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www.machnist.com

MACHNIST MACHINE TOOL CO., LTD.

ADD: No, 120, Yangmaogang Natural Village, Sanyang Village, Bowang Town, Bowang District, Maanshan City, Anhui Province, China

Email: info@machnist.com,

Demi@machnist.com, Alan@machnist.com

Phone: Demi-(+86) 15055776503,

Alan -(+86) 19955530940.



- ⊙ Press Brake
- ⊙ Hydraulic Shearing
- ⊙ Laser Cutting
- ⊙ Laser Welding
- ⊙ Laser Marking

*For value seekers
for performance pursuers.*



MACHNIST MACHINE TOOL CO., LTD.

www.machnist.com

About Us



MACHNIST is a professional manufacturer of press brakes and fiber laser cutting machines, located in Ma'anshan, Anhui, China, a major hub for sheet metal machinery.

The company focuses on reliable machine design, precise performance, and practical solutions for metal fabrication.

Manufacturing Capabilities



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01 / Press Brake

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- Hydraulic NC Press Brake Proportional Valve Synchronized-ECO
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Hydraulic NC Press Brake

Torsion Bar Synchronized

TorBend NC



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Popular Model:

- E21 2axis (X Y), Manual Crowning
- Estun E315p 3axis (X Y R),Auto Crowning
- TP10S: 4axis (X Y1 Y2 R),Auto Crowning

Features:

- Mechanical torsion bar ensures synchronization of both cylinders
- Simple structure with reliable and stable operation
- Low maintenance cost and high cost-performance ratio
- Easy to operate, suitable for basic and batch bending tasks
- Limited precision and flexibility compared to advanced synchronization systems

