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深圳市大鹏激光科技有限公司

SHENZHEN DAPENG LASER TECHNOLOGY CO., LTD.

专业激光设备生产企业

Professional laser equipment manufacturer

### DEWELOPMENT HISTORY

### COMPANY PROFILE

Established in 2011, Shenzhen Dapeng Laser Technology Co., Ltd. is a national high-tech enterprise specializing in the research and development, manufacturing, sales, service, and consulting of laser equipment. We are dedicated to laser process research and development, laser equipment design, production, technical support, service, and consulting.

Our main products include laser cutting machines, laser welding machines, laser marking machines, industry-specific, and automated laser equipment. These products are applied in various industries such as electronics, IC chips, electrical appliances, lighting fixtures, jewelry, hardware tools, sanitary ware, instruments, automotive parts, mobile phone components, molds, precision machinery, medical devices, IT digital products, metal casings, military and aviation components, clothing and leather goods, crafts and gifts, advertising decorations, models, kitchenware, and utensils.

Dapeng Laser is known for its stable and reliable product quality. We have a professional research and development team. In addition to pursuing excellent quality, we also provide timely and satisfactory pre-sales, sales, and after-sales services, as well as cost-effective products. By implementing the business philosophy of "helping customers succeed, creating exemplary value, and building a high-end brand in the industrial laser equipment industry," we have gained the trust and praise of a wide range of users. Our customers are distributed throughout the country and overseas, and our total equipment sales volume far exceeds our competitors.

We have established a comprehensive production, sales, and after-sales service system. We have production bases in Shenzhen, Wenzhou, and Jiangsu. We have large-scale laser cutting machine production bases in Dongguan and Jiangsu. We also have over 20 offices in major industrial cities and regions in China. Each office is equipped with equipment display, process sampling, sales, and after-sales service facilities, with resident technical service personnel, to provide customers with timely, satisfactory pre-sales, sales, and after-sales support and service.

At Dapeng Laser, we deeply understand that quality and service are the foundation of our company's survival, and innovation is the basis for long-term development. We strive to help customers create value and endeavor to build a well-known brand in the laser equipment industry.

### 2011

#### Shenzhen Dapeng Laser Technology Co., Ltd

was established. It was at the forefront of laser marking applications and introduced a series of laser marking machines. The company is a national high-tech enterprise that integrates research and development, manufacturing, sales, and services for laser equipment. Its focus lies in the development of laser processes, design and development of laser equipment, production, technical support services, and consulting.

### 2013

### Wenzhou Dapeng Laser Technology Co., Ltd

was established as a whollyowned subsidiary. The company
expanded its offline channels,
with a total of fifteen branches
nationwide. Dapeng Laser is
known for its reliable and stable
product quality, supported by a
professional research and
development team. In addition to
pursuing excellent quality,
Dapeng Laser provides timely
and satisfactory pre-sales, insales, and after-sales services,
along with cost-effective

### 2017

### Dongguan Dapeng Laser Technology Co., Ltd

was established. The cutting equipment production base in Dongguan was successfully built and put into operation, covering an area of over 20 acres. The company experienced continuous growth in order volume, with sales exceeding 300 million yuan.

### 2019

### Suzhou Dapeng Laser Technology Co., Ltd

was established. In addition to its headquarters in Shenzhen,
Dapeng Laser has established wholly-owned subsidiaries or branches in 22 major cities in China, bringing laser technology into various industries. A production base was also established in Suzhou. With explosive growth in domestic sales over the past three years,
Dapeng Laser has built a nationwide sales network to provide fast and convenient services to industry customers.

### 2020

was established. A contract

municipal government of

acquire a 70-acre land for

the construction of a new

research and development

company continues to help

customers succeed, create

high-end brand in the

industrial laser

exemplary value, and build a

base in Nantong. The

Nantong, Jiangsu Province, to

### Nantong Industrial

#### Jiangsu Dapeng \ Park put into operation Laser Technology Co., Ltd

2023

Dapeng Laser Nantong Industrial Park is located in the precinct of Gangzha Economic Development Zone and will become a domestic R&D and manufacturing headquarters base. After the project is put into operation, it will form an annual output of more than 20,000 sets of intelligent laser equipment, and the annual sales are expected to reach 2 billion yuan.

