



Angel India Cad Cam Pvt. Ltd.

Angel India

D-Soar Plus-GP

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 strong ability of weigh-bearing and anti deviated load.

6 Customized smart software with easy operation.



Samples:



Technical Parameters

Model	D-Soar Plus-GP					
Laser Source	Fiber laser source					
Format (Customizable)	2040	2060	2560	2580	25120	
Power of Laser	10000W	12000W	15000W	20000W	30000W	40000W
Repositioning accuracy of X / Y axis	0.02mm					
Repositioning accuracy of A / B axis	0.01mm					
Power consumption of complete machine	≤80KW	≤100KW	≤130KW	≤150KW	≤180KW	≤280KW
Power supply	380V / 50Hz					
Footprint	15580*5670mm for cutting 2500*6000mm					



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D-Soar Plus-G

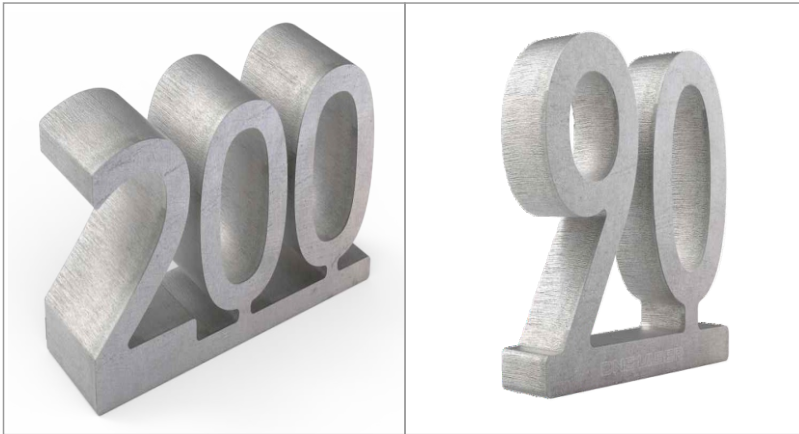
Ultra High-power High-speed
Fiber Laser Cutting Machine



- 1 Ultra-high power cutting head, By-Power, more intelligent and efficient.
- 2 Smart sensing and control system.
- 3 T-shape lightweight cutting bridge, soft speed acceleration and reduction, wear and tear reduction.
- 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.



Samples:



Technical Parameters

Model	D-Soar Plus-G					
Laser Source	Fiber laser source					
Format (可定制Customizable)	2040	2060	2560	2580	25120	
Power of Laser	10000W	12000W	15000W	20000W	30000W	40000W
Repositioning accuracy of X/Y axis	0.02mm					
Power consumption of complete machine	≤80KW	≤100KW	≤130KW	≤150KW	≤180KW	≤280KW
Power supply	380V / 50Hz					
Footprint	15580*5670mm for cutting 2500*6000mm					



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D-Soar

High-power
Fiber Laser Cutting Machine



1 European workmanship standard machine table.

2 Aviation aluminum gantry by die casting.

3 Self-owned core patented optical cutting head.

4 Independent dust extraction channel design.

5 Side sliding door design with sensors.

6 High precision constant temperature and humidity control system.

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Samples:



Technical Parameters

Model	D-Soar						
Laser Source	Fiber laser source (optional)						
Format (Customizable)	2040	2060	2560	2580	25120		
Power of Laser	4000W	6000W	8000W	10000W	12000W	15000W	20000W
Repositioning accuracy	0.02mm						
Max. Cutting Speed	Depending on the materia and its thickness						
Power consumption of complete machine	≤30KW	≤40KW	≤50KW	≤80KW	≤100KW	≤130KW	≤150KW
Power supply	380V / 50Hz						
Footprint	15580*5670mm for cutting 2500*6000mm						