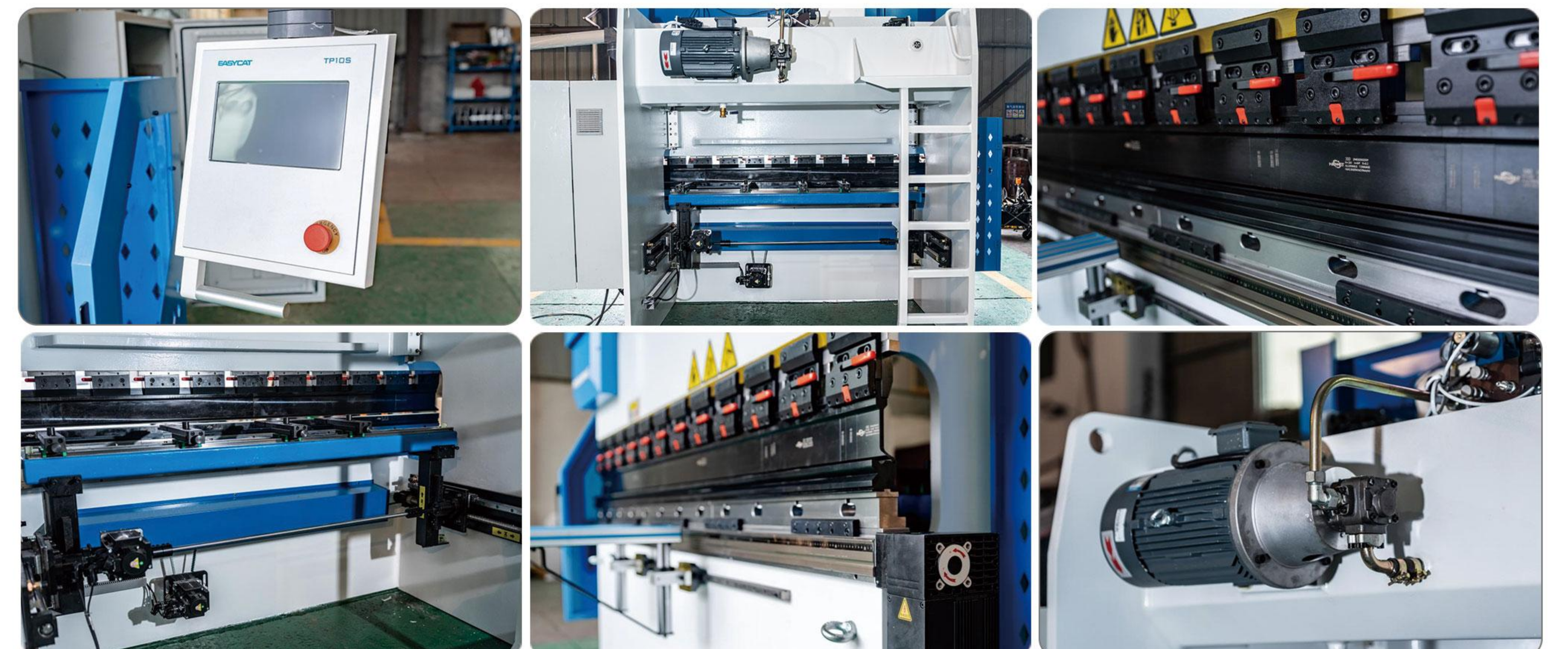
Technical Parameter

Model	Force (kN)	Bend Len (mm)	Stroke (mm)	Throat (mm)	Daylight (mm)	L×W×H (mm)
40T/1600	400	1600	100	200	320	1650×1200×1700
80T/2500	800	2500	120	250	350	2500×1400×2150
100T/3200	1000	3200	160	320	420	3200×1500×2300
125T/3200	1250	3200	160	320	420	3200×1600×2350
160T/3200	1600	3200	200	350	470	3200×1650×2800
200T/3200	2000	3200	200	350	470	3200×1650×2800
250T/4000	2500	4000	250	400	580	4000×2100×3150
300T/4000	3000	4000	250	400	580	4000×2200×3200

Application Range

- 30T × 1600 mm to 300T × 4000 mm
- Suitable for small to medium tonnage and standard bending lengths
- Ideal for applications with low to medium accuracy requirements

Physical Display



Hydraulic CNC Press Brake

Proportional Valve Synchronized

ECO



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Application Range

- 340T × 1600 mm and above
- Suitable for medium to large tonnage and higher bending accuracy requirements
- Widely used in precision sheet metal fabrication

Features:

- Electro-hydraulic synchronization with proportional valves and linear scales
- High bending accuracy and repeatability
- Stable performance under continuous and heavy-duty operation
- Higher flexibility and precision compared to torsion bar systems

Technical Parameter

Model	Force (kN)	Bend Len (mm)	Oil Tank (L)	Approach Spd (mm/s)	Frame Dist (mm)	Throat (mm)	Stroke (mm)	Daylight (mm)	Weight (t)	L×W×H (mm)
50T/1300	500	1300	170	160	1120	250	150	460	4	1800×1500×2300
80T/2500	800	2500	170	220	2050	300	150	460	6	3100×1600×2600
110T/3200	1100	3200	170	220	2700	400	200	480	7.6	3800×1800×2600
135T/3200	1350	3200	170	220	2700	400	200	480	9	3800×1800×2700
170T/3200	1700	3200	300	160	2700	450	200	480	11.3	3800×2000×2800
220T/3200	2200	3200	300	160	2600	450	200	480	12.8	3800×2200×2850
250T/4000	2500	4000	460	100	3100	450	250	540	17.8	4300×2100×3100
300T/4000	3000	4000	650	80	3100	500	250	570	20.3	4300×2500×3400

Standard Configuration

- ▶ Controller: Delem DA53TX, ESA S840, Cybelec CT12
- ▶ Control Axis: 4axis X Y1 Y2 R
- ▶ Crowning: Auto
- ▶ Punch: Euro Type
- ▶ Die: Rail Die Double V: V8 /12
- ▶ Proportional Valve: Rexroth
- ▶ Grating Ruler: Givi
- ▶ Servo Motor: Inovance/Estun

Physical Display



Hydraulic CNC Press Brake

Proportional Valve Synchronized

PRO



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Features:

Compared to standard 4+1 axis press brakes, the 8+1 axis system with WILA-style clamping and 3D programming delivers higher bending flexibility, greater accuracy, faster setup, and significantly reduced trial bending—ideal for complex parts and efficient batch production.

Technical Parameter

Model	BL (mm)	Force (T)	DBS (mm)	Open (mm)	Stroke (mm)	Throat (mm)	Close (mm/s)	Work (mm/s)	Return (mm/s)	L×W×H (mm)
130T×2500	2500	130	2100	500	250	400	180	13	150	3100×1500×2750
130T×3200	3200	130	2600	500	300	400	180	13	150	3800×1500×2750
170T×3200	3200	170	2600	500	300	400	120	12	120	3800×1650×2750
200T×3200	3200	200	2600	500	300	400	120	13	135	3800×1750×2850
200T×4000	4000	200	3300	500	300	400	120	13	135	3800×1750×3000
250T×4000	4000	250	3300	500	300	400	110	10	120	4600×1750×3000

