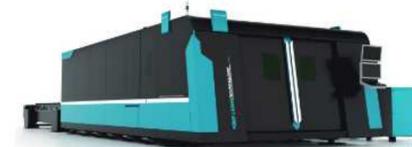


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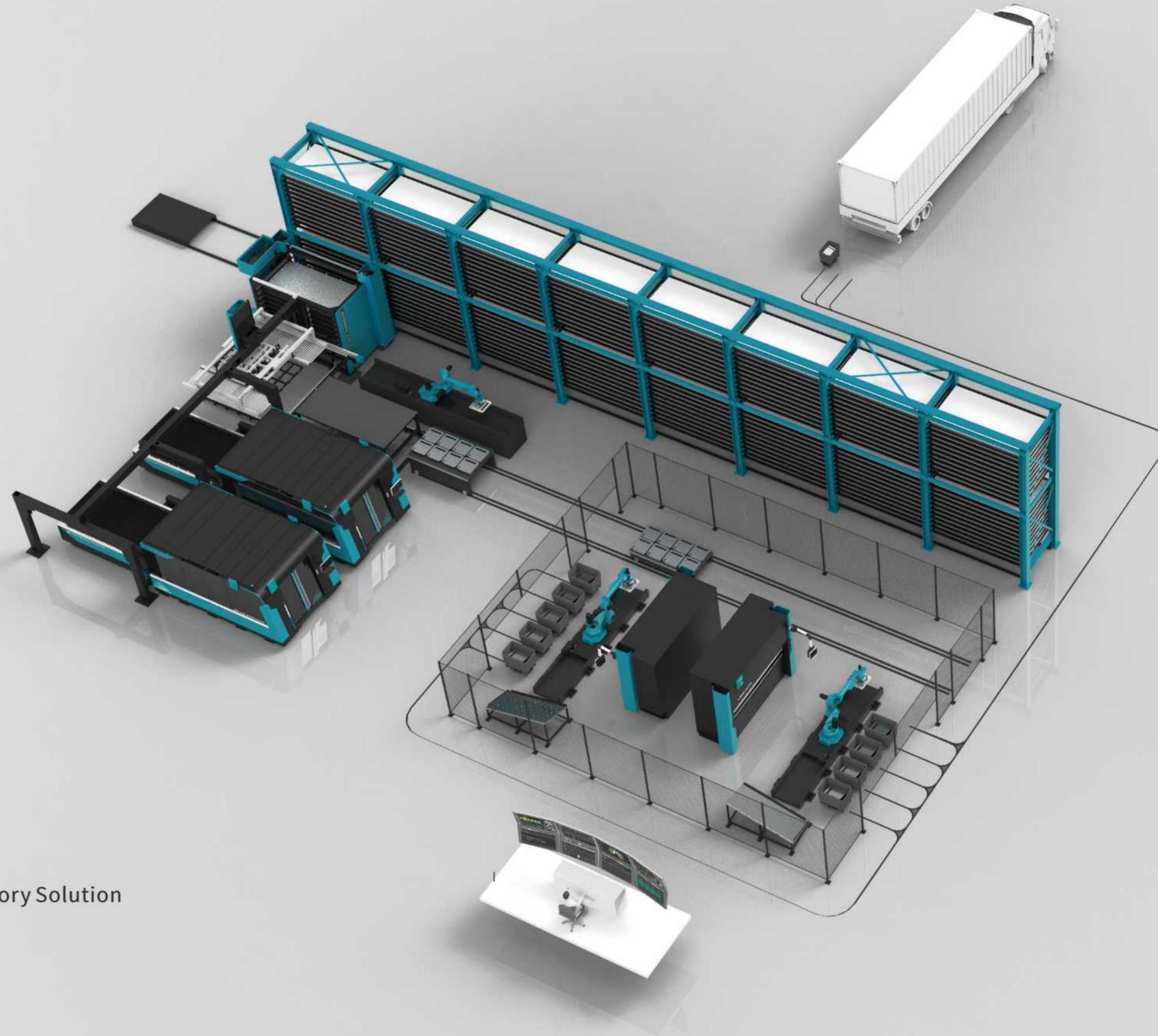
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Smart Factory Solution