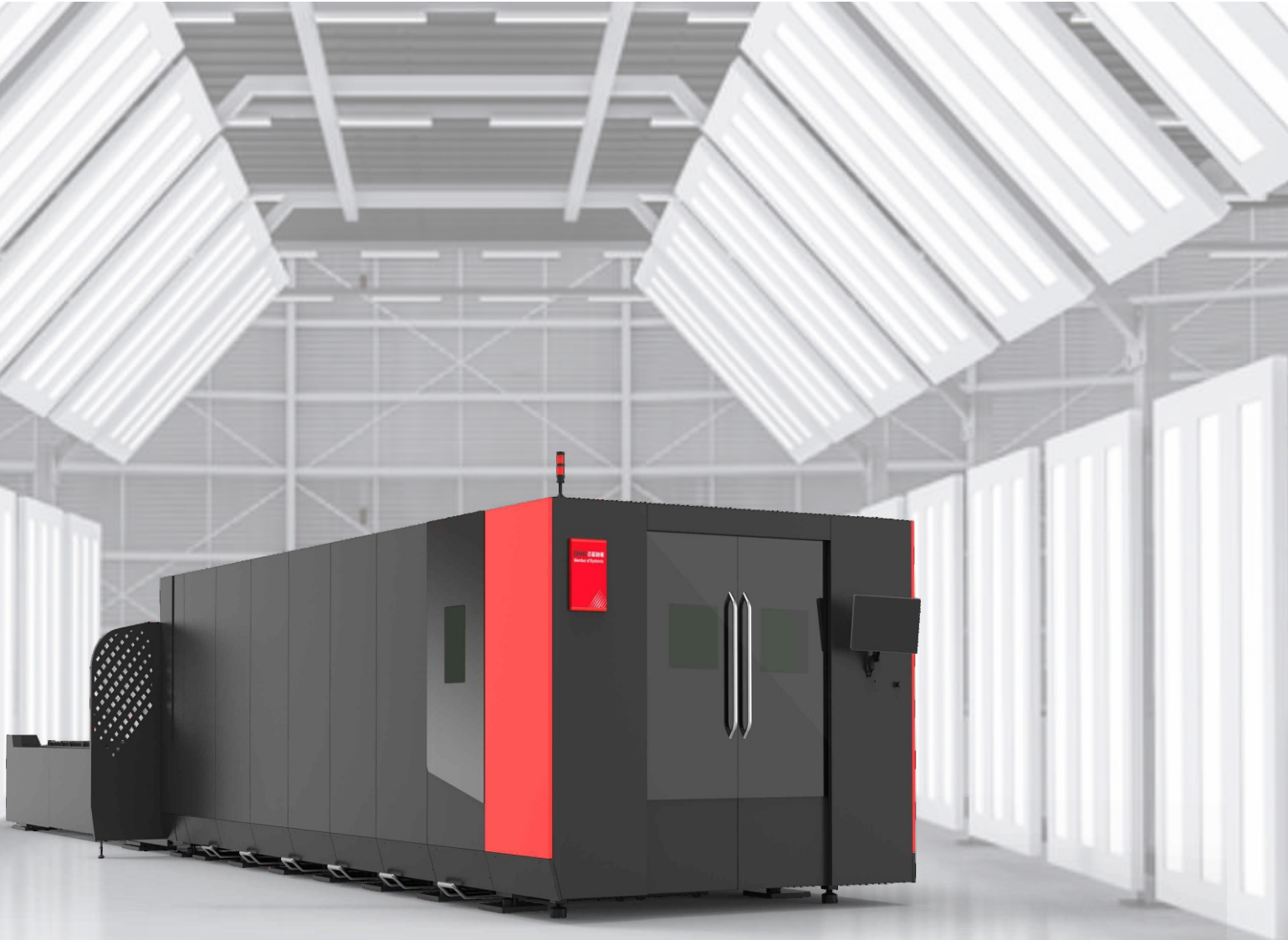


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D-Solar

Ultra High-power Fiber Laser Cutting Machine



1 High Efficiency

Equipped with a newly designed fiber laser cutting head, unique 8-channel water cooling system, 8-level sealing and self-owned optical beam cluster design.

2 High Intelligence

The ByMotion cutting system and DNE Power CAM offline programming nesting software tailored for D-Solar makes the operation more intelligent.

3 High Precision

Equipped with European standard machine tools, European transmission system and electrical control.

4 High Savings

Automatically control gas, save gas consumption, make full use of residual materials, and save a lot of material costs.