Standard Configuration

- ▶ Delem DA69S/ Esa S875 Dual Screen
- ▶ 3D Graphical Programming
- ▶ 3D Offline Software
- ▶ Back Gauge: 6 axis (X1 X2 Z1 Z2 R1 R2)
- ▶ Full Cover Sheet Metal
- ▶ Extended Ram Stroke: 300mm
- ▶ DSP 5 Points Laser Protection
- ▶ Wila Hydraulic Clamp & Die Holder
- ▶ Multi-point Auto Compensation Crowning
- ▶ Tooling: Wila Type

Physical Display



Hydraulic CNC Press Brake

Servo Pump Synchronized

MAX



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Features :

- Integrated drive and cylinder design for easy installation
- Up to 10% faster cycle time
- Positioning accuracy up to 5 μm
- Energy savings up to 50% vs. conventional hydraulic systems
- Low oil volume, reduced leakage risk
- Quiet operation in all working modes
- Lower installation and maintenance costs

Technical Parameter

Model	BL (mm)	Force (T)	Frame Dist	Open (mm)	Stroke (mm)	Throat (mm)	Down Spd	Work Spd	Return Spd	L×W×H (mm)
130T2500	2500	1300	2100	500	250	400	150	12	150	3100×1500×2750
130T3200	3200	1300	2600	500	300	400	150	12	150	3800×1500×2750
170T3200	3200	1700	2600	500	300	400	150	12	150	3800×1650×2750
200T3200	3200	2000	2600	500	300	400	120	13	135	3800×1750×2850
200T4000	4000	2000	3300	500	300	400	120	13	135	3800×1750×3000
250T4000	4000	2500	3300	500	350	400	180	15	180	4600×1750×3000

Standard Configuration

- ▶ Delem DA69S/ Esa S875 Dual Screen
- ▶ 3D Graphical Programming
- ▶ 3D Offline Software
- ▶ Back Gauge: 6 axis (X1 X2 Z1 Z2 R1 R2)
- ▶ Full Cover Sheet Metal
- ▶ Extended Ram Stroke: 300mm
- ▶ DSP 5 Points Laser Protection
- ▶ Wila Hydraulic Clamp & Die Holder
- ▶ Multi-point Auto Compensation Crowning
- ▶ Tooling: Wila Type

ePRAX® Control Technology

The servo-hydraulic hybrid press control system combines hydraulic power with servo efficiency, offering a balanced solution between traditional hydraulic and full servo press brakes, with a compact design and low leakage risk.



Full Electric CNC Press Brake

Servo Driven

Ultra - E



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Application Range

- Suitable for thin sheet metal and high-precision bending
- Ideal for clean, low-noise, and energy-efficient production environments

Features:

- Fully electric servo-driven ball screw system
- High positioning accuracy and excellent repeatability
- No hydraulic oil, environmentally friendly and low maintenance
- Fast cycle time and precise control
- Limited tonnage compared to hydraulic press brakes

Technical Parameter

Model	BL (mm)	Force (T)	Frame Dist	Open (mm)	Stroke (mm)	Throat (mm)	Down Spd	Work Spd	Return Spd	L×W×H (mm)
850-25T	850	250	900	450	150	250	200	20	200	1750×1500×2450
1250-35T	1250	350	1050	450	150	250	200	20	200	1800×1350×2450
1300-45T	1300	450	900	450	100	250	200	20	200	1850×1350×2450
2000-45T	2000	450	1600	450	100	250	200	20	200	2550×1350×2450
2050-60T	2050	600	1600	500	200	250	200	20	200	2600×1450×2550
2550-85T	2550	850	2100	500	200	400	200	20	200	3100×1650×2600
3200-100T	3200	1000	2600	500	200	400	200	20	200	3750×1700×2600

Standard Configuration

- ▶ Controller: Syntec/ Delem
- ▶ Backgauge: 4axis X Y Z1 Z2
- ▶ Servo: Inovance
- ▶ Reducer: Shimpo-Nidec
- ▶ Grinding Screw: Raien

Physical Display



Hydraulic Shearing Machine Swing Beam

Max Cut 25mm

QC12K



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Advantages:

- Simple structure with stable operation and low maintenance cost
- High cutting speed and efficiency, ideal for mass production
- Suitable for thin and medium-thickness sheet metal
- High cost-performance and wide application range

Technical Parameters (Selected Models Only)