## 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.

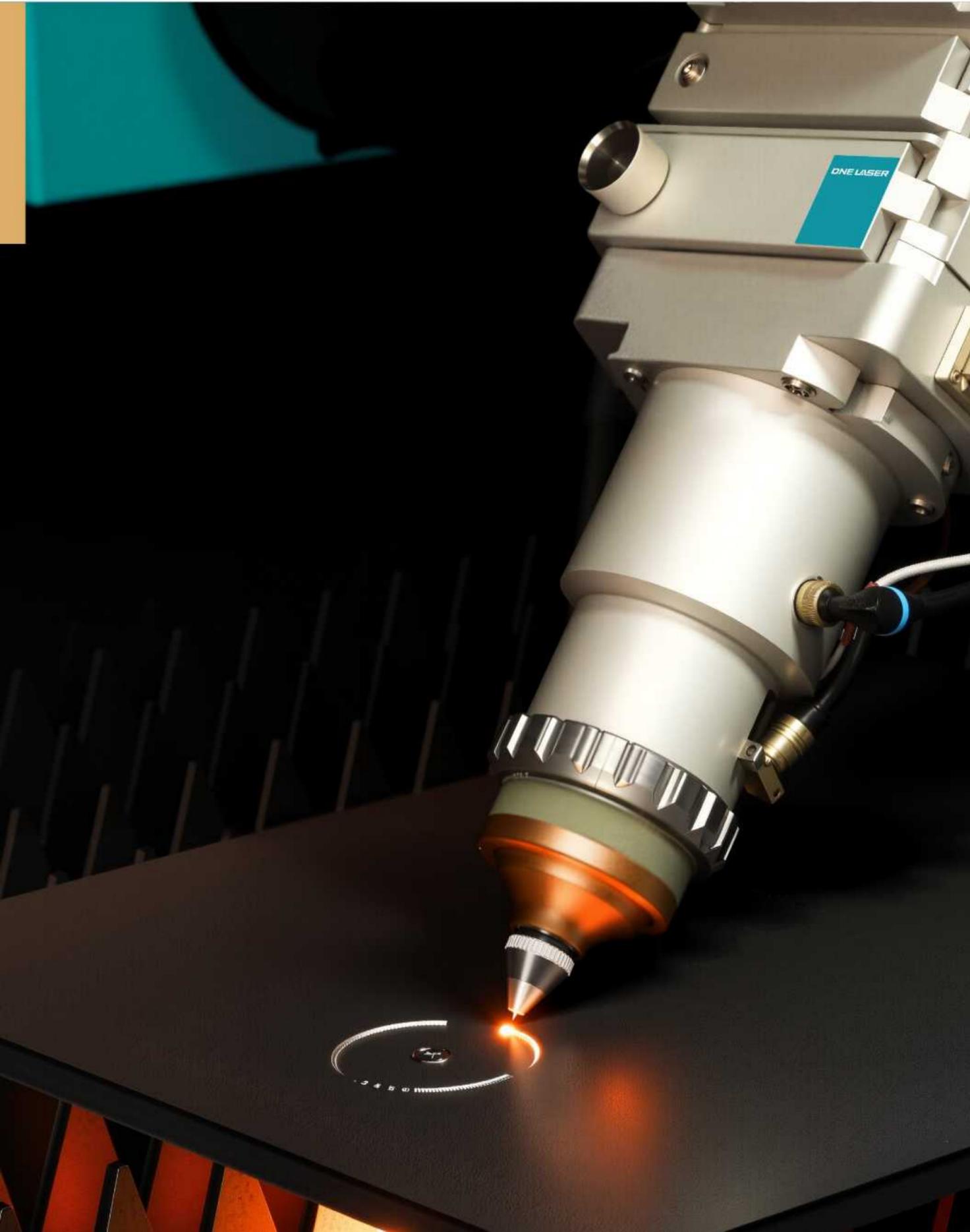
Further solidifying its industry leadership, DNE LASER was among the first to achieve Smart Manufacturing Capability Maturity Level 2 Certification and was designated as a Shenzhen Top Brand .



Continuous Research and Innovation  
on Core Optical Technology

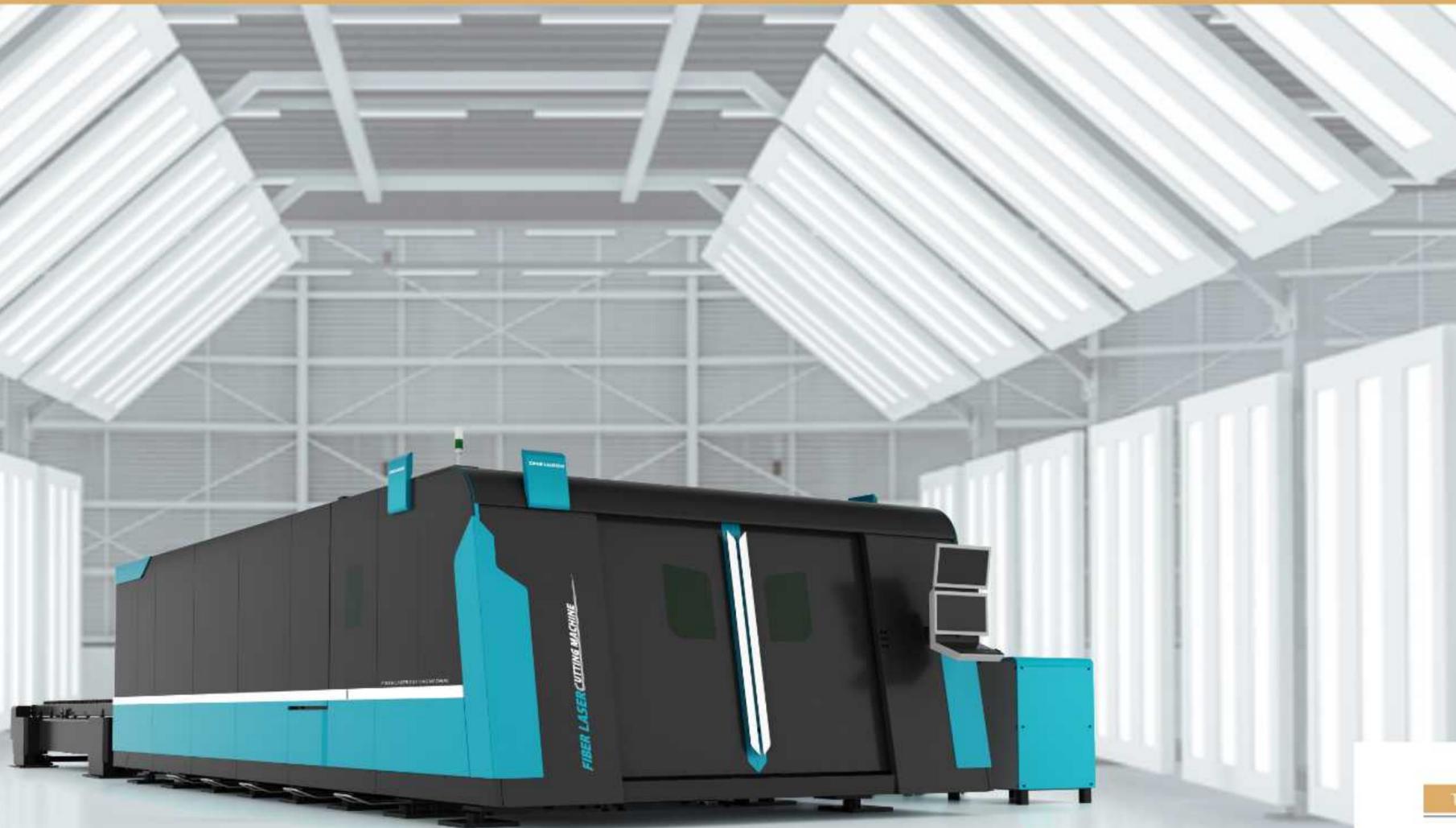
Professional laser technician  
and experts