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Samples:



Technical Parameters

Model	D-Solar							
Laser Source	Fiber laser source (optional)							
Format (Customizable)	1530	1540	1560	2040	2060	2560	2580	25120
Power of Laser	4000W	6000W	8000W	10000W	12000W	15000W		
Repositioning accuracy	0.02mm							
Max. Cutting Speed	Depending on the materia and its thickness							
Power consumption of complete machine	≤30KW	≤40KW	≤50KW	≤80KW	≤100KW	≤130KW		
Power supply	380V / 50Hz							
Footprint	16500*5500mm for cutting 2000*6000mm							

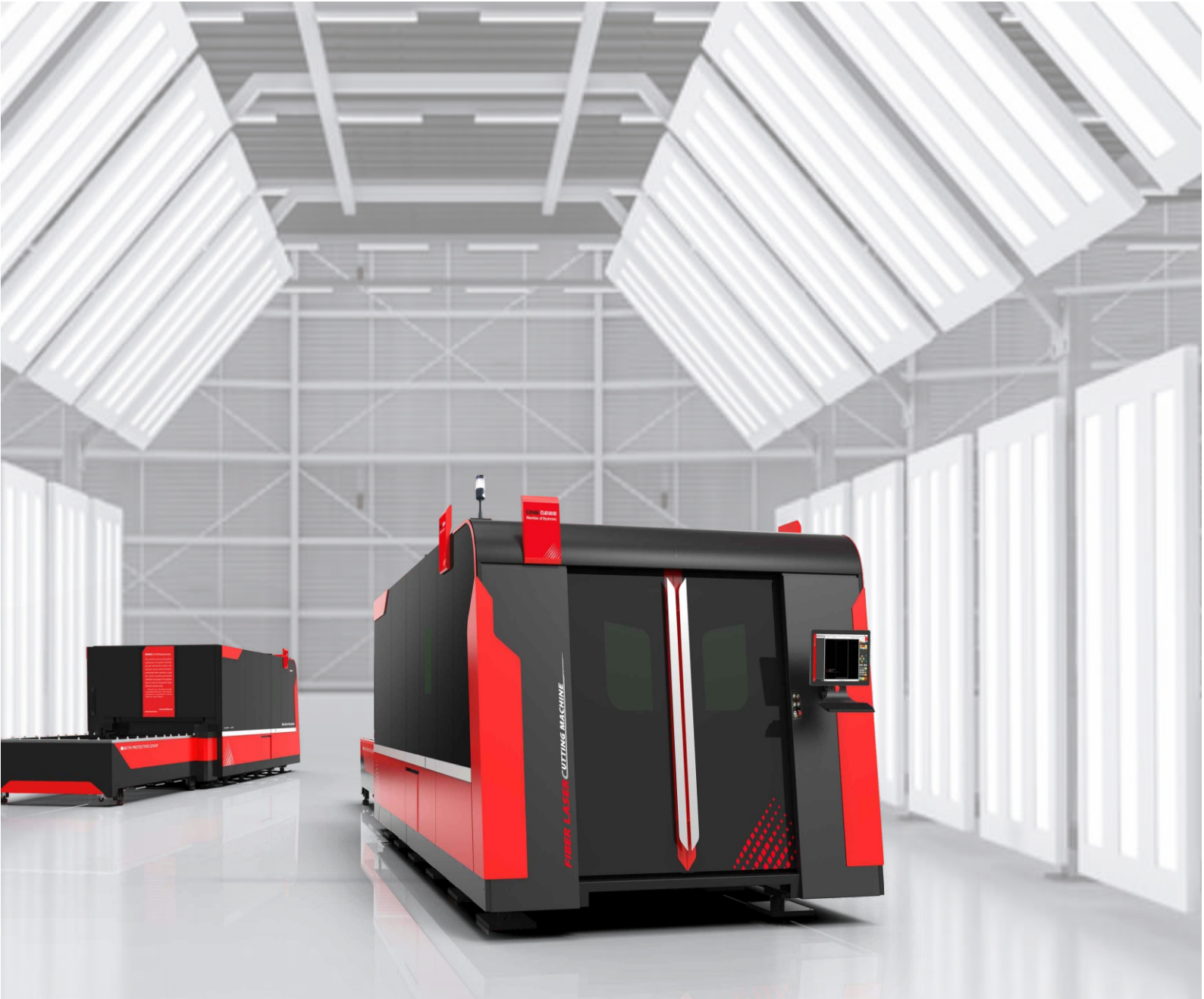


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D-Win

Fiber Laser Cutting Machine



1 European workmanship standard machine table.

2 Aviation aluminum gantry by die casting.

3 Self-owned core patented optical cutting head.

4 Independent dust extraction channel design.

5 Side sliding door design with sensors.

6 High precision constant temperature and humidity control system.

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Samples:



