

Sales hotline:

+86 400 888 7008

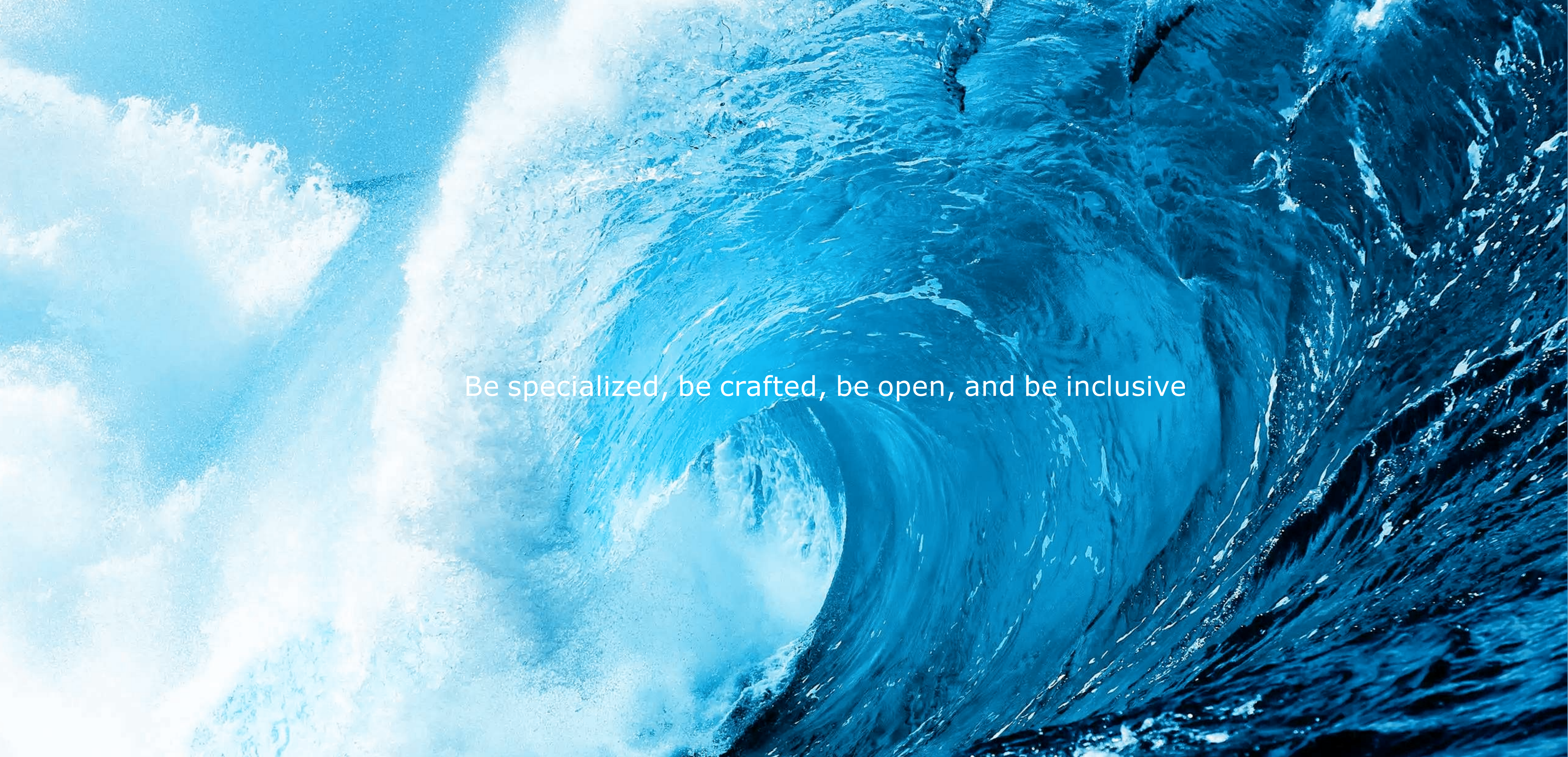
<https://www.dne.global>



DNE LASER (Guangdong) Co., Ltd.

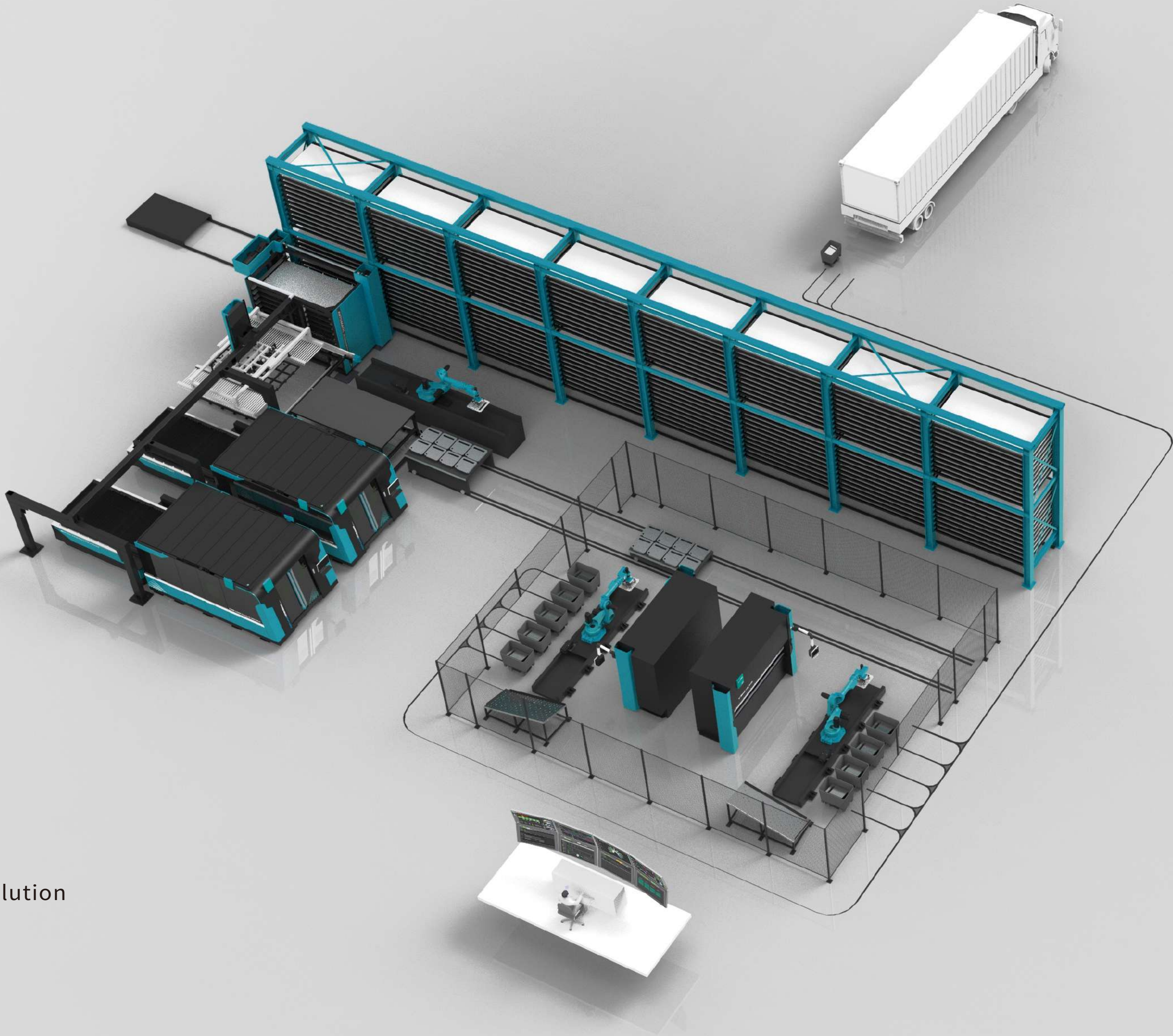
Head Office Address: 306, Excellent Henxin Building, Shajing Street,
Bao'an District, Shenzhen, Guangdong Province, China