## LASER CUTTING MACHINES

# Ultra High-Power Fiber Laser Cutting Machine with Bevel Head



## D-Soar Plus-PG

Ultra High-Power Fiber Laser Cutting Machine with Bevel Head

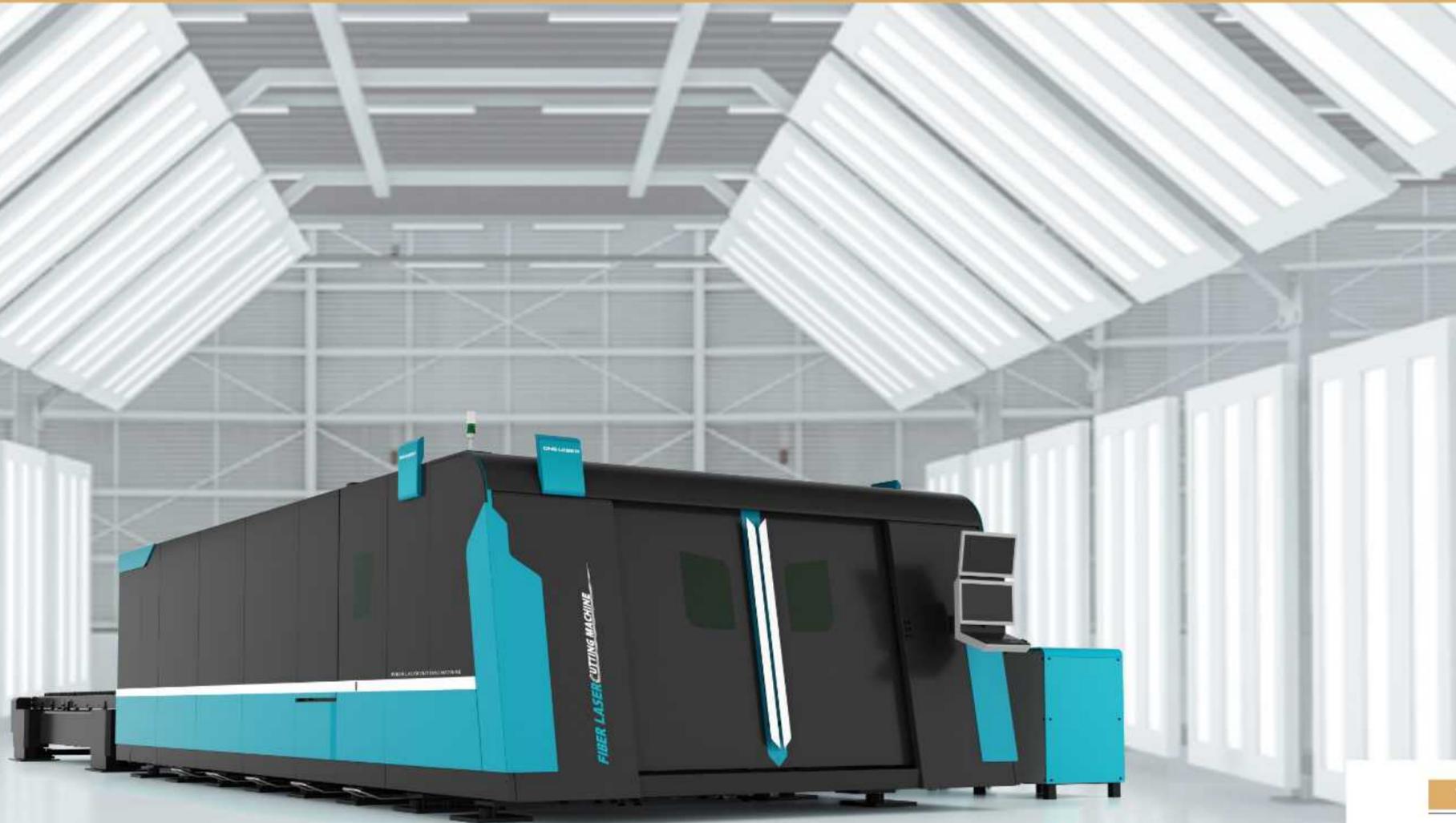
- 1 Three-connection five-axis 0-45°, plane bevel cutting with multi-angles.
- 2 Support X/Y/K/V groove cutting by one-step forming, no secondary process required.
- 3 Multinational joint research and development bevel cutting head, more intelligent and efficient.
- 4 Heavy-duty hollow machine table design and structure design of engineering mechanics.
- 5 Ultra weight-bearing hydraulic lifting table with high load capacity and resistance to off-center loading.
- 6 Customized smart software with easy operation.