Technical Parameters

Model	D-Win							
Laser source	Fiber laser source (optional)							
Format (Customizable)	1530	1540	1560	2040	2060	2560	2580	25120
Power of laser	3000W	4000W	6000W	8000W	10000W	12000W	15000W	
Repositioning accuracy	0.02mm							
Max. Cutting Speed	Depending on the materia and its thickness							
Power consumption of complete machine	≤24KW	≤30KW	≤40KW	≤50KW	≤80KW	≤100KW	≤130KW	
Power supply	380V / 50Hz							
Footprint	15580*5670mm for cutting 2500*6000mm							



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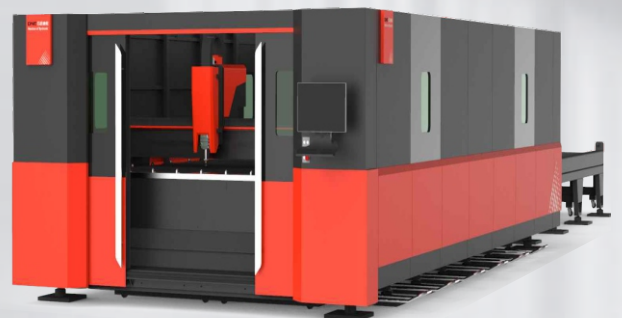
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D-Energy

Fiber Laser Cutting Machine



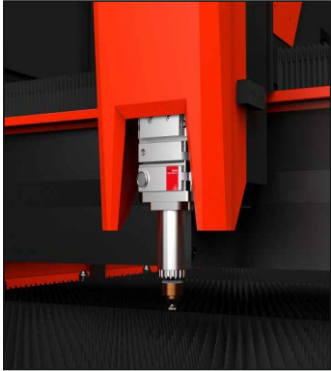
- 1 Innovative design
- 2 Steady structure
- 3 Lasting drive
- 4 Safe protection
- 5 Easy operation
- 6 Convenient extension



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Samples:



Technical Parameters

Model	D-Energy							
Laser source	Fiber laser source (optional)							
Format (Customizable)	1530	1540	1560	2040	2060	2560	2580	25120
Power of laser	3000W	4000W	6000W	8000W	10000W	12000W	15000W	
Repositioning accuracy	0.02mm							
Max. Cutting Speed	Depending on the materia and its thickness							
Power consumption of complete machine	≤24KW	≤30KW	≤40KW	≤50KW	≤80KW	≤100KW	≤130KW	
Power supply	380V / 50Hz							
Footprint	15580*5670mm for cutting 2500*6000mm							