Production Base: North of Nankun Nan 2nd Street, Lingang Industrial
Community, Nanhai District, Foshan City, Guangdong China

A full-page background image featuring a powerful, curling blue wave crashing towards the viewer. The sky above is a vibrant blue with scattered white clouds. The water is a deep, rich blue, and the wave's crest is white with foam. The overall mood is dynamic and energetic.

Be specialized, be crafted, be open, and be inclusive

Smart Factory Solution

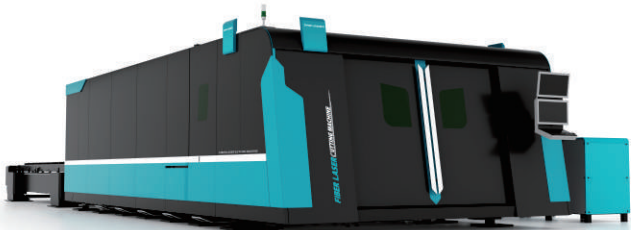


Content



01-02 Company Introduction

03-04 R&D



05-06 LASER CUTTING MACHINES

07-08 D-Soar Plus-PG
Ultra High-Power Fiber Laser Cutting Machine with Bevel Head
09-10 D-Soar Plus-G
Ultra High-Power High-Speed Fiber Laser Cutting Machine

13-14 D-Power
Fiber Laser Cutting Machine

15-16 D-Giant
Big Size Ground-Rail Fiber Laser Cutting Machine



17-18 TUBE CUTTING MACHINES

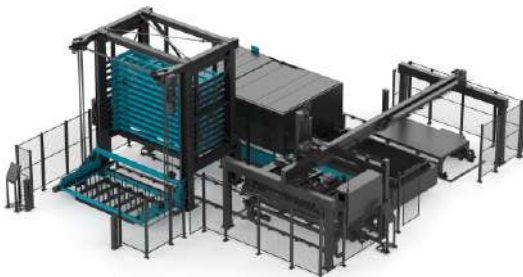
19-20 D-Tube Series
Fiber Laser Tube Cutting Machine



21-22 PRESS BRAKES

23-24 C-Bend
Professional CNC Press Brake

25-26 C-Bend S
Electro-Hydraulic Servo Press Brake



27-28 AUTOMATION

29-30 D-Trans
Automatic Loading and Unloading System

31-32 Smart Factory Solution

33-34 SERVICE REGULATIONS

Note: These images are for reference only, please refer to the actual product.



DNE LASER (Guangdong) Co., Ltd.

DNE Laser (Guangdong) Co., Ltd. (Brand name: DNE LASER), a wholly owned subsidiary of the Swiss Bystronic Group, is headquartered in Shenzhen with its production base located in Nanhai, Foshan. Over the years, the company has evolved into a professional provider of systematic solutions for intelligent manufacturing, including laser cutting machines, laser tube cutting machines, CNC bending machines, and automation equipments.

As a multi-year National High-Tech Enterprise, DNE LASER is a pioneer in industry, having been approved to establish the Guangdong Provincial Engineering Research Center for Ultra-High-Speed Fiber Laser Cutting Machines. Recognized among the Shenzhen Top 500 Enterprises, the company holds titles such as "Specialized, Refined, Distinctive, and Innovative" Enterprise (SRDI) and has been honored with the "Outstanding Localization Service Provider" and "Outstanding Corporate Social Responsibility" awards.

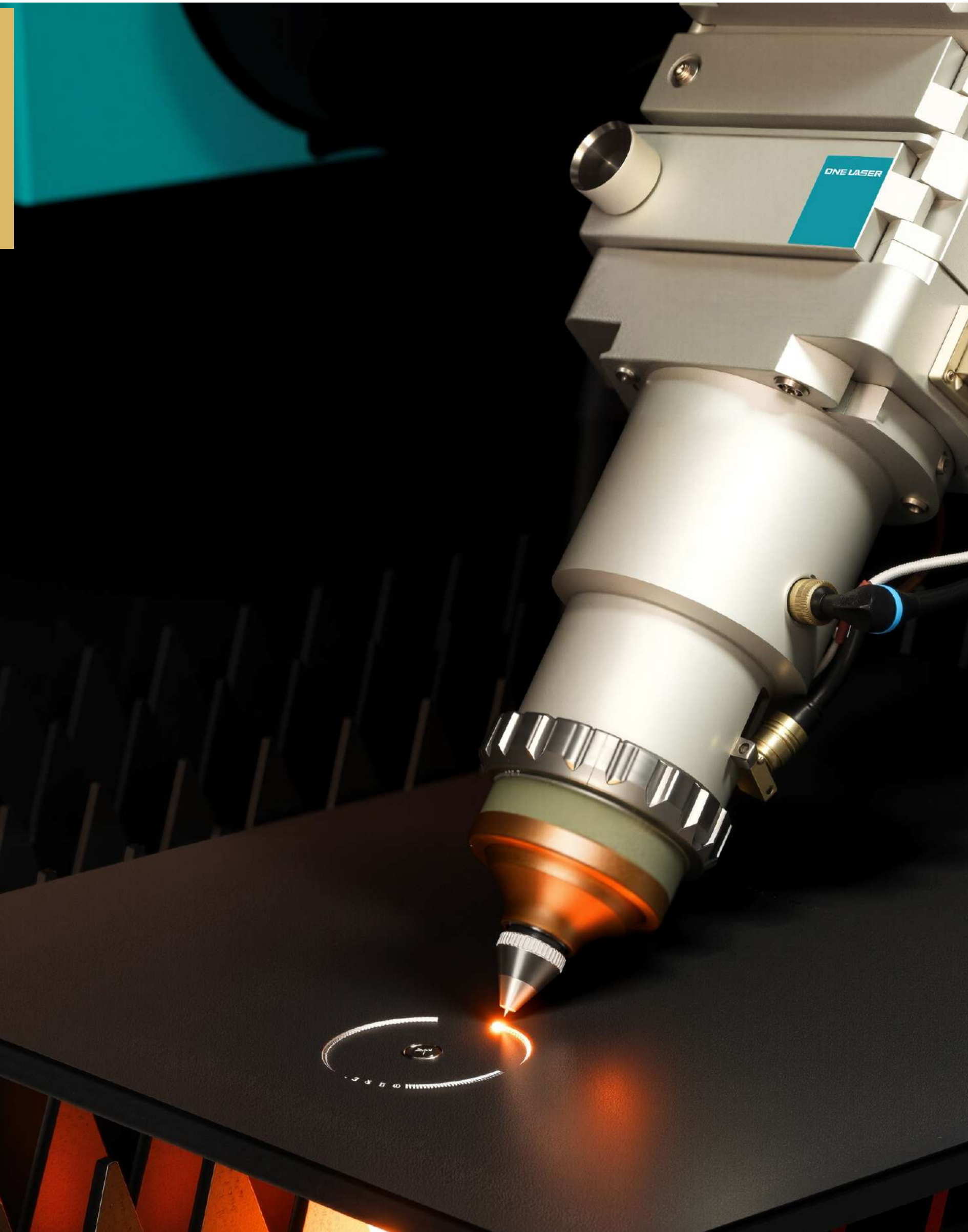
Further solidifying its industry leadership, DNE LASER was among the first to achieve Smart Manufacturing Capability Maturity Level 2 Certification and was designated as a Shenzhen Top Brand .