### COMPANY LICENSES



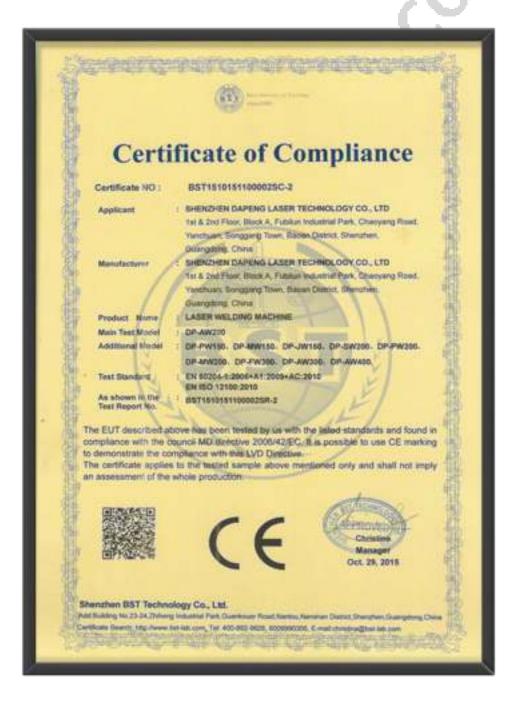


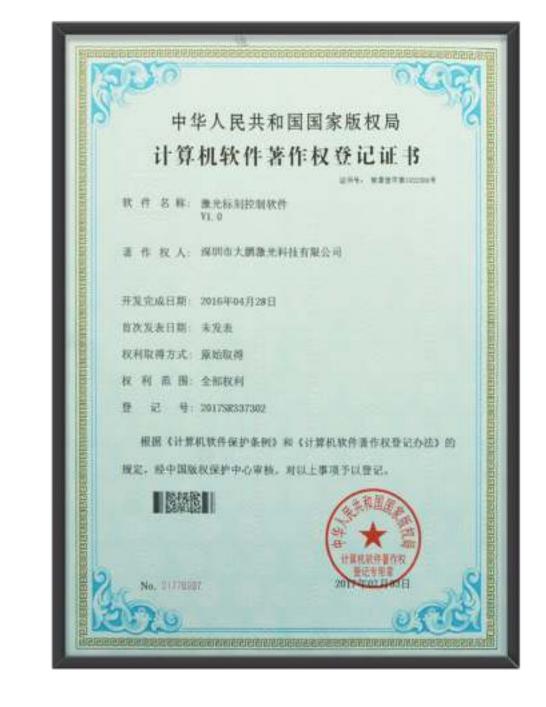










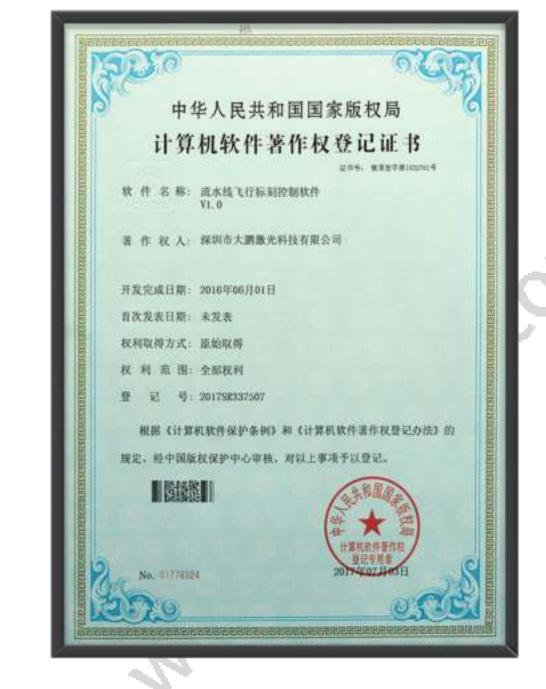


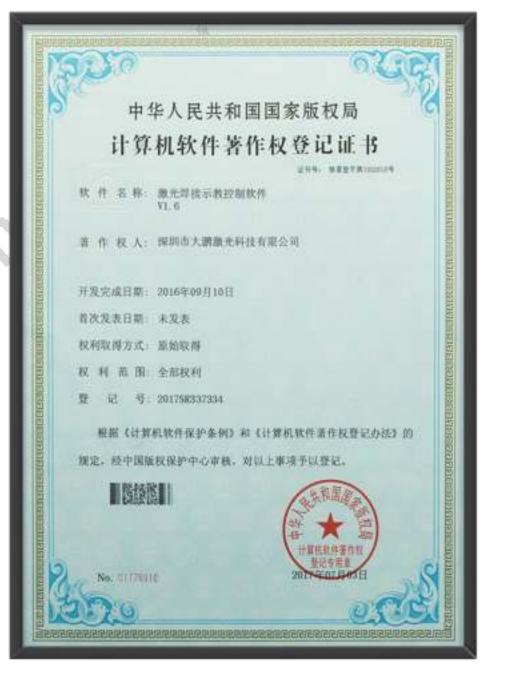












### CATALOG

S Series - Fiber Laser Cutting Machine	01/04
A Series - Fiber Laser Cutting Machine	05/06
C Series - Fiber Laser Cutting Machine	07/08
J Series - Coil-fed Fiber Laser Cutting Machine	09/10
F Series - Fiber Laser Cutting Machine (Foreign Trade Version)	11/12
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Laser tube cutting and loading machine	17/18
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Three-Jaw Chuck Fiber Laser Tube Cutting Machine Series	21/22
Fiber laser automatic tube cutting machine	23/24
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## S Series-Fiber Laser Cutting Machine

- High-rigidity machine bed with exclusive high-temperature CNC electric furnace standard annealing process to ensure long-term stability and accuracy of the machine
- Imported packaged fiber laser source with excellent beam quality, stable performance, no reflective mirrors, no need for optical path adjustment, virtually maintenance-free, with a service life of over 100,000 hours
- High electro-optical conversion efficiency of the fiber laser source, reaching up to 30% conversion efficiency, significantly saving power consumption during operation and achieving extremely low operating costs
- Fast cutting speed and extremely low operating costs, providing a quick return on investment

It can cut a variety of metal sheets, tubes (additional tube cutting device required), and is mainly suitable for rapid cutting of materials such as stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass sheet, aluminum sheet, manganese steel, various alloy sheets, rare metals, and more







Fiber laser cutting machine with large envelope automatic exchange table



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## Performance Parameters of S Series Fiber Laser Cutting Machine

#### SL Series

Model	Cutting Range	Laser Output Power	Maximum Acceleration	Minimum Kerf Width	XY Positioning Accuracy	Maximum Positioning Speed
DPE-SL3015	3000×1500mm	6000W,12000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL3015D	3000×1500mm	6000W,12000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL4020	4000×2000mm	6000W,12000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL4020F	4000×2000mm	6000W,12000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL4020D	4000×2000mm	6000W,12000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL6020	6000×2000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL6020F	6000×2000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL6020D	6000×2000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL6025	6000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL6025F	6000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL6025D	6000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL8025	8000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL8025D	8000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL10025	10000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL10025D	10000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL12025	12000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL12025D	12000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL12030	12000×3000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL13025	13000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min
DPE-SL14030	14000×3000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	110m/min

#### **SH Series**

DPE-SH14030

14000×3000mm

6000W,12000W,20000W,30000W

<b>Э</b> П	on Series							
	Model	Cutting Range	Laser Output Power	Maximum Acceleration	Minimum Kerf Width	XY Positioning Accuracy	Maximum Positioning Speed	
	DPE-SH3015	3000×1500mm	6000W,12000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH3015F	3000×1500mm	6000W,12000W	1.5G	0.15mm	±0.03mm	130m/min	
4	DPE-SH3015D	3000×1500mm	6000W,12000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH4020	4000×2000mm	6000W,12000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH4020F	4000×2000mm	6000W,12000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH4020D	4000×2000mm	6000W,12000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH6020	6000×2000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH6020F	6000×2000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH6020D	6000×2000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH6025	6000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH6025F	6000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH6025D	6000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH8025	8000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH8025D	8000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH10025	10000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH10025D	10000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH12025	12000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH12025D	12000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH12030	12000×3000mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	
	DPE-SH13025	13000×2500mm	6000W,12000W,20000W,30000W	1.5G	0.15mm	±0.03mm	130m/min	