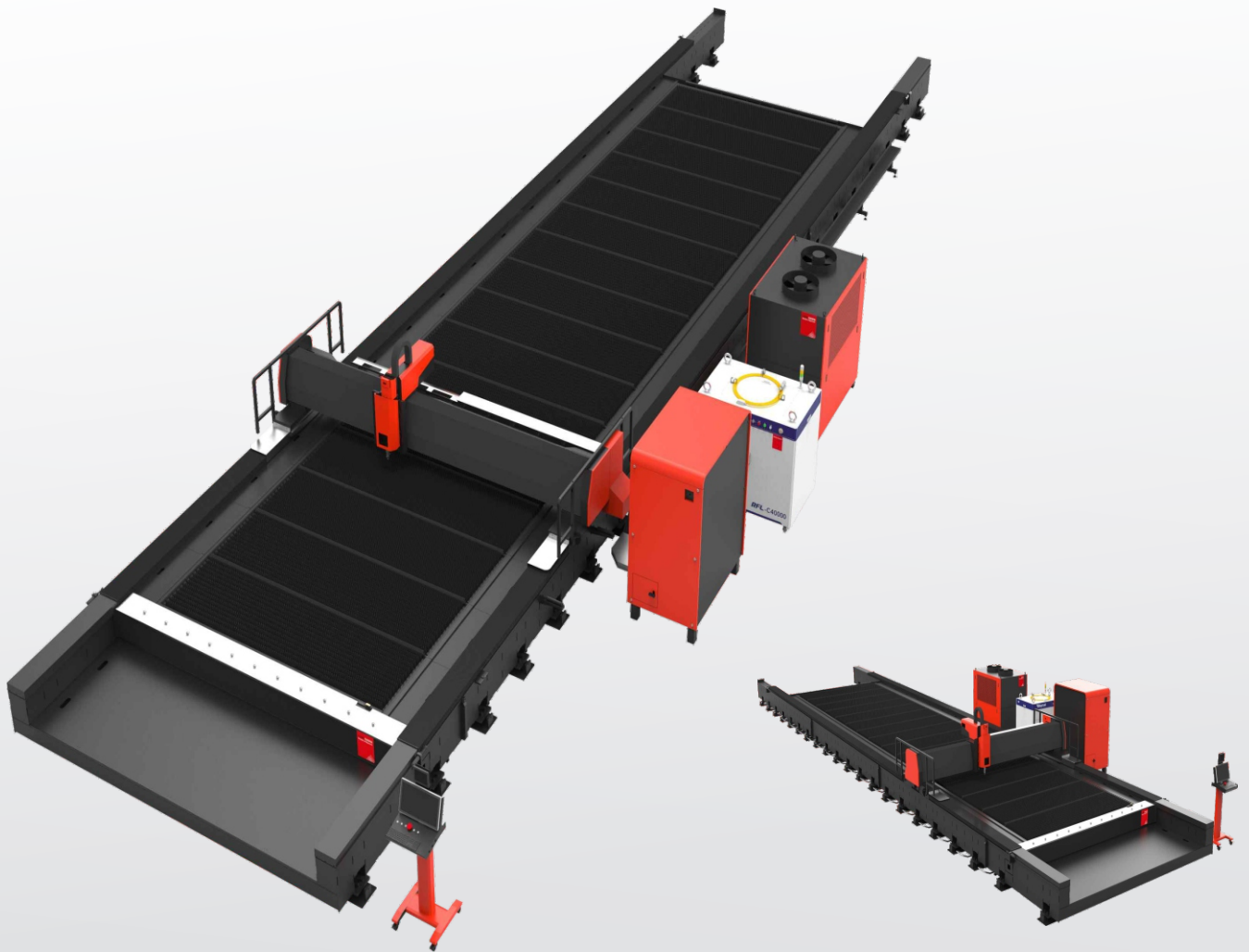


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D-Giant

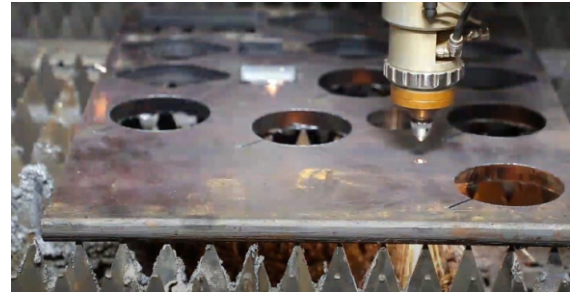
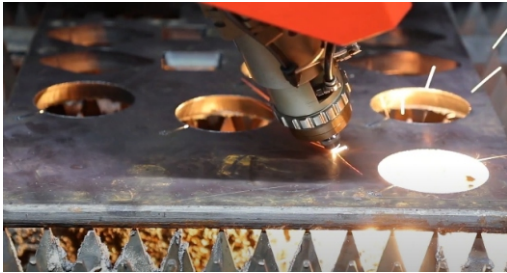
Big Size Ground-rail Fiber Laser Cutting Machine



- 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 Good air exhaust effect by segmented exhaust.
- 6 Can upgrade to match mechanical arm, bending and welding equipment, etc.