Technical Parameters	
Product	D-Soar Plus-PG
Laser source	Fiber Laser Source(optional)
Format	2040 2060 2560 2580 25120
Laser power	12000W 20000W 30000W 40000W
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 ≤190kW

# Ultra High-Power High-Speed Fiber Laser Cutting Machine



*By-Power*



## D-Soar Plus-G

Ultra High-Power High-Speed Fiber Laser Cutting Machine

- 1 Ultra-high power cutting head with more intelligent and efficient.
- 2 Smart sensing and control system.
- 3 T-shape lightweight cutting bridge allows for smooth acceleration and deceleration, reducing wear and tear.
- 4 Heavy-duty hollow machine table design and structure design of engineering mechanics.
- 5 Ultra weight-bearing hydraulic lifting table with strong ability of weigh-bearing and anti deviated load.
- 6 Customized smart software with easy operation.

### Technical Parameters

Product	D-Soar Plus-G
Laser source	Fiber Laser Source(optional)
Format	2040 2060 2560 2580 25120
Laser power	12000W 20000W 30000W 40000W 60000W
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 ≤190kW ≤250kW

# High-Power Fiber Laser Cutting Machine



**D-Soar**  
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.

Technical Parameters	
Product	D-Soar
Laser source	Fiber Laser Source(optional)
Format	1530 2040 2060 2560 2580 25120
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

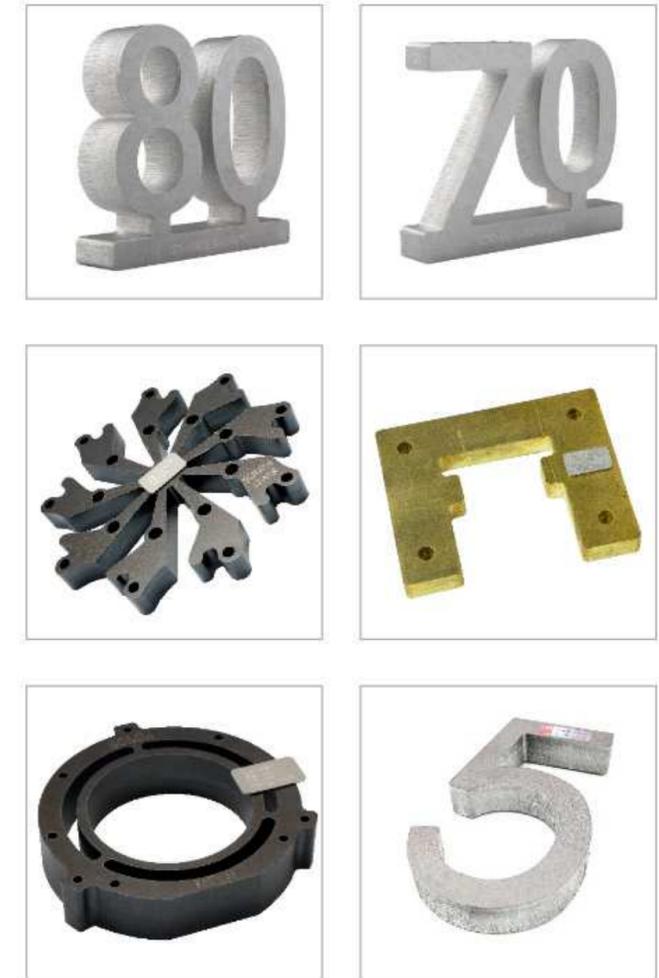


1 European workmanship standard machine table.

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

Technical Parameters	
Product	D-Power
Laser source	Fiber Laser Source (optional)
Format	1530 2040 2560 2580 25120
Laser power	3000W 6000W 12000W 20000W 30000W
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 repeated positioning accuracy	±0.03mm
Power consumption of complete machine	≤30kW ≤40kW ≤65kW ≤95kW ≤140kW
Bevel cutting function	Beveling Function: Available only on D-Power2560/2580/25120; processing restricted to upper worktable.*

# Ultra High-power Fiber Laser Cutting Machine



## D-Speed High-Performance Laser Cutting Machine

- 1 Fast, high-quality, stable, and efficient cutting
- 2 Upgraded, high-tech appearance
- 3 T-shaped mortise and tenon welded structure
- 4 Made of high-yield-strength material, bed strength increased by 51%
- 5 Short focus + ultra-fine fiber to increase energy density
- 6 Independent electrical cabinet, dustproof and vibration-resistant, safe and reliable

Technical Parameters	
Product	D-Speed
Laser source	Fiber Laser Source(optional)
Format	1530 2040 2060 2560 (1530/2040: optional short-focus cutting head)
Laser power	3000W 6000W 12000W 20000W (6000W: optional small-core cutting head)
Maximum single-axis acceleration	1.5 G
X/Y-axis linkage maximum acceleration	2.0 G
X/Y-axis linkage maximum positioning speed	150 m/min
X/Y-axis positioning accuracy	±0.05mm
X/Y-axis repeated positioning accuracy	±0.03mm
Power consumption of complete machine	≤26kW ≤34kW ≤60kW ≤92kW