Model	Cutting Thickness (mm)	Cutting Width (mm)	Oil Tank (L)	Stroke (times/min)	Backgauge Range (mm)	Cutting Angle (°)	Main Power (kW)	Weight (Ton)	Dimensions (L×W×H mm)
4×2500	4	2500	140	33	20-650	1.5	7.5	4	3035×1570×1720
4×3200	4	3200	190	15	20-650	1.5	7.5	5.5	3750×1640×1850
6×3200	6	3200	190	12	20-650	1.5	7.5	6.5	3750×1650×1800
6×4000	6	4000	190	9	20-800	1.5	7.5	8.7	4550×2000×1950
8×4000	8	4000	190	9	20-800	1.5	15	8.8	4560×1960×1920
10×4000	10	4000	400	8	20-800	1.5	22	12	4700×2100×2200
12×4000	12	4000	400	8	20-800	1.75	22	13.8	4700×2285×2180
16×4000	16	4000	600	8	20-800	1.75	22	17.8	4705×2575×2200
20×3200	20	3200	500	7	20-800	2.5	30	16	4150×2600×2500
25×3200	25	3200	600	5	20-800	3	37	24	4200×2700×3000

Main Configuration

- Controller: Estun E21
- Motor: Siemens
- Front Support: Ball Integrated
- Backgauge: Ball Screw & Linear Guide
- Lubrication Device
- Hydraulic Valve: Rexroth
- Electric: Schneider
- CE Certified
- Compression Tube Fitting
- Sunny Oil Pump

Actual product



Hydraulic Shearing Machine Guillotine Type

Max Cut 40mm

QC11K



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Advantages:

- High cutting accuracy with straight and clean cutting edges
- Minimal plate deformation, suitable for precision applications
- Better performance for thick plates and high-strength materials
- Excellent stability for heavy-duty and high-end applications

Technical Parameter:(Commonly Used)

Model	Cutting Thickness (mm)	Cutting Width (mm)	Oil Tank (L)	Stroke (times/min)	Backgauge Range (mm)	Cutting Angle (°)	Main Power (kW)	Weight (Ton)	Dimensions (L×W×H mm)
6×3200	6	3200	300	14-20	20-800	30'-1°30'	7.5	6.8	3900×1950×2075
8×3200	8	3200	300	11-18	20-800	30'-1°30'	11	7	3850×2050×2100
8×4000	8	4000	340	9-16	20-800	30'-1°30'	15	10.8	4650×2100×2400
12×3200	12	3200	405	9-18	20-800	30'-2°	22	10.2	3900×2070×2315
12×4000	12	4000	405	8-16	20-800	30'-2°	22	12.5	4800×2150×2460
16×4000	16	4000	595	7-15	20-800	30'-2°30'	22	15.5	4800×2130×2550
20×6000	20	6000	1500	5-11	20-1000	30'-3°	30×2	43	7000×2850×3350
25×4000	25	4000	1200	5-8	20-800	30'-3°30'	45	27	4900×2800×3190
30×4000	30	4000	1400	3-7	20-1000	30'-3°30'	55	36	5200×2600×3350
40×2500	40	2500	1370	4-8	20-1000	30'-4°	55	38	4000×2950×3150

Upgrade from E21 to DAC360 CNC MODEL

- The DAC360 controller, upgraded from the E21 system, features standard servo motor control, delivering higher precision, faster response, and more intelligent cutting performance.