Samples:



Technical Parameters

Model	D-Giant								
Laser source	Fiber laser source (optional)								
Format (Customizable)	Width: 3m, 3.5m, 4m, 4.5m, 5m				Length: 12m, 16m, 18m, 24m, 32m, 36m (Customizable)				
Power of laser	4000W	6000W	8000W	10000W	12000W	15000W	20000W	30000W	40000W
Repositioning accuracy	0.05mm/10m								
Max. Cutting Speed	Depending on the materia and its thickness								
Power consumption of complete machine	≤40KW	≤50KW	≤80KW	≤100KW	≤130KW	≤150KW	≤180KW	≤280KW	
Power supply	380V / 50Hz								

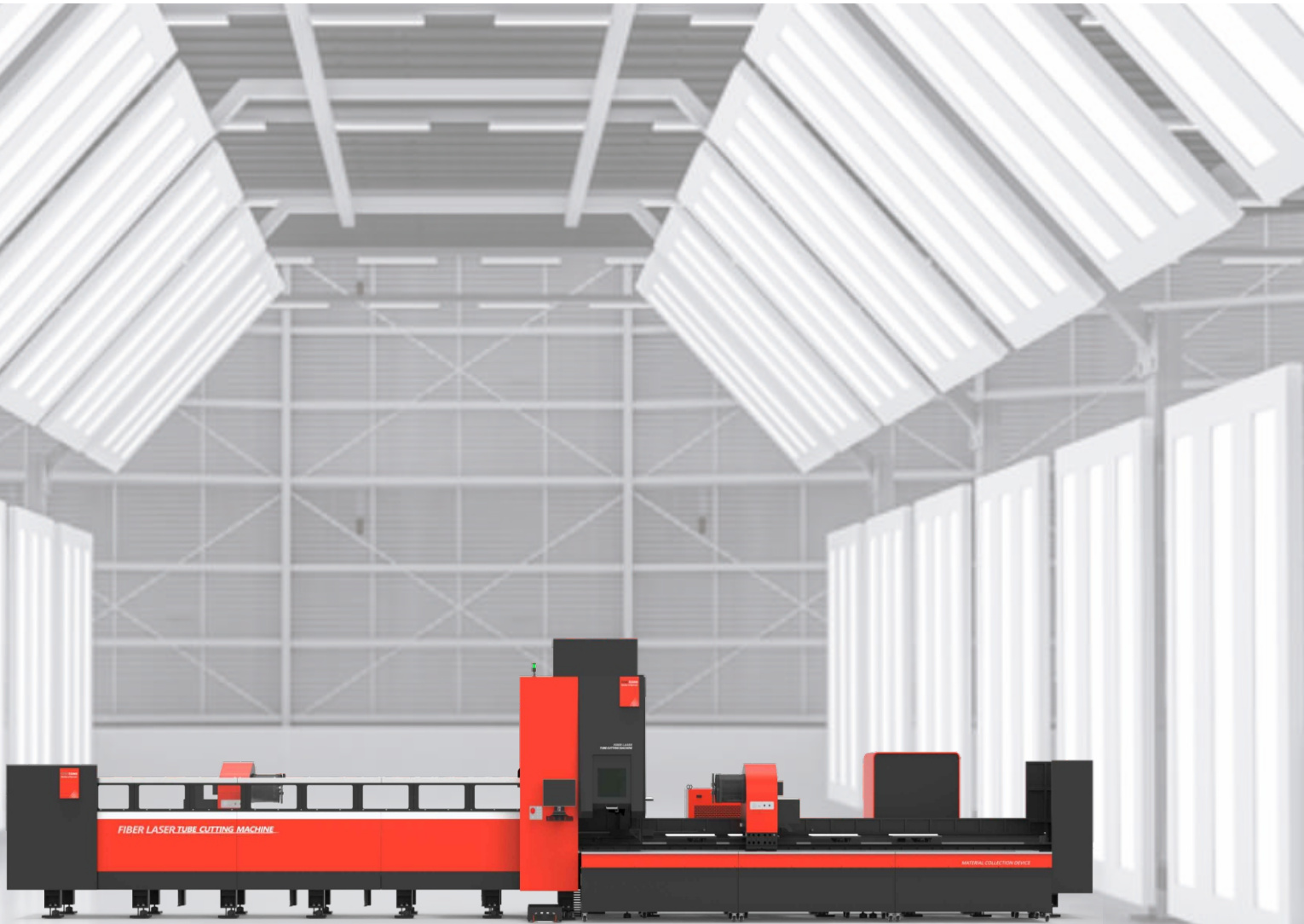


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D-Tube

Fiber Laser Tube Cutting Machine



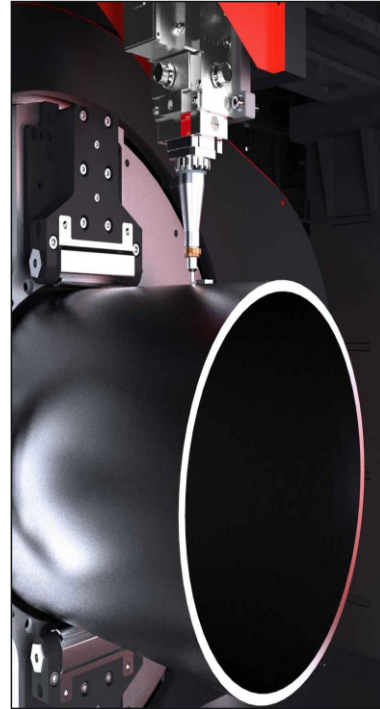
- 1 Applicable in processing diameter 380mm heavy-duty tubes.
- 2 Multi-points heavy-duty centering chuck, steadily clamping and processing heavy-duty tubes.
- 3 Open machine table design, conforming to working height required by ergonomics.
- 4 Adopting horizontal machine table design, correct gravity direction ensuring more accurate process precision.
- 5 Advanced sensing system and flexible follow-up device helping smooth production.
- 6 Three chucks making automatic switching cutting and realizing zero tailing basically.



Samples:



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Technical Parameters

Laser source	Fiber laser source (optional)
Pipe diameter range	Circular tube: ϕ 50mm- ϕ 380mm Square tube: 35x35mm-270x270mm
Power of laser	2000-6000W
Maximum feeding length	6m/9m/12m
Maximum cutting processing length	6m/9m/12m