# Open-type Laser Cutting Machine



## D-Energy F Open-type Laser Cutting Machine

- 1 Up to 30,000 W laser power
- 2 150 m/min maximum linkage positioning speed
- 3 3-13 m Multiple processing areas
- 4 1.5 G Maximum linkage acceleration
- 5 Low power lasers without disassembly
- 6 Equipped with self-developed cutting heads, it is more reliable

Technical Parameters	
Product	D-Energy F
Laser source	Fiber Laser Source (optional)
Format	1530 2040 2560 2580 32130
Laser power	3000W 6000W 12000W 20000W 30000W
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 repeated positioning accuracy	±0.03mm
Power consumption of complete machine	≤30kW ≤40kW ≤65kW ≤95kW ≤135kW

# Big Size Ground-Rail Fiber Laser Cutting Machine

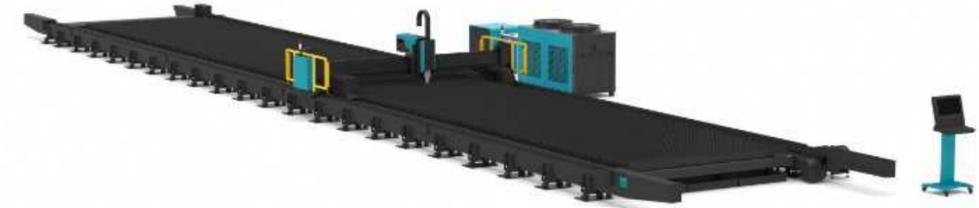


**D-Giant**  
Big Size Ground-Rail Fiber Laser Cutting Machine

- 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 40000W 60000W 80000W
X/Y-axis linkage maximum acceleration	1.4G/1.4G/1.2G/1G/1G
X/Y-axis linkage maximum positioning speed	120/120/100/80/80 m/min
X/Y-axis maximum linkage acceleration (Follow-up enclosure) (Optional)	0.5G
X/Y-axis maximum linkage positioning speed (Follow-up enclosure) (Optional)	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 ≤170kW ≤250kW ≤320kW
Bevel cutting function*	Optional