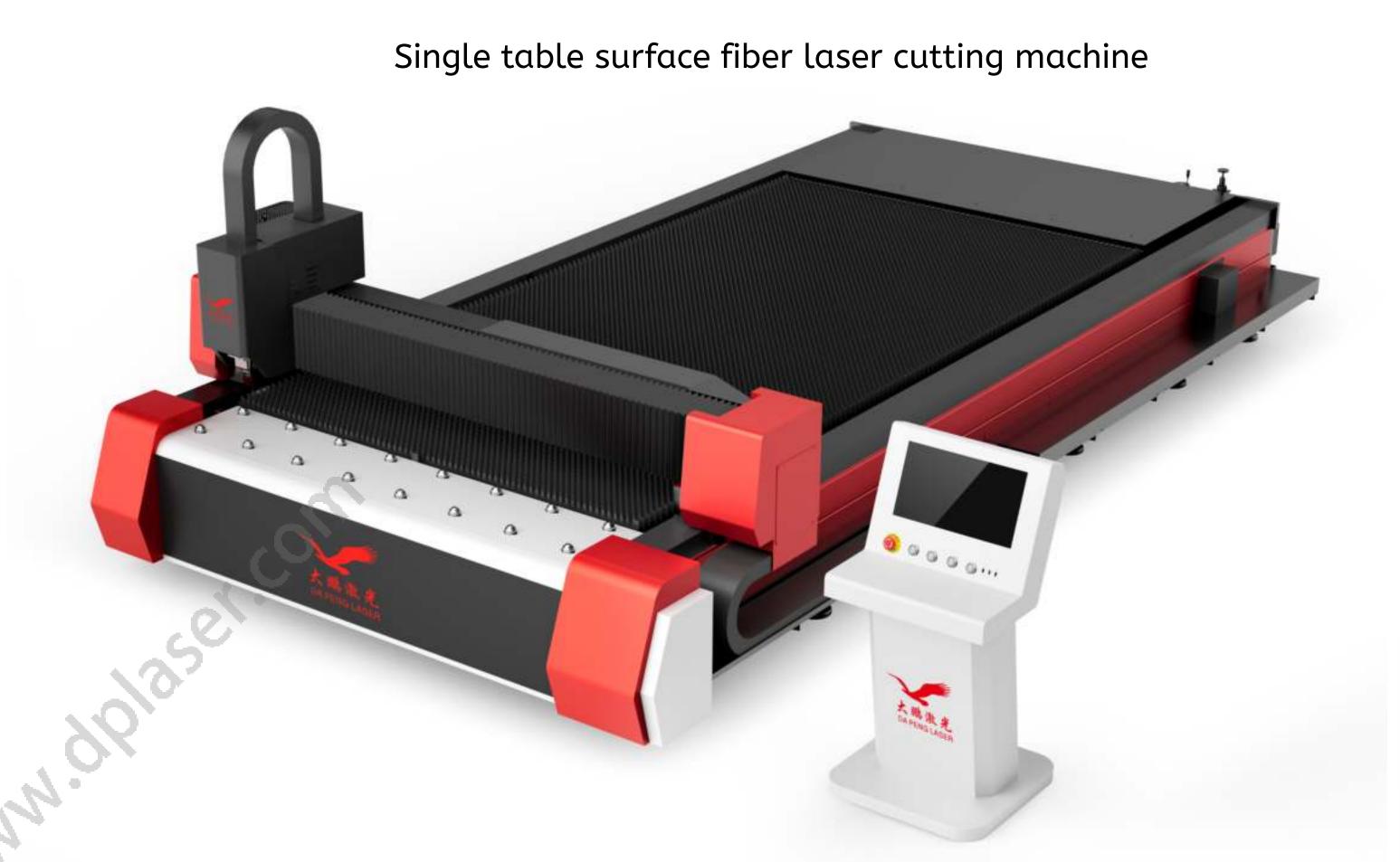
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## A Series - Fiber Laser Cutting Machine

- High rigidity machine bed with exclusive high-temperature CNC electric furnace standard annealing process, ensuring long-term stability of machine accuracy
- Imported original packaged fiber laser, excellent beam quality, stable performance, no reflective mirrors, no need for optical path adjustment, virtually maintenance-free, with a service life of over 100,000 hours
- High electro-optical conversion efficiency of the fiber laser, achieving a conversion efficiency of 30%,
- significantly reducing power consumption during operation, and extremely low operating costs
- Fast cutting speed, extremely low operating costs, providing a quick return on investment

Suitable for cutting various metal sheets, pipes (additional pipe cutting device required), primarily used for rapid cutting of materials such as stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum sheet, manganese steel, various alloy sheets, and rare metals





型号	切割范围	激光输出功率	最大加速度	最小切缝宽度	XY定位精度	最大定位速度	外观尺寸(mm)	床身重量(KG)	总重量(KG)
DPE-A3015	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	4831*2225*948	1605	2770
DPE-A3015F	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	8324*2597*2008	1960	4500
DPE-A3015D	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	8217*2757*2319	1960	5600
DPE-A4020	4000×2000mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	6015*3237*1948	2400	4094
DPE-A4020F	4000×2000mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	10313*3122*1948	2600	5600
DPE-A4020D	4000×2000mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	10252*3265*2195	2600	6800
DPE-A6020	6000×2000mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	7966*2993*1948	3090	5000
DPE-A6020F	6000×2000mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	14708*3282*2185	3738	7900
DPE-A6020D	6000×2000mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	14667*3265*2369	3738	9000
DPE-A6025	6000×2500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	7978*3554*1948	3558	5200
DPE-A6025F	6000×2500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	14667*3682*2185	4500	7500
DPE-A6025D	6000×2500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min	14614*3825*2195	8940	16600
DPE-A6015	6000×1500mm	1500W,2000W	1.2G	0.15mm	±0.03mm	110m/min	7915*2766*1930	2000	3500