Continuous Research and Innovation
on Core Optical Technology

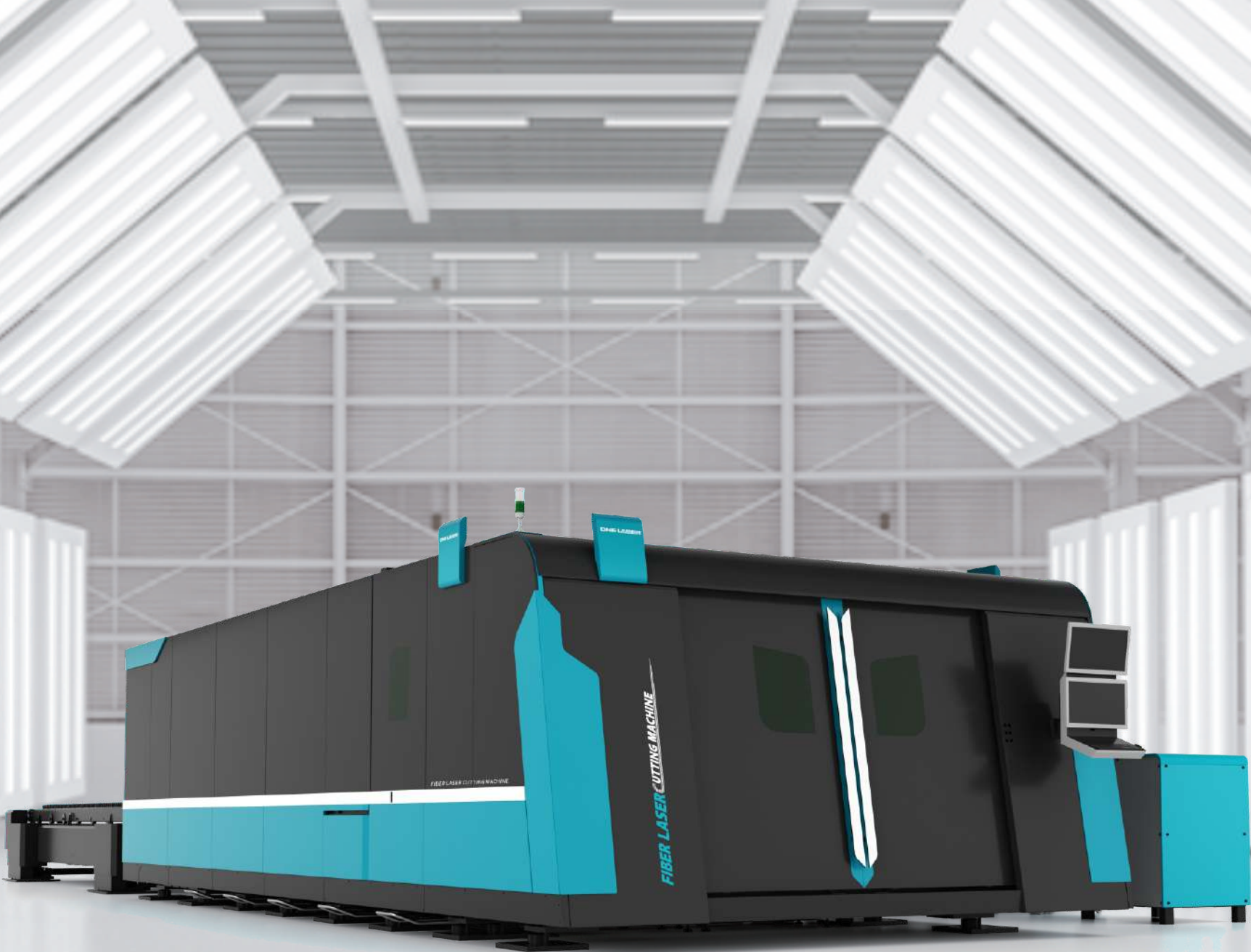
Professional laser technician
and experts





LASER CUTTING MACHINES

Ultra High-Power Fiber Laser Cutting Machine with Bevel Head



- 1 Three-connection five-axis 0-45°, plane bevel cutting with multi-angles.

3 Multinational joint research and development bevel cutting head, more intelligent and efficient.

5 Ultra weight-bearing hydraulic lifting table with high load capacity and resistance to off-center loading.
- 2 Support X/Y/K/V groove cutting by one-step forming, no secondary process required.