# Big Size Ground-Rail Fiber Laser Cutting Machine

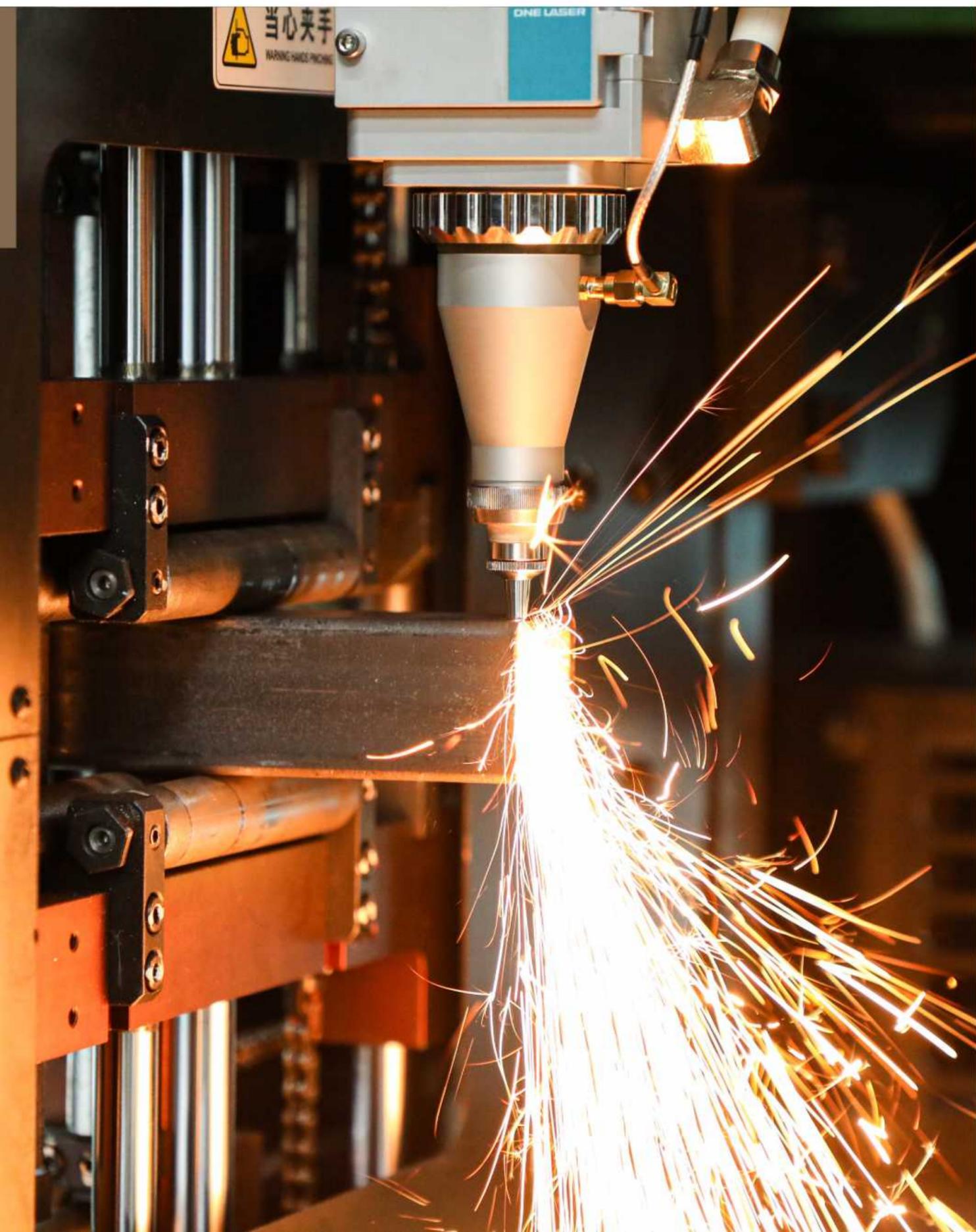


## D-Giant F

### Big Size Ground-Rail Fiber Laser Cutting Machine

- 1 Adopting ground-rail high-precision machine tool.
- 2 Applicable in cutting extra long and big sheet metal.
- 3 Ensuring cutting precision by using separate handling and loading.
- 4 Good air exhaust effect by segmented exhaust.
- 5 Customized process size with different lengths per requirement.
- 6 Can upgrade to match mechanical arm, bending and welding equipment, etc.

Technical Parameters	
Product	D-Giant F
Laser source	Fiber Laser Source (optional)
Format	Width:3m /3.5m; Length:12-40m*
Laser power	12000W 20000W 30000W 40000W 60000W 80000W
X/Y-axis linkage maximum acceleration	0.5G
X/Y-axis linkage maximum positioning speed	50 m/min
X/Y-axis positioning accuracy	±0.20mm/10m
X/Y-axis repeated positioning accuracy	±0.15mm/10m
Power consumption of complete machine	≤70kW ≤110kW ≤140kW ≤170kW ≤250kW ≤320kW
Bevel cutting function	Optional



TUBE CUTTING MACHINES

# Fiber Laser Tube Cutting Machine



## D-Tube 520

Heavy Duty Fiber Laser Tube Cutting Machine

重载型光纤激光切管机

1 Can process super heavy duty pipe up to 520mm in diameter.

2 Multi-point heavy-duty centering chuck, single material heavy-duty up to 1.5 tons.

3 Gantry type fixed cutting bridge, cutting head operation more stable, higher precision.

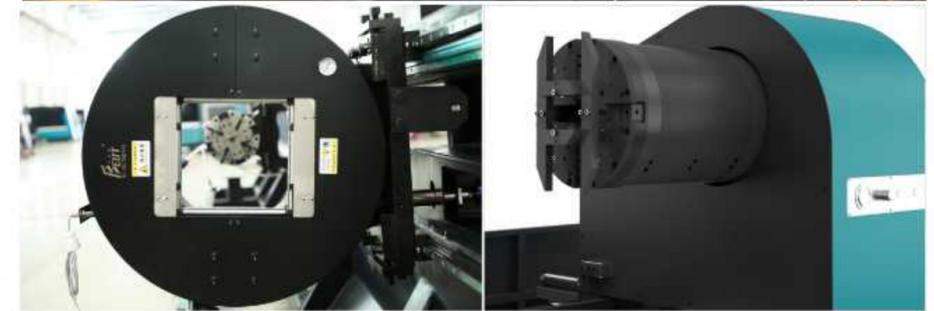
4 high negative pressure dust extraction function, better dust extraction effect, remove residue and protect the chuck.

5 Segmental type unloading according to the move of the material, different pipe length, using different unloading way according to the move of the material.

6 Multi-chuck automatic direction change, to achieve cutting "zero" tail material, saving material cost.

Technical Parameters				
Model	520			
Number of chucks	3	4		
Round tube (mm)	Φ50-Φ510			
Square tube(mm)	□35*35-□1510*510			
Theoretical maximum chuck load	1500kg			
Loading length	12.5m		12.5m	
Unloading length	6m	9m	12m	12m
X/Y-axis positioning accuracy	±0.05mm/m			
X/Y-axis repeated positioning accuracy	±0.03mm/m			
Bevel cutting function	Optional			

# Fiber Laser Tube Cutting Machine



## D-Tube Series Fiber Laser Tube Cutting Machine

- 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.

### Technical Parameters

Model	240			360			640						
Number of chucks	2		3		2		3		4				
Round tube (mm)	Φ15-Φ230			Φ40-Φ350			Φ50-Φ620						
Square tube(mm)	[ 115*15-[ 230*230			[ 140*40-[ 350*350			[ 180*80-[ 620*620						
Theoretical maximum chuck load	300kg			1200kg			2800kg						
Loading length	6.5m	6.5m	9.2m	6.5m	6.5m	9.2m	12.5m	12.5m					
Unloading length	2m	6m	6m	9m	2m	6m	6m	9m	6m	9m	12m	9m	12m
X/Y-axis positioning accuracy	±0.05mm/m												
X/Y-axis repeated positioning accuracy	±0.03mm/m												
Bevel cutting function	Optional												

# Fiber Laser Tube Cutting Machine



## D-Tube F Fiber Laser Tube Cutting Machine

### Technical Parameters

Number of chucks	2		
Model	120	240	360
Round tube (mm)	Φ8-Φ120	Φ12-Φ240	Φ40-Φ350
Square tube(mm)	□18*8-□1120*120	□112*12-□1240*240	□140*40-□1350*350
Theoretical maximum chuck load	100kg	300kg	1000kg
Loading length	6.5m	6.5m	6.5m
Unloading length	2m	2m	2m
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