Large envelope automatic exchange table fiber laser cutting machine



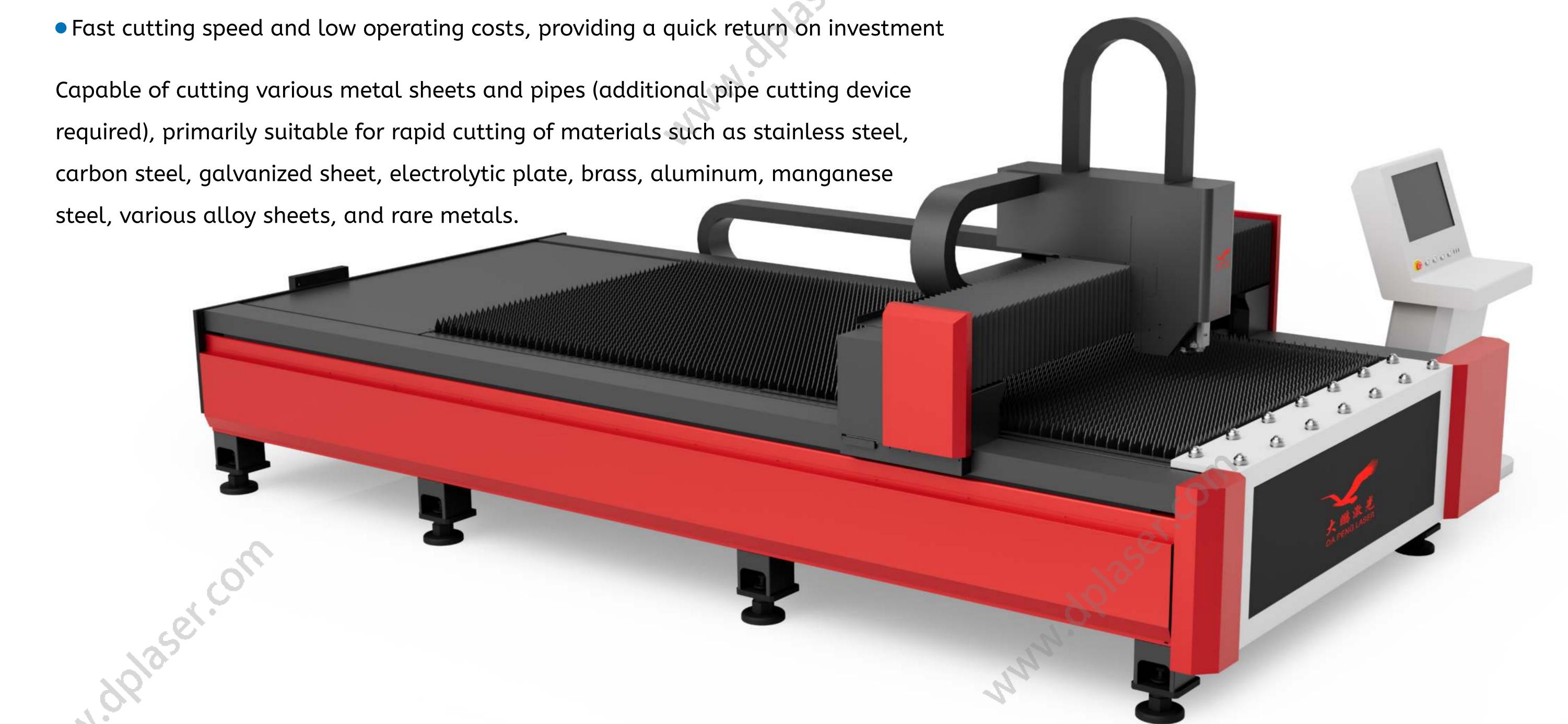
Door and window fiber laser cutting machine





## C Series - Fiber Laser Cutting Machine

- High rigidity machine bed, exclusively treated with high-temperature CNC electric furnace annealing process, ensuring long-term stability of machine accuracy
- Imported original packaged fiber laser, with good beam quality and stable performance, no reflective mirrors, no need for optical adjustment, virtually maintenance-free, with a service life of over 100,000 hours
- High electro-optical conversion efficiency of the fiber laser, reaching an efficiency of 30%,
- which significantly saves power consumption during operation and results in extremely low operating costs



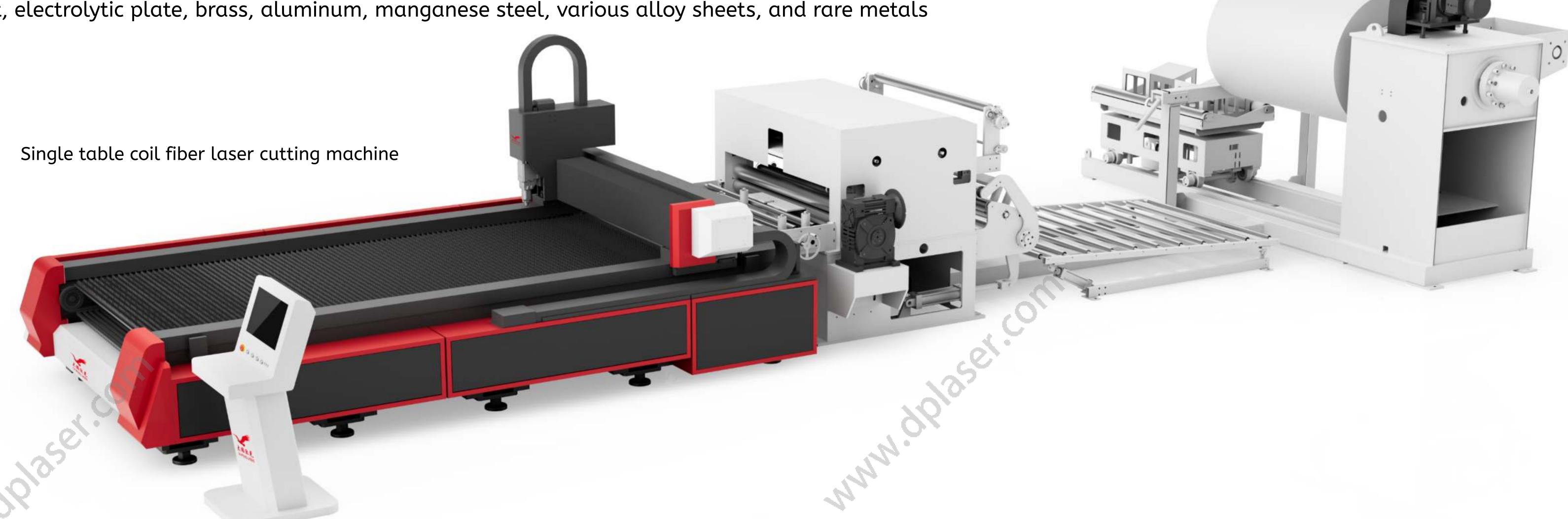
Model	Cutting Range	Laser Output Power	Maximum Acceleration	Minimum Kerf Width	XY Positioning Accuracy		Overall Dimensions (mm)	Machine Bed Weight (KG)	Total Weight (KC
DPF-C3015	3000×1500mm	1000W1500W 2000W 3000W	16	0.15mm	+0 03mm	110m/min	<u> </u>	1190	2100



## J Series-Reel Fiber Laser Cutting Machine

- High rigidity machine bed, exclusively treated with high-temperature CNC electric furnace annealing process, ensuring long-term stability of machine accuracy
- Imported original packaged fiber laser, with good beam quality and stable performance, no reflective mirrors, no need for optical adjustment, virtually maintenance-free, with a service life of over 100,000 hours
- High electro-optical conversion efficiency of the fiber laser, reaching an efficiency of 30%, which significantly saves power consumption during operation and results in extremely low operating costs
- Fast cutting speed and low operating costs, providing a quick return on investment