4 Heavy-duty hollow machine table design and structure design of engineering mechanics.

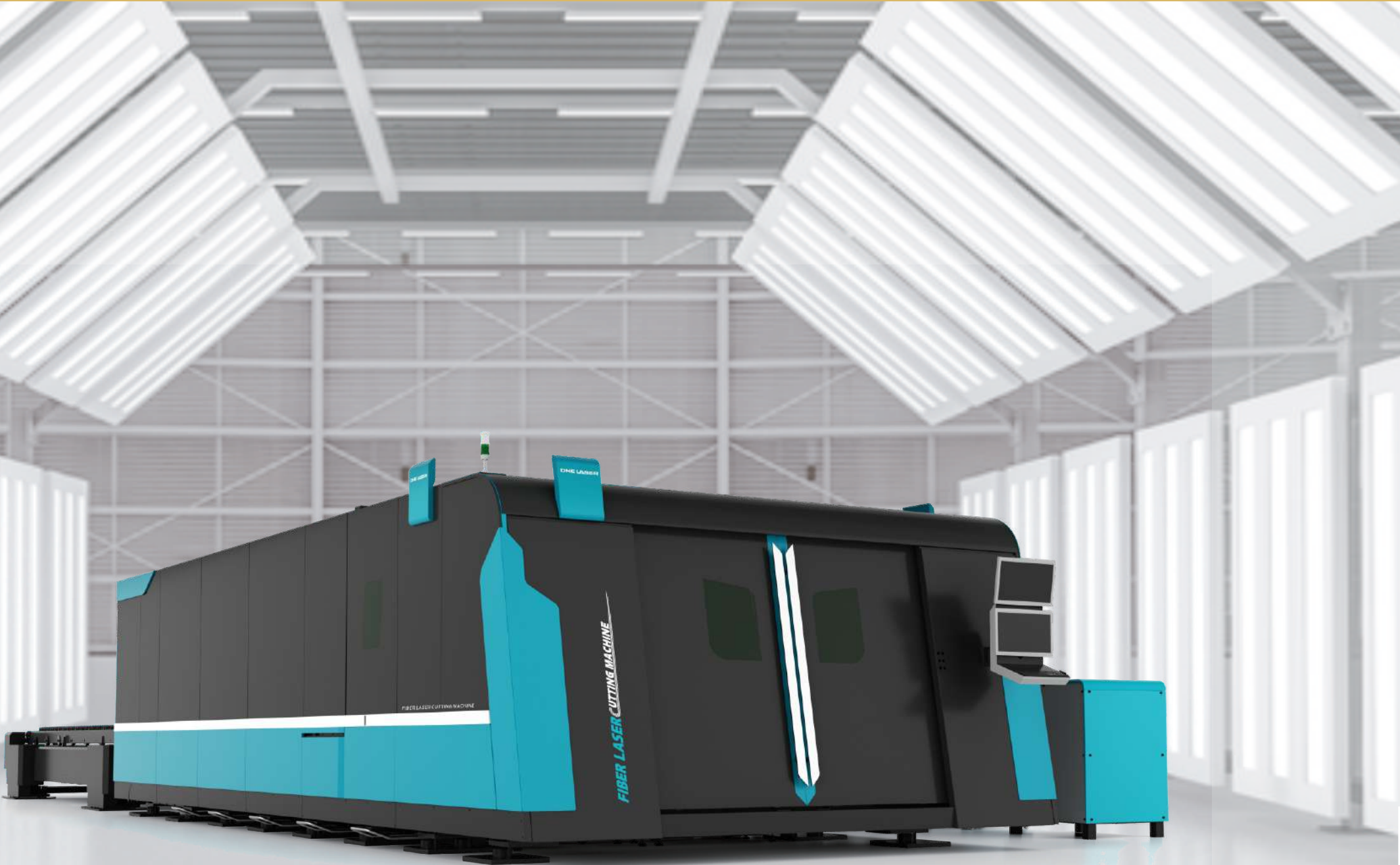
6 Customized smart software with easy operation.



D-Soar Plus-PG
Ultra High-Power Fiber Laser Cutting Machine with Bevel Head

Technical Parameters	
Product	D-Soar Plus-PG
Laser source	Fiber Laser Source(optional)
Format	2040 2060 2560 2580
Laser power	12000W 20000W 30000W
X/Y-axis linkage maximum acceleration	1.8 G
X/Y-axis linkage maximum positioning speed	180 m/min
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repeated positioning accuracy	±0.02mm
Power consumption of complete machine	≤60kW ≤80kW ≤110kW ≤150kW

Ultra High-Power High-Speed Fiber Laser Cutting Machine



1 Ultra-high power cutting head with more intelligent and efficient.

3 T-shape lightweight cutting bridge allows for smooth acceleration and deceleration, reducing wear and tear.

5 Ultra weight-bearing hydraulic lifting table with strong ability of weigh-bearing and anti deviated load.

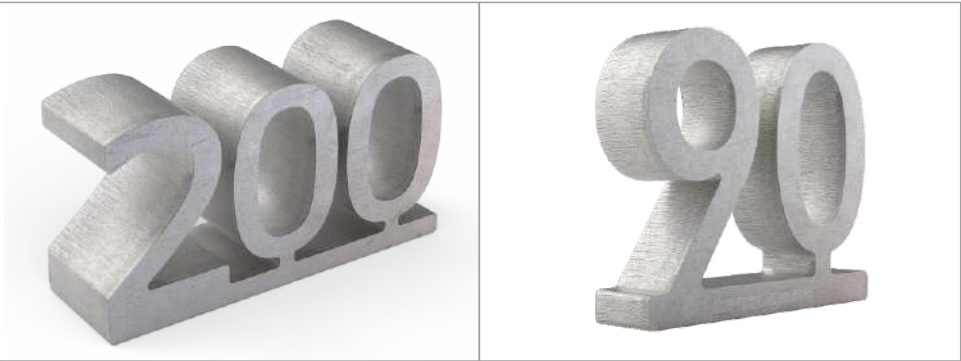
2 Smart sensing and control system.