## 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 travel	mm	500	500
X-axis maximum positioning length	mm	800	800
Y-axis precision	mm/s	0.01	0.01
X-axis precision	mm	0.05	0.05
X-axis positioning speed	mm	400	400
R-axis travel	mm	100	100
R-axis positioning speed	mm	100	100
R-axis precision	mm	0.05	0.05
Z-axis travel (for 4-axis rear positioning)	mm/s	2300	2300
Z-axis maximum speed (for 6-axis backgauge, optional)	mm/s	600	600
Y-axis rapid traverse speed	mm/s	150	150
Y-axis working feed speed	mm/s	10	10
Y-axis return speed	mm/s	140	140
Hydraulic oil volume	L	250	250

**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.

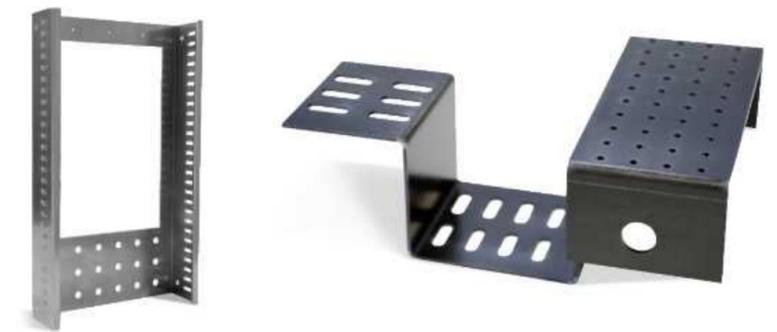
**2** High-frequency closed-loop hydraulic control technology, faster, more efficient, more stable precision.

**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.

# Press Brake Machine



## C-Bend S New Electro-Hydraulic Servo Press Brake

### Technical Parameters

Technical indicators	Unit	C-Bend S 100/3100 S	C-Bend S 160/3100 S
Bending force	kN	1000	1600
Bending length	mm	3100	3100
Opening height	mm	500	600
Side plate spacing	mm	2500	2500
Throat depth	mm	410	410
Y-axis (oil cylinder) travel	mm	200	300
X-axis travel	mm	500	500
X-axis maximum positioning length	mm	800	800
R-axis travel	mm/s	100	200
Z-axis travel (for 6-axis backgauge, optional)	mm	2300	2300
Y-axis precision	mm	0.01	0.01
X-axis precision	mm	0.05	0.05
R-axis precision	mm	0.05	0.05
Y-axis rapid traverse speed	mm	150	150
Y-axis working feed speed	mm/s	10	10
Y-axis return speed	mm/s	140	150
X-axis positioning speed	mm/s	400	400
R-axis positioning speed	mm/s	100	100
Z-axis positioning speed (for 6-axis backgauge, optional)	mm/s	600	600
Hydraulic oil volume	L	250	250

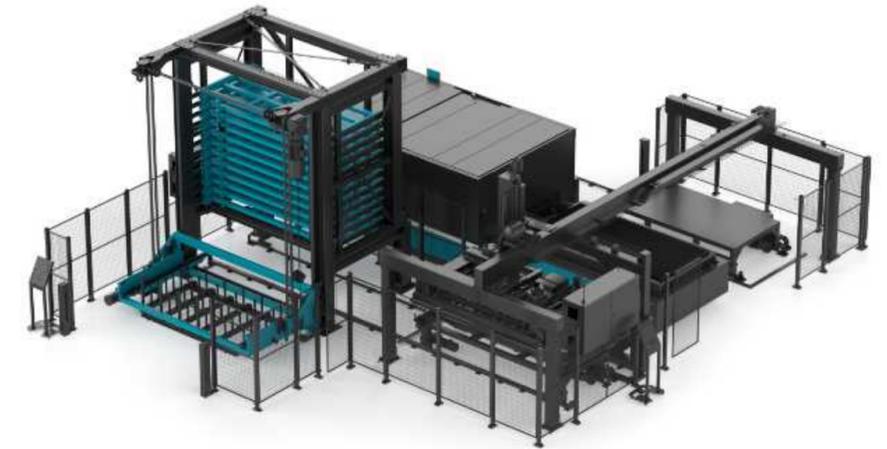
- 1 CNC-controlled mechanical deflection compensation technology ensures consistent bending quality.
- 2 The high-frequency response closed-loop hydraulic control technology offers outstanding speed, efficiency, and precision.
- 3 The "C" frame design provides a broader processing range and higher flexibility, accommodating complex shapes and sizes of workpieces.
- 4 The frame is integrally welded and undergoes CNC annealing to eliminate stress, ensuring precision and no deformation after processing.



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.



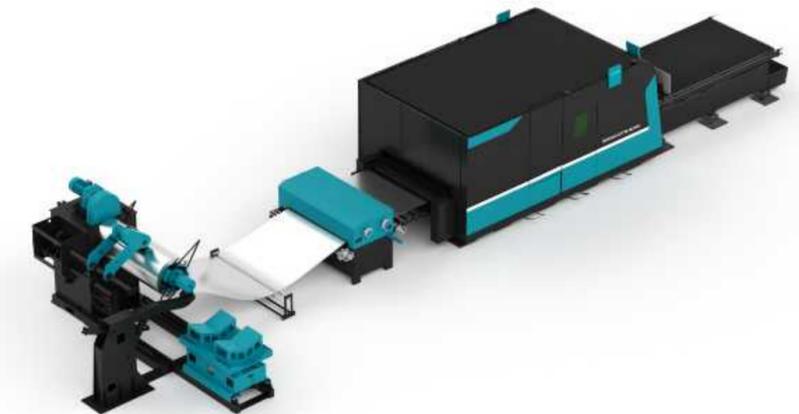
### D-Trans Automatic Loading and Unloading System