Maximum loading capacity per tube	160kg/m
X, Y-axis repeated positioning accuracy	\pm 0.03mm\1000mm
Maximum positioning speed of rotating U-axis	\leq 5 arc minutes
Power supply	380V / 50Hz
Operating temperature of machine tool	20°C-40°C



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D-Tube ECO

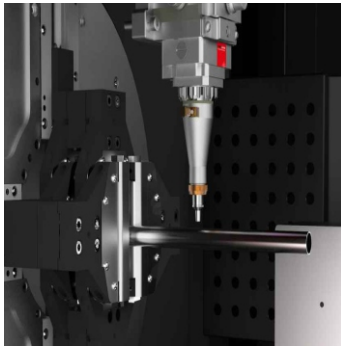
Fiber Laser Tube Cutting Machine



- 1 Applicable in cutting carbon steel, stainless steel, aluminum and other metal material rectangular pipe, oval pipe and other shaped pipe cutting.
- 2 Fully automatic centering chuck, good sealing and movement characteristics, stable clamping.
- 3 High cutting quality, precision, speed and efficiency.
- 4 Tube-supporting rollers adjusted for different diameters.
- 5 Low use cost and quick return on investment.



Samples:



Technical Parameters

Laser source	Fiber laser source (optional)
Pipe diameter range	Circular tube: ϕ 15mm- ϕ 220mm Square tube: 15x15mm-145x145mm
Power of laser	2000-6000W
Maximum feeding length	6m
Maximum cutting processing length	2m
Maximum loading capacity per tube	\leq 30kg/m (180Kg)
X, Y-axis repeated positioning accuracy	\pm 0.03mm\1000mm
Maximum positioning speed of rotating U-axis	\leq 5 arc minutes
Power supply	380V / 50Hz
Operating temperature of machine tool	20°C-40°C



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C-Bend

Professional CNC Press Brake



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.

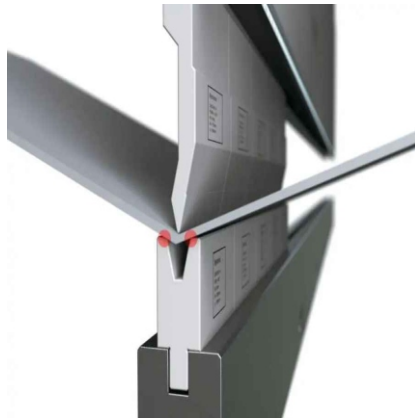
4 High-speed, high-precision, high-reliability rear positioning system.