4 Heavy-duty hollow machine table design and structure design of engineering mechanics.

6 Customized smart software with easy operation.



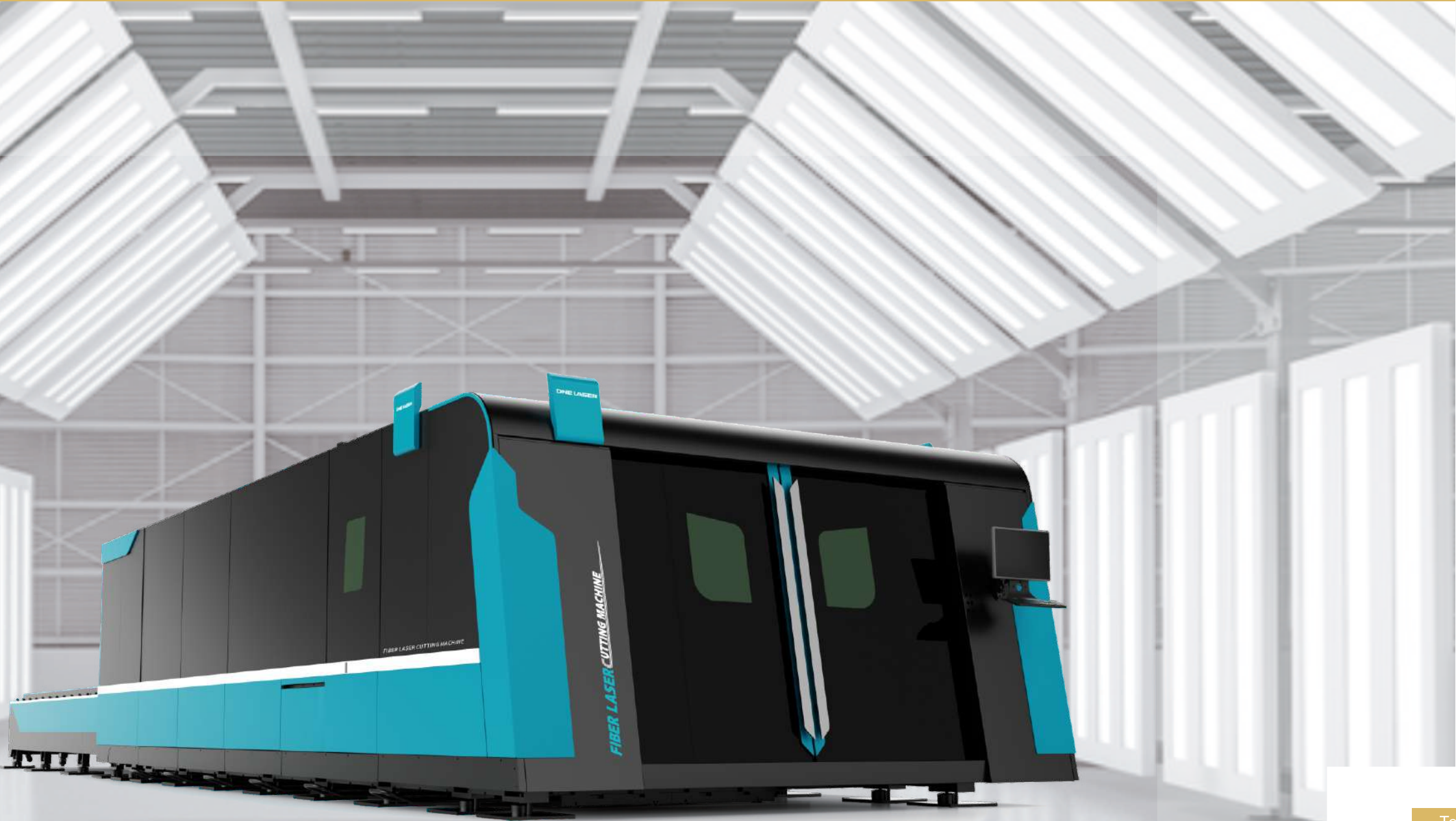
By-Power



D-Soar Plus-G Ultra High-Power High-Speed Fiber Laser Cutting Machine

Technical Parameters	
Product	D-Soar Plus-G
Laser source	Fiber Laser Source(optional)
Format	2040 2060 2560 2580
Laser power	12000W 20000W 30000W 40000W
X/Y-axis linkage maximum acceleration	2.8 G
X/Y-axis linkage maximum positioning speed	280 m/min
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repeated positioning accuracy	±0.02mm
Power consumption of complete machine	≤60kW ≤80kW ≤110kW ≤150kW

High-Power Fiber Laser Cutting Machine



- 1

European workmanship standard machine table.
- 2

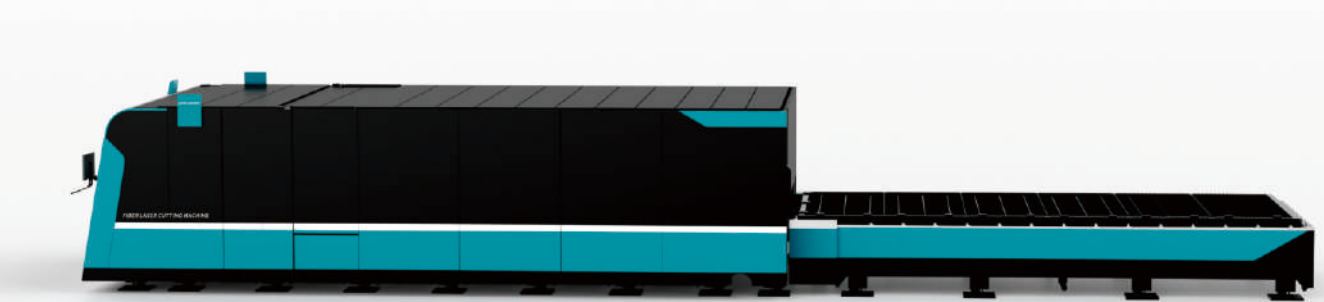
Die-cast Aviation Aluminum Gantry.
- 3

Self-owned core patented optical cutting head.
- 4

Independent dust extraction channel design.
- 5

Side sliding door design with sensors.
- 6

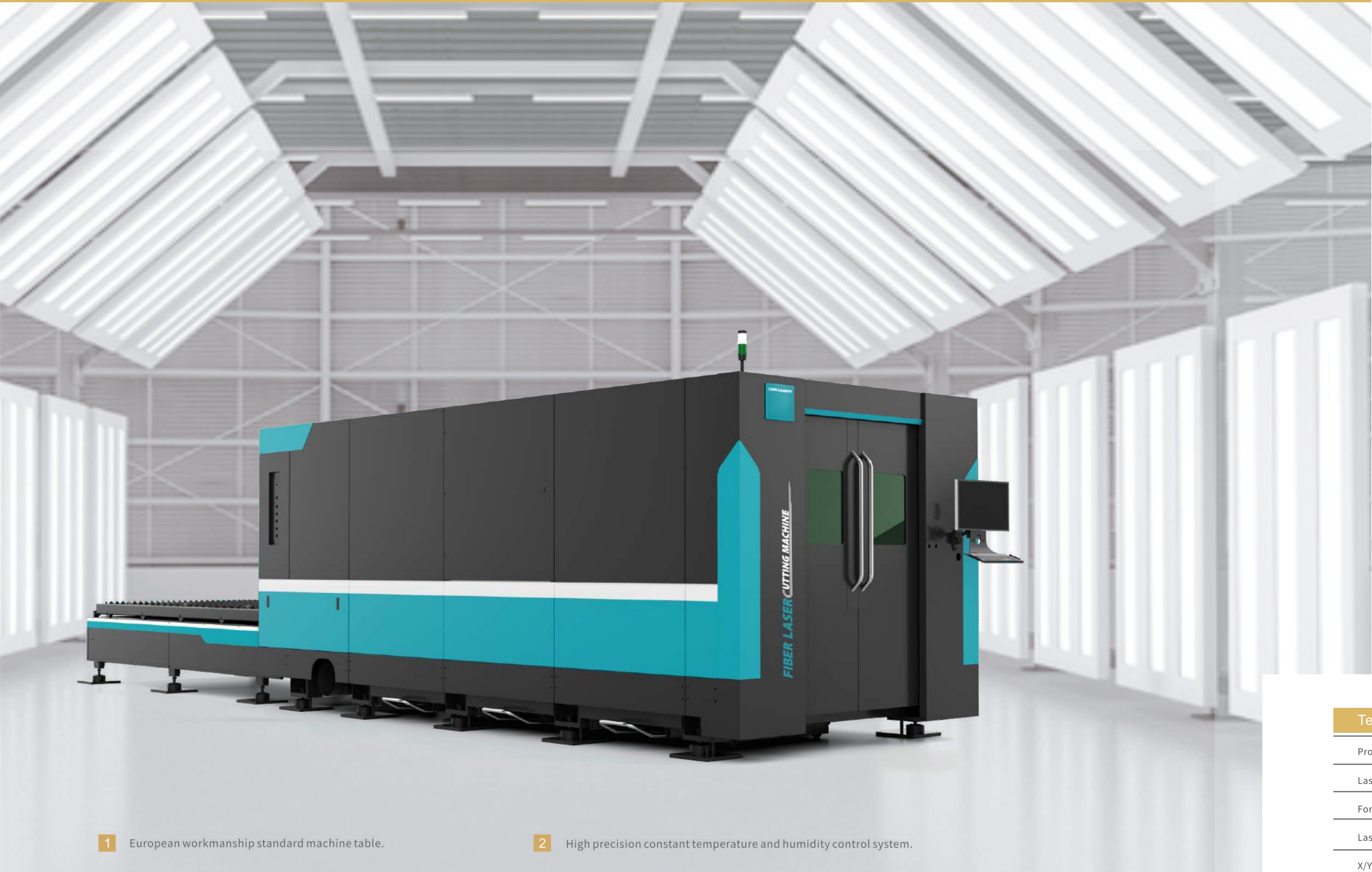
High-precision temperature and humidity control system.