Capable of cutting various metal sheets and pipes (additional pipe cutting device required), primarily suitable for rapid cutting of materials such as stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum, manganese steel, various alloy sheets, and rare metals



Model	Cutting Range	Laser Output Power	Maximum Acceleration	Minimum Kerf Width	XY Positioning Accuracy		Overall Dimensions (mm)	Machine Bed Weight (KG)	Total Weight (KG)
DPE-JL3016	3000×1600mm	1500W.2000W.3000W	1.2G	0.15mm	±0.03mm	110m/min	4606*2540*2030	2095	3700

Large Surrounding Coil Fiber Laser Cutting Machine Optional loading dolly



## F Series - Fiber Laser Cutting Machine

- High rigidity machine bed, exclusively treated with high-temperature CNC electric furnace annealing process, ensuring long-term stability of machine accuracy
- Imported original packaged fiber laser, with good beam quality and stable performance, no reflective mirrors, no need for optical adjustment, virtually maintenance-free, with a service life of over 100,000 hours
- High electro-optical conversion efficiency of the fiber laser, reaching an efficiency of 30%,
- which significantly saves power consumption during operation and results in extremely low operating costs
- Fast cutting speed and low operating costs, providing a quick return on investment

Capable of cutting various metal sheets and pipes (additional pipe cutting device required), primarily suitable for rapid cutting of materials such as stainless steel, carbon steel, galvanized sheet, electrolytic plate, brass, aluminum, manganese steel, various alloy sheets, and rare metals.





#### Foreign Trade Standard FL Series

Model	Cutting Range	Laser Output Power	Maximum Acceleration	Minimum Kerf Width	XY Positioning Accuracy	Maximum Positioning Speed
DPE-FL3015	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min
DPE-FL3015F	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min
DPE-FL3015D	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min

#### Foreign Trade Premium Edition FT Series

Model	Cutting Range	Laser Output Power	Maximum Acceleration	Minimum Kerf Width	XY Positioning Accuracy	Maximum Positioning Speed
DPE-FT3015	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min
DPE-FT3015F	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min
DPE-FT3015D	3000×1500mm	1500W,2000W,3000W,6000W	1.2G	0.15mm	±0.03mm	110m/min

Large envelope automatic exchange table fiber laser cutting machine





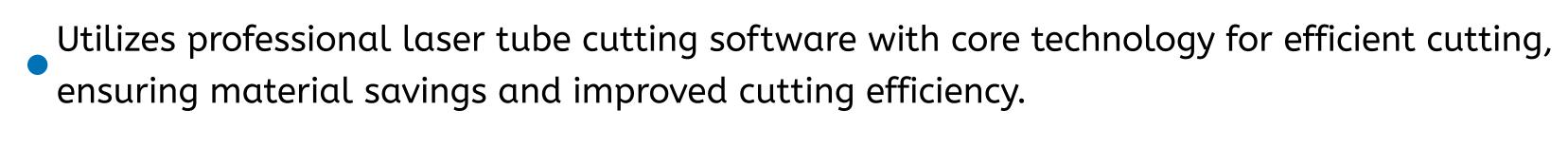
## E Series-Fiber Laser Tube Cutting Machine

The laser tube cutting machine is capable of high-speed cutting of rectangular tubes, square tubes, oval tubes, round tubes, and profiles such as angle steel and channel steel. It features high speed, high precision, and cost-effectiveness.

Horizontal structure for stable operation and high precision

Easy maintenance and minimal maintenance requirements

- Intelligent cutting software for smart cutting capabilities
- Imported servo motors for improved cutting speed
- Equipped with automatic material unloading and scrap collection system for large-scale production
- Highly integrated machine with excellent system performance and long service life, with automatic lubrication
- High level of automation, strong anti-interference capability, and fast dynamic response speed
- Centralized operation for flexible processing, automatic material unloading, and convenient pneumatic chuck clamping





Model	Pipe Length	Chuck Size	Laser Output Power	Minimum Kerf Width	XY Positioning Accuracy	Maximum Rotation Speed
DP-E6012R	Tube Diameter: 10-120x6500mm  Square Tube: 10-120x6500mm  Load Capacity20KG/m, Full Travel Chuck	120mm	1000W,1500W,2000W,3000W	0.15mm	±0.03mm	130m/min
DP-E6012KJ	Tube Diameter: 10-120x6500mm  Square Tube: 10-105x6500mm  Load Capacity20KG/m, Full Travel Chuck	120mm	1000W,1500W,2000W,3000W	0.15mm	±0.03mm	130m/min
DP-E6016R	Tube Diameter: 10-160x6500mm  Square Tube: 10-160x6500mm  Load Capacity20KG/m, Full Travel Chuck	160mm	1000W,1500W,2000W,3000W	0.15mm	±0.03mm	110m/min
DPE-E6022R	Tube Diameter: 10-220x6500mm  Square Tube: 10-220x6500mm  Load Capacity25KG/m, Full Travel Chuck	220mm	1000W,1500W,2000W,3000W	0.15mm	±0.03mm	110m/min
DPE-E6022KJ	Tube Diameter: 10-220x6500mm  Square Tube: 10-150x6500mm  Load Capacity25KG/m, Full Travel Chuck	220mm	1000W,1500W,2000W,3000W	0.15mm	±0.03mm	110m/min
DPE-E6023KF	Tube Diameter: 10-230x6500mm  Square Tube: 10-230x6500mm  Load Capacity25KG/m, Full Travel Chuck	230mm	1000W,1500W,2000W,3000W	0.15mm	±0.03mm	110m/min
DPE-E6035K	Tube Diameter: 25-350x6500mm  Square Tube: 25-350x6500mm  Load Capacity60KG/m, Two-stroke chucks	350mm	1500W,2000W,3000W,6000W	0.15mm	±0.03mm	90m/min

To cut H-beams and channel steel, it is necessary to use professional nesting software and a 3D bevel cutting head.





## T Series-Professional Fiber Laser Tube Cutting Machine

The fiber laser tube cutter is capable of high-speed cutting of rectangular tubes, square tubes, elliptical tubes, round tubes, and profiles such as angle steel and channel steel. It offers features such as high speed, high precision, and cost-effectiveness.

