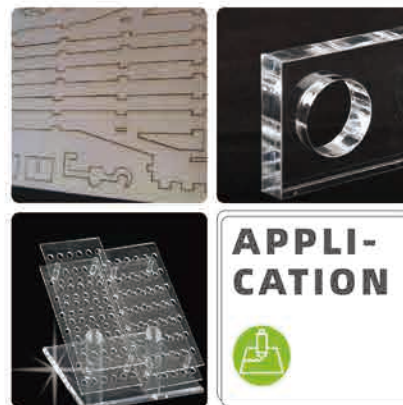


# LC-CO2 LASER CUTTING&ENGRAVING MACHINE



## Product Description

- ▶ Compact desktop design saves space. Laser machine offers engraving and cutting functions, equipped with fan chiller, lifting table, and more.
- ▶ High rigidity material ensures straightness. Zero clearance between slide block and guide rail enables smooth, quiet, high-speed movement with rapid acceleration and deceleration response.
- ▶ Laser tube supplier is carefully selected to ensure stable output and long service life. Give 300-540 days warranty, depend on the laser tube mode.



## Technical Parameters

Mode	LC-5030	LC-1390	LC-1610	LC-1325
Working Area	500*300mm	1300*900mm	1600*1000mm	1300*2500mm
Type	Closed	Closed	Closed	Open
Laser Power Supply	40-500w			
Power Adjustment Range	10%-100%			
Output Central Wavelength	1064nm			
Cooling Method	Water Cooling			
Locate Accuracy	±0.1mm			
Upgrade	Auto-Focus Laser Head, Up-down WorkTable			



Leapion

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