D-Soar
High-Power Fiber Laser Cutting Machine

Technical Parameters	
Product	D-Soar
Laser source	Fiber Laser Source(optional)
Format	1530 1540 2040 2060 2560 2580
Laser power	3000W 6000W 12000W 20000W 30000W
X/Y-axis linkage maximum acceleration	1.2G
X/Y-axis linkage maximum positioning speed	120 m/min
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repeated positioning accuracy	±0.03mm
Power consumption of complete machine	≤30kW ≤40kW ≤65kW ≤95kW ≤135kW

Ultra High-power Fiber Laser Cutting Machine



- 1

European workmanship standard machine table.
- 2

High precision constant temperature and humidity control system.
- 3

Self-owned core patented optical cutting head.
- 4

Integrated cabinet and main unit design eliminates the need for disassembling and re-connecting wiring.



D-Power Fiber Laser Cutting Machine

Technical Parameters	
Product	D-Power
Laser source	Fiber Laser Source(optional)
Format	1530 2040 2560
Laser power	3000W 6000W 12000W
X/Y-axis linkage maximum acceleration	1.5G
X/Y-axis linkage maximum positioning speed	150 m/min
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repositioning accuracy	±0.03mm
Power consumption of complete machine	≤30kW ≤40kW ≤65kW
Bevel cutting function	Beveling Function: Available only on D-Power2560/2580/25120; processing restricted to upper worktable.

Big Size Ground-Rail Fiber Laser Cutting Machine



D-Giant
Big Size Ground-Rail Fiber Laser Cutting Machine

- 1

Adopting ground-rail high-precision machine tool.
- 2

Ensuring cutting precision by using separate handling and loading.
- 3

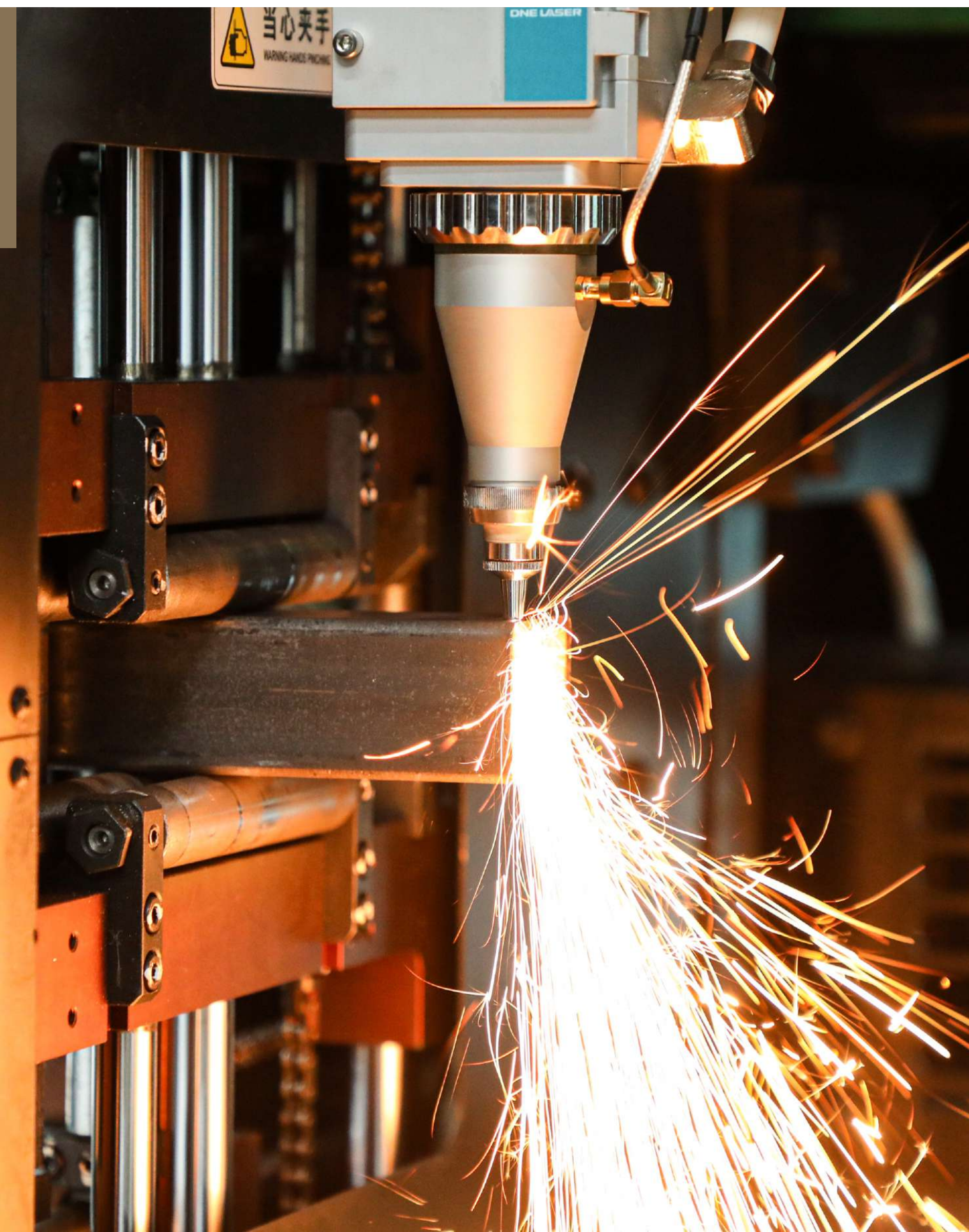
Customized process size with different length per requirement.
- 4

Applicable in cutting extra long and big sheet metal.
- 5

Segmented ventilation, excellent extraction performance.
- 6

Upgradable to match mechanical arm, bending and welding equipment, etc.

Technical Parameters	
Product	D-Giant
Laser source	Fiber Laser Source (optional)
Format	Width:3m /3.5m/ 4m /4.5m/5m; Length:12-40m
Laser power	12000W 20000W 30000W
X/Y-axis Max. linkage acceleration (Follow-up enclosure)	0.5G
X/Y-axis Max. linkage positioning speed (Follow-up enclosure)"	50m/min
X/Y-axis positioning accuracy	±0.15mm/10m
X/Y-axis repeated positioning accuracy	±0.10mm/10m
Power consumption of complete machine	≤70kW ≤110kW ≤140kW
Bevel cutting function	Optional



TUBE CUTTING MACHINES

Fiber Laser Tube Cutting Machine



D-Tube Series

Fiber Laser Tube Cutting Machine

Technical Parameters																								
Model	240												360											
Number of chucks	2		3						4				2		3						4			
Loading length	6.5m		6.5m	6.5m	9.2m		12.5m		12.5m				6.5m		6.5m	9.2m		12.5m		12.5m				
Unloading length	2m		4m	6.5m	6.5m	9.2m	6.5m	9.2m	12.2m	6.5m	9.2m	12.2m	2m		6.5m	6.5m	9.2m	6.5m	9.2m	12.2m	6.5m	9.2m	12.2m	
Round tube (mm)	Φ15-Φ230												Φ40-Φ350											
Square tube(mm)	□15*15-□230*230												□40*40-□350*350											
Theoretical Max. chuck load	300kg												1200kg											
X/Y-axis positioning accuracy	±0.05mm/m																							
X/Y-axis repeated positioning accuracy	±0.03mm/m																							
Bevel cutting function	Optional																							

- 1 Suitable for pipes of various shapes made of carbon steel, stainless steel, and aluminum.
 - 2 Fully automatic centering chuck, good sealing and movement characteristics, stable clamping.
 - 3 Automatic blanking and automatic tail material processing.
 - 4 Advanced sensing system and flexible follow-up device helping smooth production.
 - 5 High cutting quality, precision, speed and efficiency.
 - 6 Easy to use cutting nesting software.