- Horizontal structure for stable operation and high precision
- Intelligent tube cutting software for intelligent cutting capabilities
- Imported servo motor to increase the cutting speed of the entire machine
- Equipped with automatic loading and unloading systems for large-scale production
- Highly integrated machine with excellent system performance and long service life, featuring automatic lubrication.
- Highly automated with strong anti-interference capability and fast dynamic response speed
- Centralized operation for flexible processing, automatic loading and unloading, and convenient and quick pneumatic chuck clamping
- Easy maintenance and minimal upkeep required
- Utilizes dedicated tube cutting software with core technology for efficient cutting, which is a fundamental guarantee for material savings and enhanced cutting efficiency

### Cutting samples















Model	Tube Length	Chuck Size	Laser Output Power	Minimum Kerf Width	XY Positioning Accuracy	Maximum Rotation Speed
DPE-T6035	Tube Diameter: 20-350x6500mm  Square Tube: 20-240x6500mm  Load Capacity60KG/m, Double-Stroke Chuck	350mm	1500W,2000W,3000W,6000W	0.15mm	±0.03mm	130m/min
DPE-T6040	Tube Diameter: 20-400x6500mm  Square Tube: 20-280x6500mm  Load Capacity100KG/m, Double-Stroke Chuck	400mm	1500W,2000W,3000W,6000W	0.15mm	±0.03mm	130m/min
DPE-T6052	Tube Diameter: 20-520x6500mm  Square Tube: 20-360x6500mm  Load Capacity150KG/m  Large chuck with two cycles: 200-520mm  Small chuck with one cycle: 200mm	520mm	3000W,6000W	0.15mm	±0.03mm	130m/min

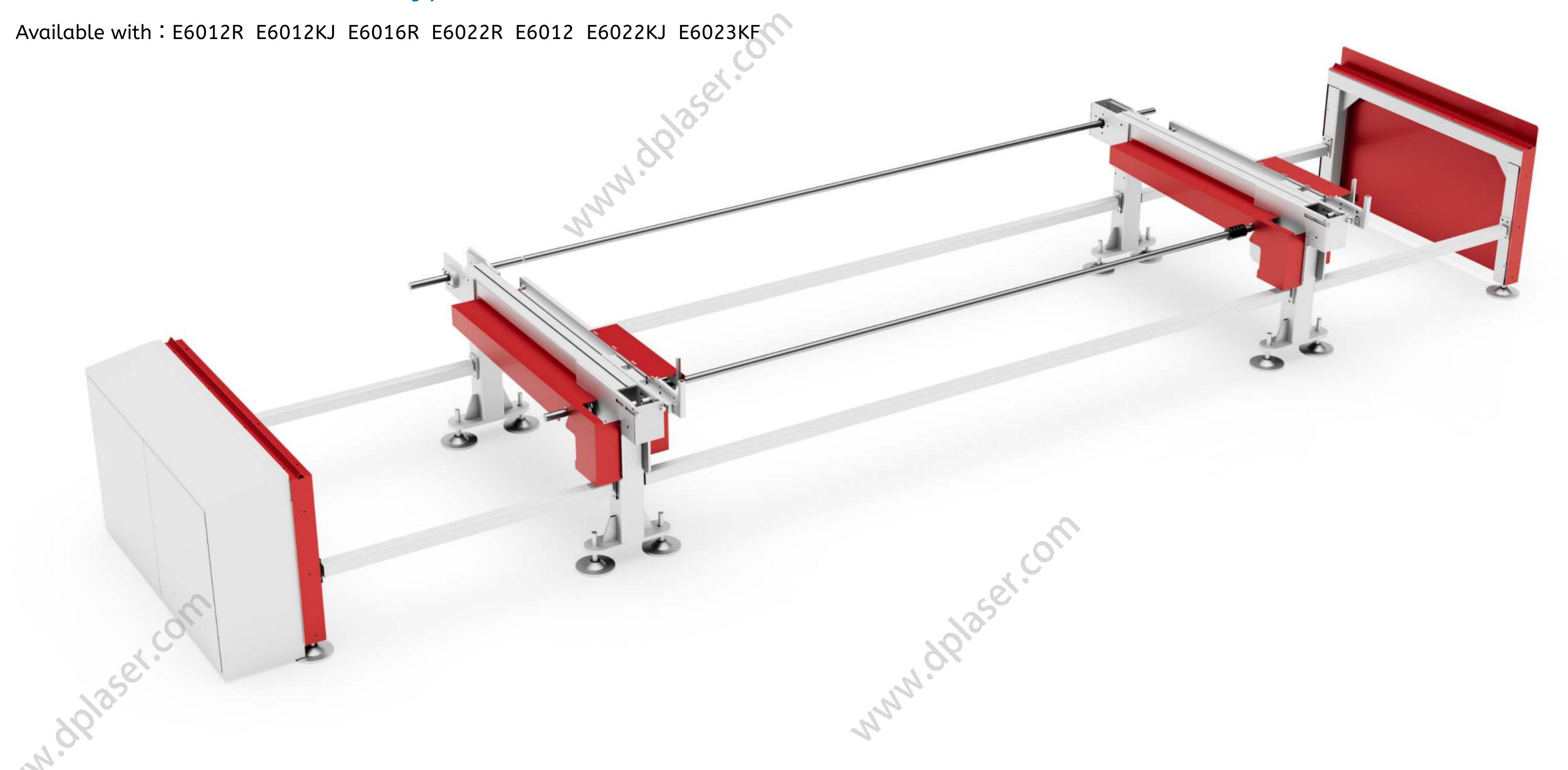
To cut H-beams and channel steel, it is necessary to use professional nesting software and a 3D bevel cutting head