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	



## 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.



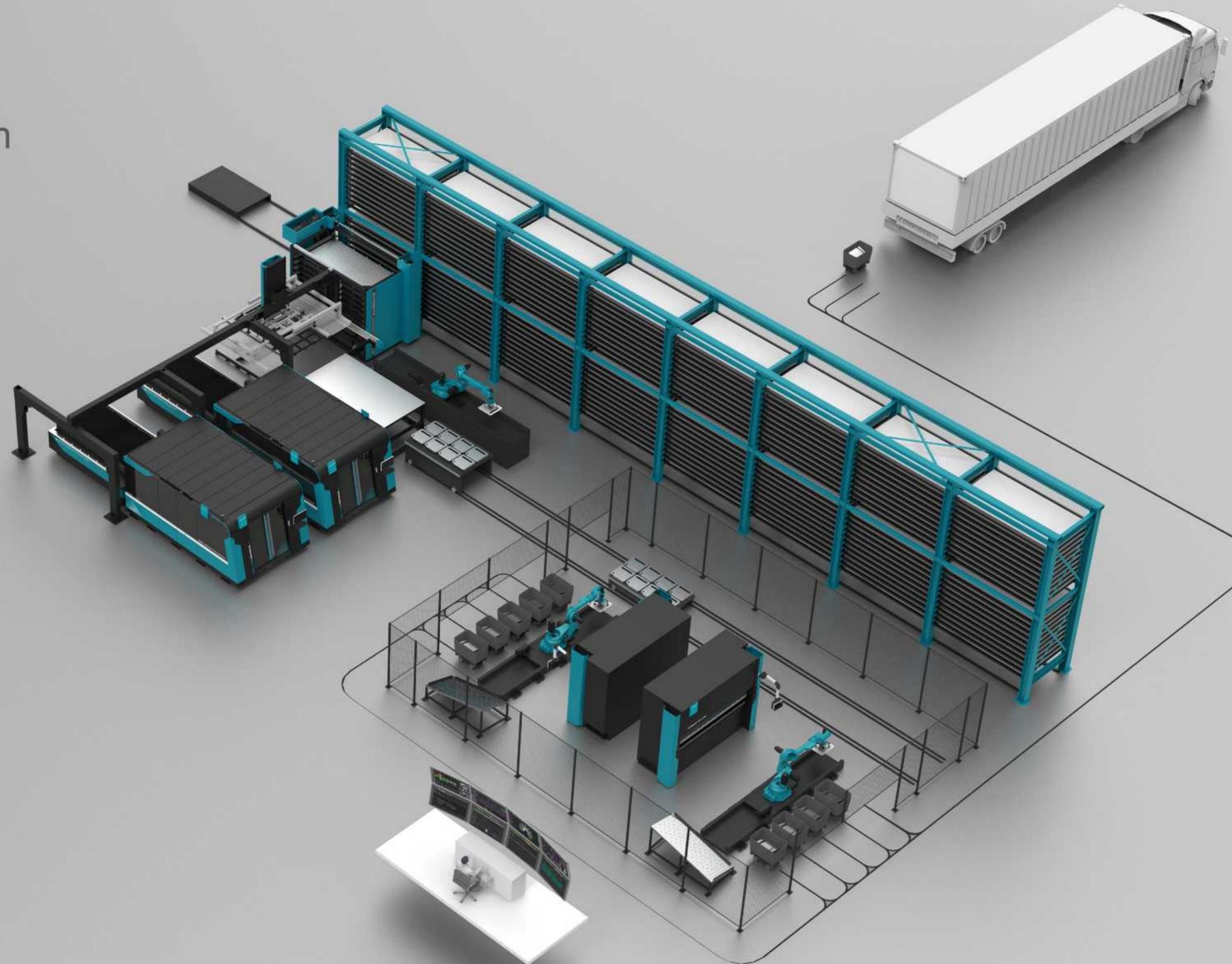
**D-Roller**  
Fiber Laser Cutting Machine with Coiler and Leveling System



### Technical Parameters

Feeding width	100-1500mm
Material thickness (Choose one out of four)	0.3-1.0 mm(Galvanized sheet, ordinary carbon steel); 0.3-0.5mm(Stainless steel) 0.5-2.0 mm(Galvanized sheet, ordinary carbon steel); 0.5-1.5mm(stainless steel) 0.8-3.0 mm(Galvanized sheet, ordinary carbon steel); 0.8-2mm(stainless steel) 1.0-5.0 mm(Galvanized sheet, ordinary carbon steel); 1.0-3.5mm(stainless steel)
Feeding length	9999.99mm (Digital adjustable)
Leveling roll	Upper 5 Lower 6 (Hard-chrome-plated) -11 rolls Upper 7 Lower 8 (Hard-chrome-plated) -15 rolls
Leveling flatness	11-roll: $\leq \pm 1.5\text{mm/m}^2$ 15-roll: $\leq \pm 1.0\text{mm/m}^2$
Feeding accuracy	$\pm 0.5\text{mm/m}$
Feeding speed	24m/min Maximum feeding speed
Maximum material width	1500mm

## 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.

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Automatic supply and turnover of material

---

Unattended automatic production

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Easy production process control

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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.

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## 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.

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## After-Sales Service

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