PRESS BRAKES

Press Brake Machine



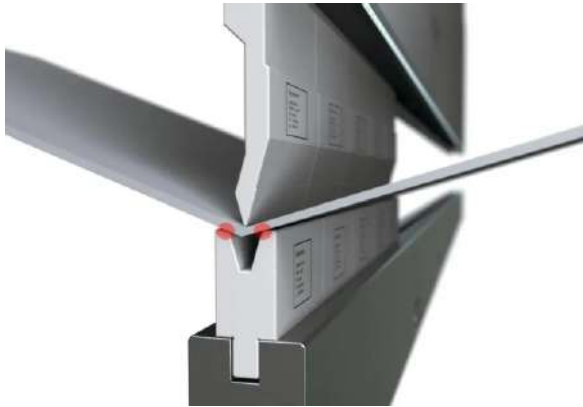
- 1 C-frame. Unique design and whole machine rigidity verification, improve the processing range at the same time, guarantee the long-term use of high stability.

2 High-frequency closed-loop hydraulic control technology, faster, more efficient, more stable precision.

3 CNC control of mechanical deflection compensation technology to ensure the consistency of bending processing.

4 High-speed, high-precision, high-reliability rear positioning system.

5 High cost-effective, fast return on investment.



C-Bend Professional CNC Press Brake

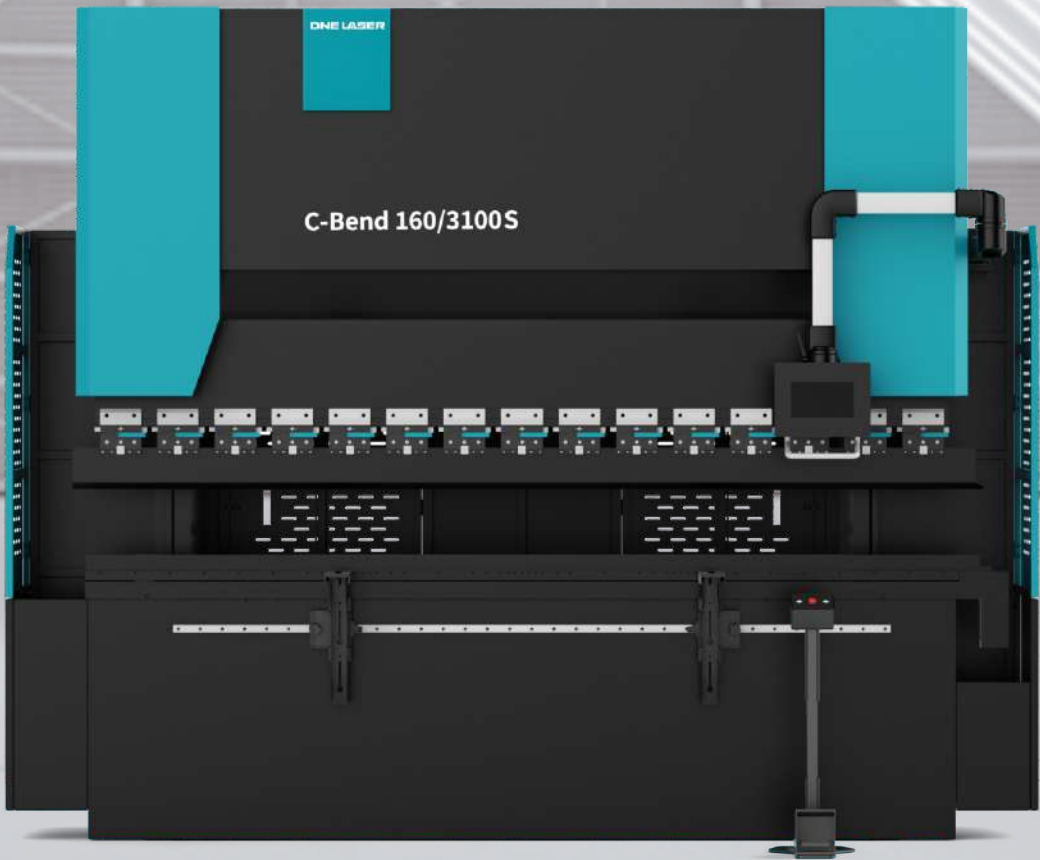
Technical Parameters			
Technical indicators	Unit	C-Bend 100/3100	C-Bend 160/3100
Bending force	kN	1000	1600
Bending length	mm	3100	3100
Cylinder stroke	mm	200	300
Opening height	mm	500	600
Throat depth	mm	410	410
Side plate spacing	mm	2500	2500
X-axis precision	mm	0.05	0.05
Y-axis precision	mm	0.01	0.01

Press Brake Machine



C-Bend S

Electro-Hydraulic Servo Press Brake



- 1

CNC-controlled mechanical deflection compensation technology ensures consistent bending quality.
- 2

The frame is integrally welded and undergoes CNC annealing to eliminate stress, ensuring precision and no deformation after processing.
- 3

The high-frequency response closed-loop hydraulic control technology offers outstanding speed, efficiency, and precision.
- 4

The "C" frame design provides a broader processing range and higher flexibility, accommodating complex shapes and sizes of workpieces.
- 5

With a standard opening height of 600 mm and a cylinder stroke of 300 mm, it meets the needs of complex workpieces and special tooling, supporting diverse production tasks.
- 6

Precision Centering & Auto-feeding System: Standard-equipped alignment mechanism with multi-tube compatibility. Enables continuous automatic feeding of up to 5 tubes/pipes, minimizing manual intervention.

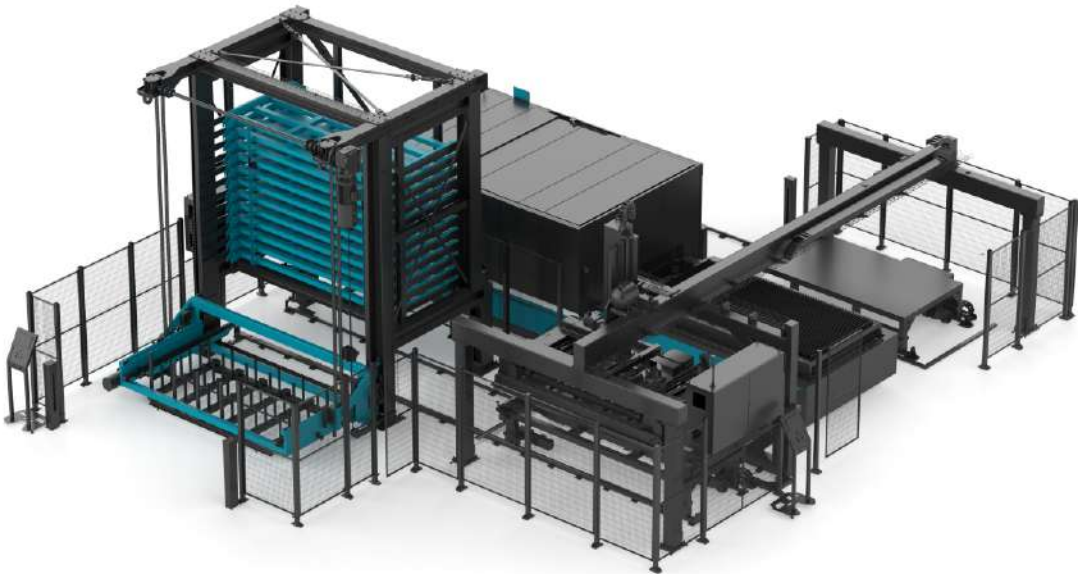
Technical Parameters			
Technical indicators	Unit	C-Bend S 100/3100	C-Bend S 160/3100
Bending force	kN	1000	1600
Bending length	mm	3100	3100
Cylinder stroke	mm	500	600
Opening height	mm	2500	2500
Throat depth	mm	410	410
Side plate spacing	mm	200	300
X-axis precision	mm	0.05	0.05
Y-axis precision	mm	0.01	0.01