## Laser tube cutting and loading machine

### Semi-automatic Standard Type



#### Fully Automatic Feeding Machine

2-grip 6m tube

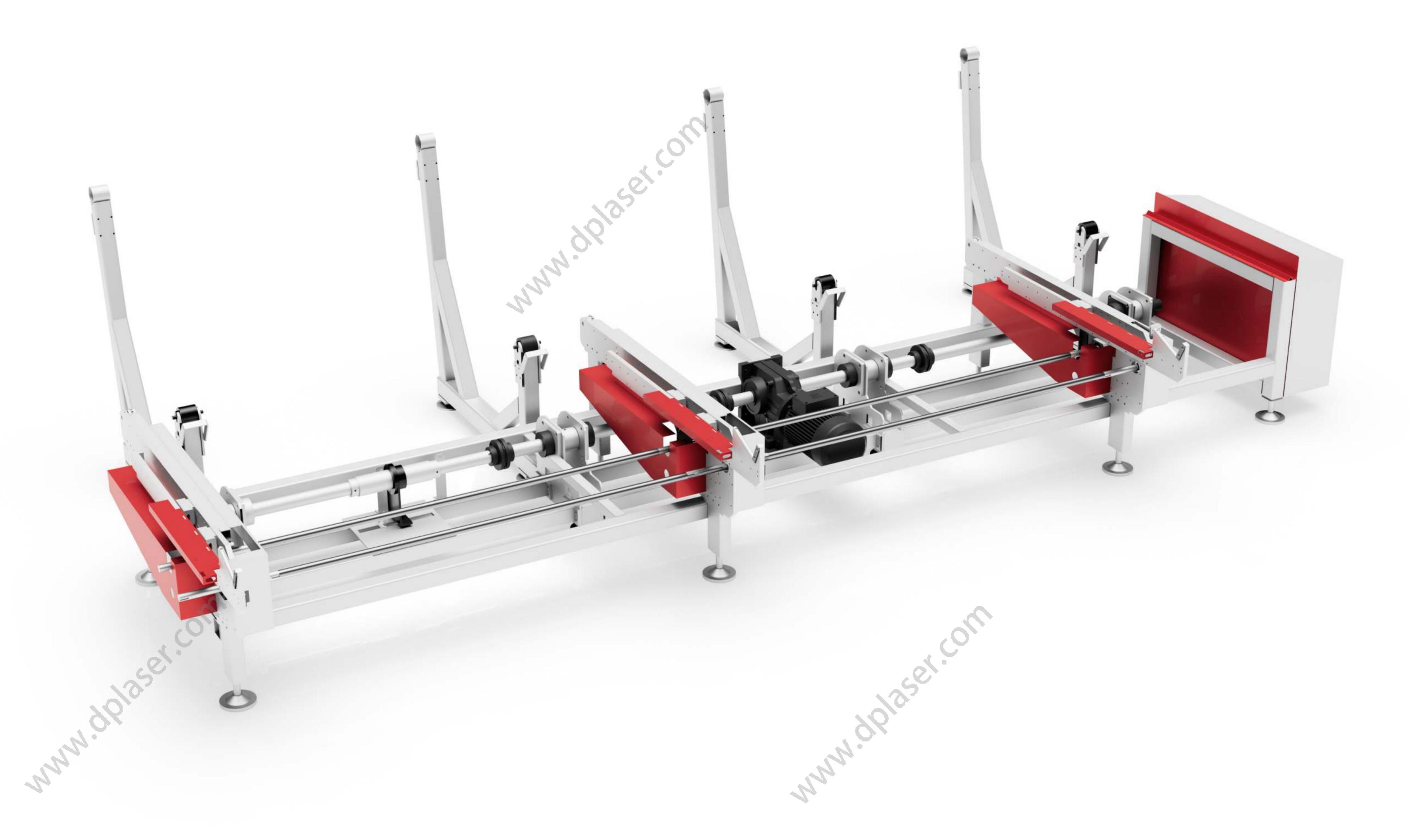
Square tube 20mm-170mm Rectangular 20mm-170mm Round tube 20mm-150mm

Max. loading weight 3 tons

Feedable single tube load up to 90KG

The load can be increased by 45KG for each additional grip

Available with: E6012R E6012KJ E6016R E6022R E6012 E6022KJ E6023KF

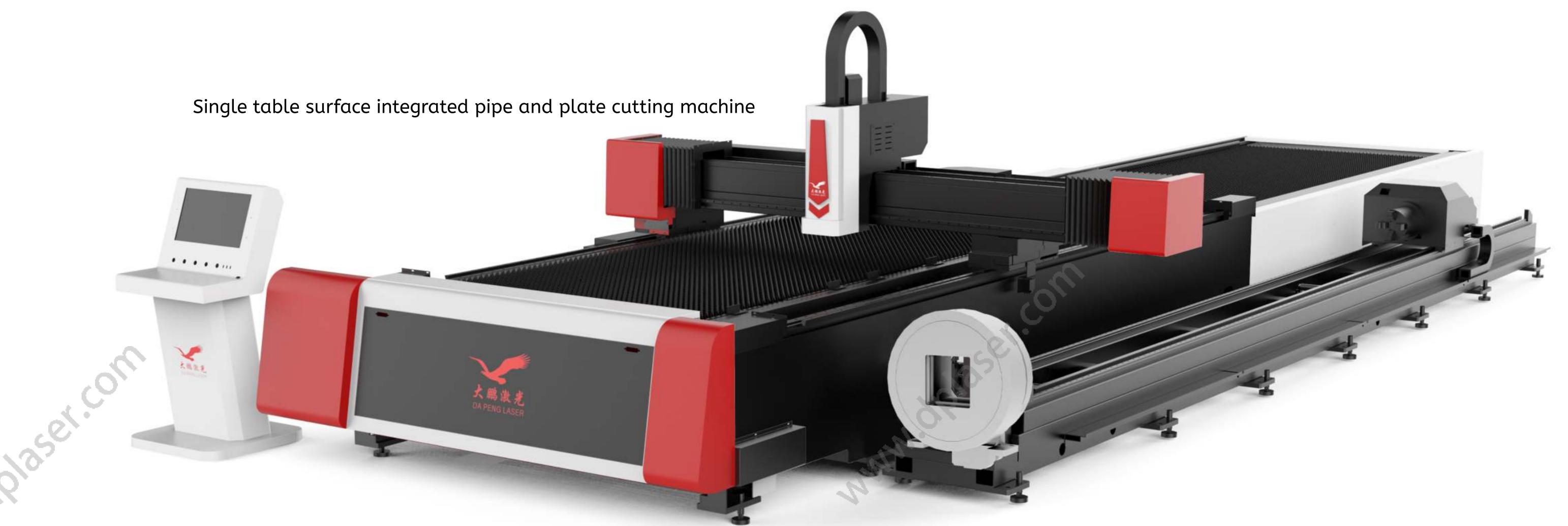




# Fiber laser tube and plate integrated cutting machine

- Highly rigid machine bed, exclusive high temperature CNC electric furnace standard annealing process annealing treatment, can guarantee the machine accuracy for a long time stable and unchanged
- Imported original package fiber laser, beam quality, stable performance, no reflective lens, no need to adjust the optical path, basically maintenance-free, service life of up to 100,000 hours
- Fiber laser electro-optical conversion efficiency, conversion efficiency of up to 30%, can significantly save power consumption at work, very low operating costs
- Fast cutting speed, very low running costs, fast return on investment

It can cut many kinds of metal plates and tubes, mainly suitable for fast cutting of stainless steel, carbon steel, galvanized plate, electrolytic plate, brass plate, aluminum plate, manganese steel, various alloy plates, rare metals and other materials.