5 High cost-effective, fast return on investment.

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Samples:



Technical Parameters

Index	Unit	C-Bend 80/2100	C-Bend 100/3100	C-Bend 160/3100
Bending force	kN	800	1000	1600
Bending length	mm	2100	3100	3100
Cylinder stroke	mm	200	200	250
Opening height	mm	500	500	550
Throat depth	mm	410	410	410
Side plate spacing	mm	1700	2500	2510
X axis travel	mm	500	500	500
Maximum speed of X axis	mm/s	0.05	0.05	0.05
X axis accuracy	mm/s	400	400	400
R axis travel	mm	100	100	100
R axis maximum speed	mm/s	100	100	100
R axis accuracy	mm/s	0.05	0.05	0.05



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V-Bend

Professional CNC Press Brake

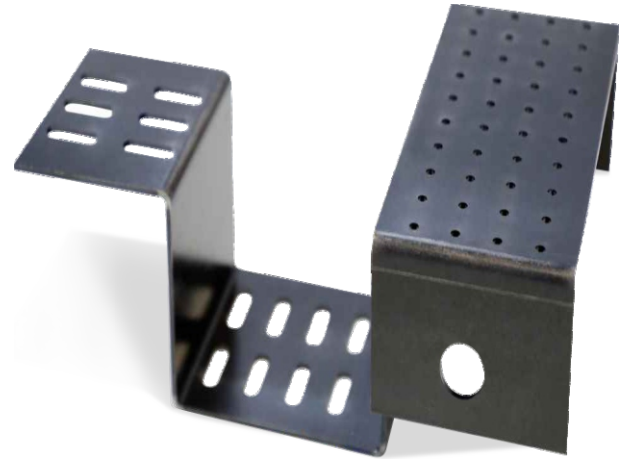
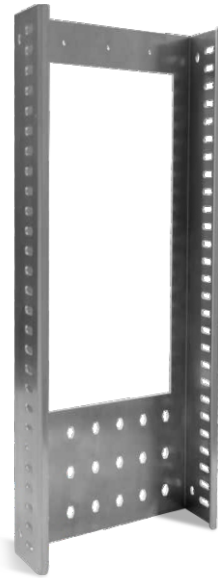
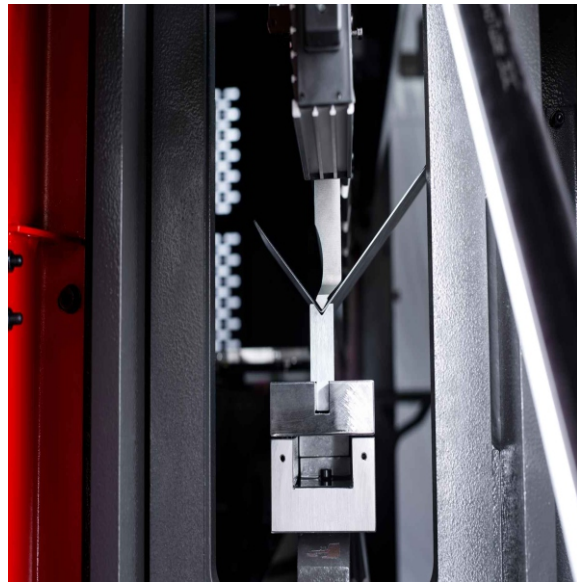


- 1 The closed O-frame design guarantees high machine rigidity and offers ample space for applications along the entire bending length.
- 2 High-frequency closed-loop hydraulic control technology, faster, more efficient, more stable precision.
- 3 CNC control of mechanical deflection compensation technology 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.

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Samples:



Technical Parameters

Index	单位 Unit	V-Bend 50/1050	V-Bend 80/2100	100/3100	V-Bend 160/3100
Bending force	kN	500	800	1000	1600
Bending length	mm	1050	2100	3100	3100
Cylinder stroke	mm	200	200	250	250
Opening height	mm	500	500	550	550
Side plate spacing	mm	1100	2150	3150	3150
X axis travel	mm	300	500	500	500
Maximum speed of X axis	mm/s	0.05	0.05	0.05	0.05
X axis accuracy	mm/s	400	400	400	400
R axis travel	mm	100	100	100	100
R axis maximum speed	mm/s	100	100	100	100
R axis accuracy	mm/s	0.05	0.05	0.05	0.05