AUTOMATION

Automatic Auxiliary Equipment for Laser Cutting Machine

DNE LASER specializes in providing customized solutions for fiber laser cutting machines and their auxiliary equipment. Whether it's addressing specific processing requirements for sheet cutting, achieving precise positioning and displacement of irregular parts, or ensuring efficient large-scale production.



D-Trans
Automatic Loading and Unloading System

Technical Parameters		
Main parameters/configuration	1530	2040
Material storage type	Single-tower	
Material storage	6/8/12/15 Layers	
Maximum sheet metal size	1500*3000	2000*4000
Sheet metal thickness	0.8-20mm	0.8-15mm
Loading and unloading system maximum load	900 Kg	1000 Kg/1600 Kg
Trolley load	3000kg	5000kg
Maximum load capacity per tabletop	3t	3t/5t (optional)
Number of connectable laser cutting machines	1/2	
Layout type	One-to-one / One-to-two	
Loading and unloading system type	Frame type	
Mechanical vibration for sheet separation	Standard for thin sheets	
Mechanical air blowing for sheet layering	Standard configuration	
Sheet thickness detection	Standard configuration	
Traceless gear shaper	Optional	
Raw material/finished product electric trolley	Optional	
Double-layer raw material/finished product electric trolley	Optional	
Material warehouse trolley	Optional	

Smart Factory Solution

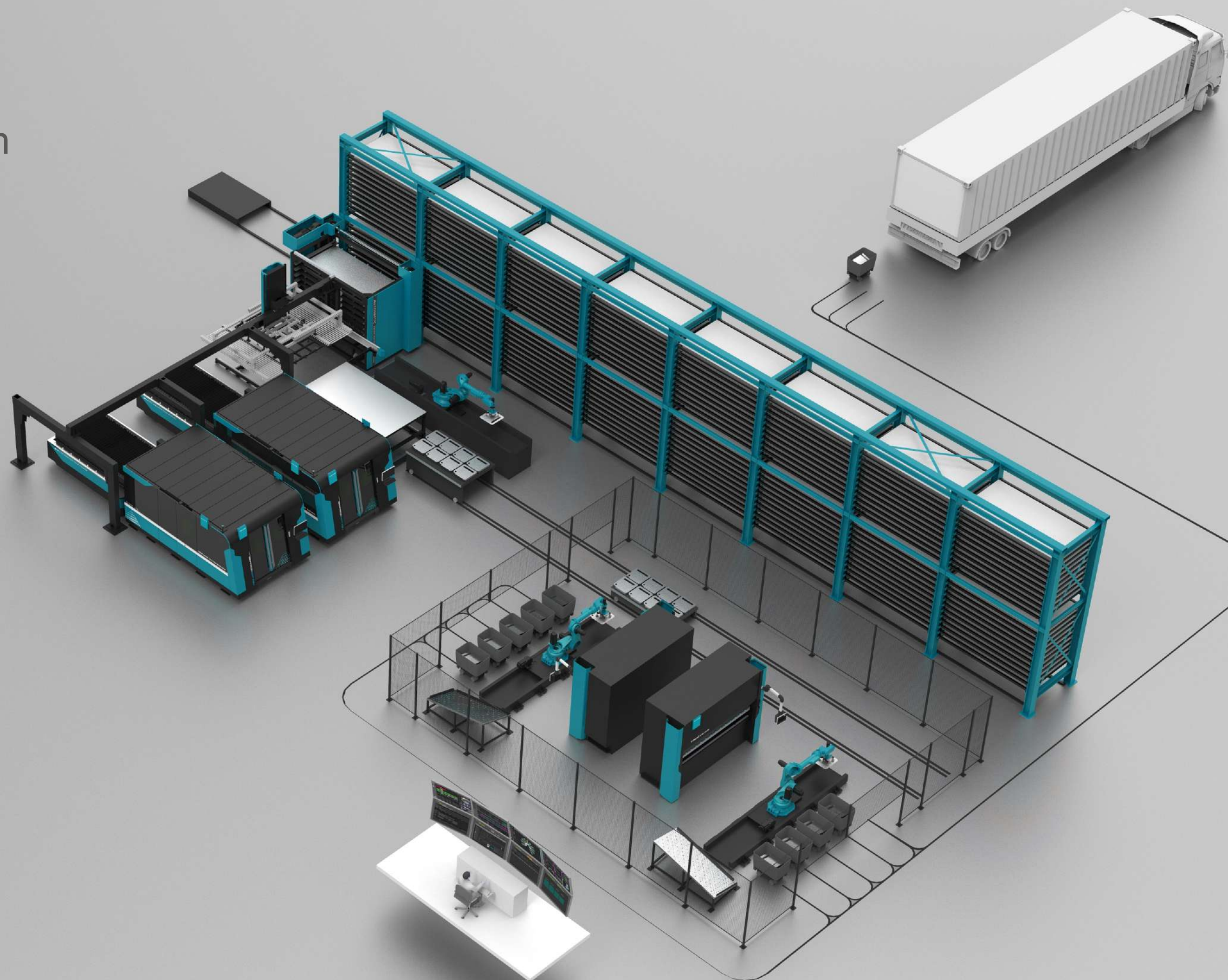
From cutting, pipe cutting, and bending to automation, DNE LASER has outlined a production vision that goes beyond automation to "Intelligent" automation. We aim to help you maintain a competitive advantage and achieve the best value.

Automatic supply and turnover of material

Unattended automatic production

Easy production process control

Automated order and scheduling



SERVICE REGULATIONS



Pre-Sales Service

- Providing technical support for sales department.
- Providing workshop layout design support for customers.
- Providing advisory service of ancillary equipment, etc.

In-Sales Service

- Online training of equipment installation and operation.
- Providing interactive technical training for agent companies based on their requirement.
- For new model or new agent company, DNE can dispatch the after-sales service engineer team to customer's site for tutoring agent company in installation.

After-Sales Service

- Equipment upgrading.
- Value-adding service.
- Spare part, consumables sales.
- Equipment maintenance and repair.
- Technical support for equipment operating skill.