Model	Chuck size	Cutting range
BG-Q6012	With 6m pneumatic 120 chuck	Length 6.5m,round pipe diameter 10-120mm,square pipe diameter 10-120mm,load capacity 20KG/m,full stroke chuck
BG-Q6016	With 6m pneumatic 160 chuck	Length 6.5m,round pipe diameter 10-160MM,square pipe diameter 10-160mm,load capacity 20KG/m,full stroke chuck
BG-Q6022	With 6m pneumatic 220 chuck	Length 6.5m,round pipe diameter 10-220MM,square pipe diameter 10-220mm,load capacity 20KG/m,full stroke chuck

Full stroke pneumatic chuck with light bed







## Three Chuck Fiber Laser Tube Cutting Machine

The laser pipe cutting machine can cut rectangular, square, elliptical, round and shaped pipes, and angle and channel profiles at high speed, with high precision and high cost performance.

- Horizontal structure, smooth operation, high precision
- Intelligent pipe cutting software for intelligent cutting
- Imported servo motor, improve the whole machine cutting speed
- Equipped with automatic material feeding and residual material receiving system for mass production
- The whole machine is highly integrated, with good system performance and high life, automatic lubrication
- Highly automated, strong anti-interference ability, fast dynamic response
- Centralized operation, flexible processing, automatic unloading, pneumatic chucking for easy and fast clamping
- Easy to maintain and service, basically maintenance-free
- The use of special laser cutting software, with the core technology of efficient cutting is the fundamental guarantee of effective material savings and improved cutting efficiency



Model	Processing Tube Range	Laser Output Power	Y1 Axis Travel	Y2 Axis Travel	Y3 Axis Travel	X Axis Travel	Z Axis Travel	
DPE-L6060-K22	20-220*6000mm, Load capacity: 50KG/m Round Tube Diameter: 20-220mm, Tube Diameter: 16-150mm H-beam: 160X80mm	3000W	6060mm	1500mm	6060mm	400mm	900mm	
DPE-L6060-K35	30-350*6000mm, Load capacity: 100KG/m Round Tube Diameter: 30-350mm Square Tube Diameter: 30-250mm H-beam: 280X140mm Large chuck with two cycles, small chuck with one cycle	6000W	6060mm	1500mm	6060mm	400mm	900mm	
DPE-L12060-K35	30-350*12000mm, Load capacity: 100KG/m Round Tube Diameter: 30-350mm Square Tube Diameter: 30-250mm H-beam: 280X140mm Large chuck with two cycles, small chuck with one cycle	6000W	12060mm	1500mm	12060mm	400mm	900mm	
DPE-L120120-K50	30-350*12000mm, Load capacity: 150KG/m Round Tube Diameter: 100-500mm Square Tube Diameter: 100-360mm H-beam: 360X200mm Large chuck with two cycles: 200-500mm(split into two cycles), small chuck with one cycle: 200mm	6000W	120120mm	1500mm	120120mm	400mm	900mm	





## Fiber Laser Automatic Pipe Cutting Machine

#### Automatic three-dimensional laser tube cutting machine

Model	Applicable pipe diameter for downfeed(mm)	Automatic loading length range (mm)	Laser power	Power supply rated voltage	Maximum feeding speed	Maximum speed of collet head	Lowering accuracy
DPE-D90A	Round tube: 15-89 Square Tube: 15×15-63×63	4000-6500	1000,1500W,2000W	220V	60m/min	120 rpm	0.25mm



### Round pipe automatic laser cutting machine

	Model	Diameter of processed round pipe(m	Laser power	Power supply rated voltage	Max. lowering length(mm)	Maximum feeding speed	Maximum speed of collet head	Lowering accuracy
	DPE-YGL1600-D40	10-40	1000,1500W,2000W	220V	1600mm( <b>Customizable</b> )	60m/min	120 rpm	0.25mm
12	DPE-YGL1600-D70	10-70	1000,1500W,2000W	220V	1600mm( <b>Customizable</b> )	60m/min	120 rpm	0.25mm
11.,	DPE-YGL1600-D90	10-90	1000,1500W,2000W	220V	1600mm( <b>Customizable</b> )	60m/min	120 rpm	0.25mm
	DPE-YGL1600-D120	10-120	1000,1500W,2000W	220V	1600mm( <b>Customizable</b> )	60m/min	120 rpm	0.25mm
	DPE-YGL1600-D150	10-150	1000,1500W,2000W	220V	1600mm( <b>Customizable</b> )	60m/min	120 rpm	0.25mm

#### Optional features:

- 1、Deburring function (applicable for diameters above 20mm)
- 2、Height adjustment function
- 3、Automatic length setting function (not available for D40)





## Precision Fiber Laser Cutting Machine

- Adopts gantry structure with fully enclosed
- protectionfor linear motors and guide rails to reduce dust contamination
- Utilizes dual-side drive linear motors for high precision, large acceleration, and fast speed
- Laser processing is an non-contact flexible method that is
- not affected by the shape of the workpiece, enabling the cutting of any expected shape
- Equipped with a dedicated laser control system that is
- powerful and easy to learn, suitable for technicians with low entry requirements
- Capable of cutting various metal foils, primarily used for silver and copper foils
- Mainly applied in industries such as jewelry and eyewear



Stator-dynamo precision fiber laser cutting machine

### Cutting samples















#### Stator-dynamo precision fiber laser cutting machine

Model	Cutting Range	Maximum Acceleration	Laser Output Power	Minimum Kerf Width	XY Positioning Accuracy	Maximum Operating Speed	Dimensions (mm)	Total Weight (KG
DPE-D0606	600×600mm	1.2G	1000W,1500W,2000W,3000W	0.15mm	±0.002mm	80m/min	1430*1800*1800	1400
. 0.7			QCW150-1500W,QCW300-3000W,QCW450-4500W		. 0.7			

#### Straight line precision fiber laser cutting machine

Model	Cutting Range	Maximum Acceleration	Laser Output Power	Minimum Kerf Width	XY Positioning Accuracy	Maximum Operating Speed	Dimensions (mm)	Total Weight (KG)
DPE-0606L	600×600mm	1.2G	1000W,1500W,2000W,3000W	0.15mm	±0.003mm	80m/min	1820*1450*1780	2000
			QCW150-1500W,QCW300-3000W,QCW450-4500W					

#### Wire Rod Precision Fiber Laser Cutting Machine

Model	Cutting Range	Maximum Acceleration	Laser Output Power	Minimum Kerf Width	XY Positioning Accuracy	Maximum Operating Speed	Dimensions (mm)	Total Weight (KG)
DPE-0606	600×600mm	0.8G	1000W,1500W,2000W,3000W	0.15mm	±0.01mm	80m/min	1800*1829*1450	2000







Wire Rod Precision Fiber Laser Cutting Machine