Controller:
Delem DAC360 CNC



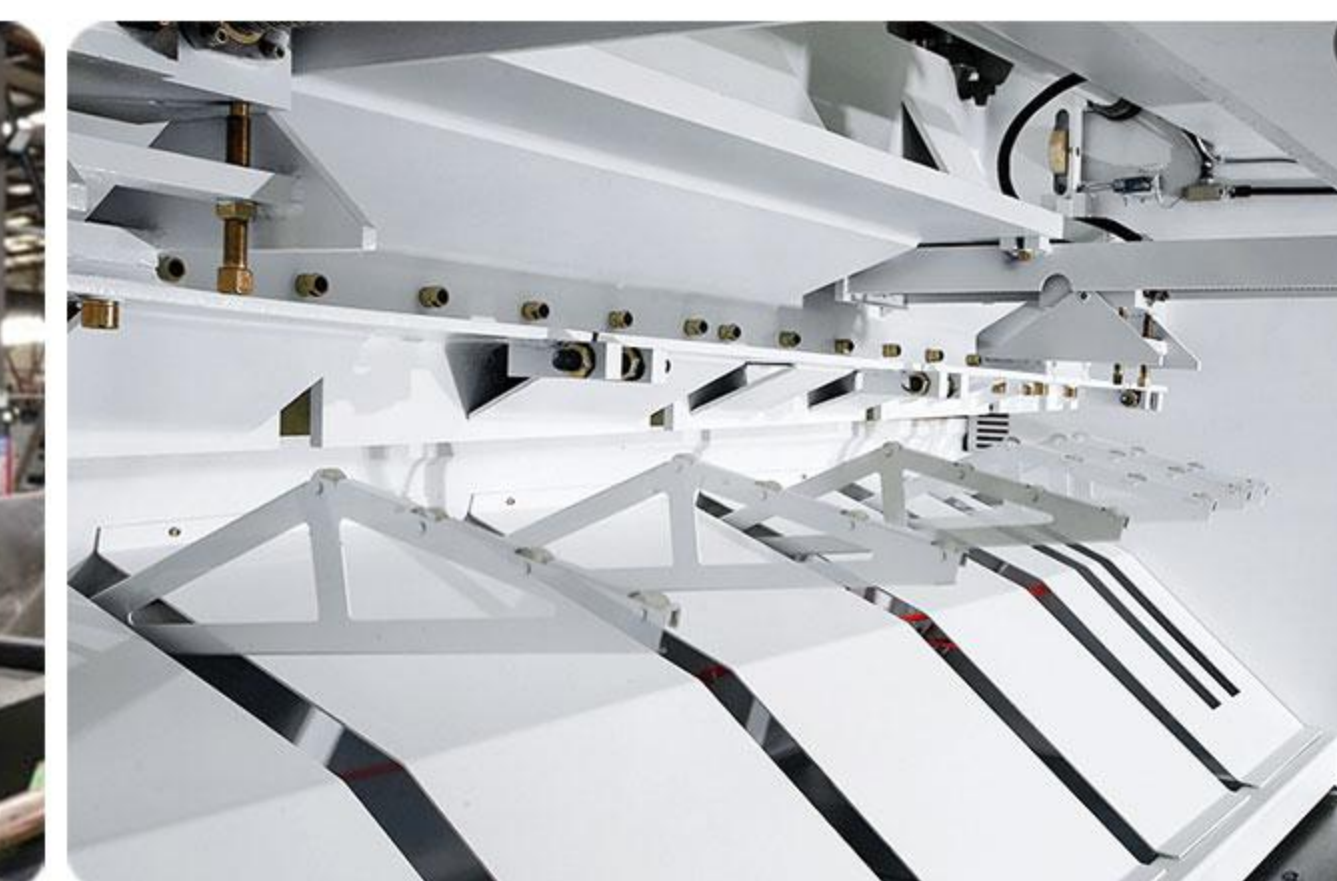
Automatic adjustment of
shear angle



Light Curtain Protection



Oil Chiller



Pneumatic rear support



Shearing Blade: 6CrW2Si

Basic single plane laser cutting machine

1500W-6000W

3015	3000mm*1500mm
4015	4000mm*1500mm
4020	4000mm*2000mm
6015	6000mm*1500mm
6025	6000mm*2500mm



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Model features

Deformation-free cutting of stainless steel, carbon steel, copper plate, aluminum plate, etc.
 Fast cutting speed, high precision, continuous cutting for a long time.
 Hole punching, slotting, cutting graphics, etc.
 Good beam quality, no burr, no slag, no black edge, no need for secondary processing
 Narrowest cutting seam, minimum heat-affected zone, minimal local deformation of the workpiece.

Technical Parameters

Model	3015/4015/4020/6015/6025
Working area	3000mm*1500mm/4000mm*1500mm/4000mm*2000mm 6000mm*1500mm/6000mm*2500mm
Power	1500W, 2000W, 3000W, 6000W
Max acceleration	1.0G
Max positioning speed	100m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Focusing way	Automatic

Product Configuration

- Feeding aids
- Self-Centering Feet
- CypCut System
- Welded one-piece bed
- Aviation Aluminum Beam

Processing samples



Classic single plane laser cutting machine

1500W-30000W

3015	3000mm*1500mm
4015	4000mm*1500mm
4020	4000mm*2000mm
6015	6000mm*1500mm
6025	6000mm*2500mm



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Model features

Deformation-free cutting of stainless steel, carbon steel, copper plate, aluminum plate, etc.
 Fast cutting speed, high precision, continuous cutting for a long time.
 Hole punching, slotting, cutting graphics, etc.
 Good beam quality, no burr, no slag, no black edge, no need for secondary processing
 Narrowest cutting seam, minimum heat-affected zone, minimal local deformation of the workpiece.

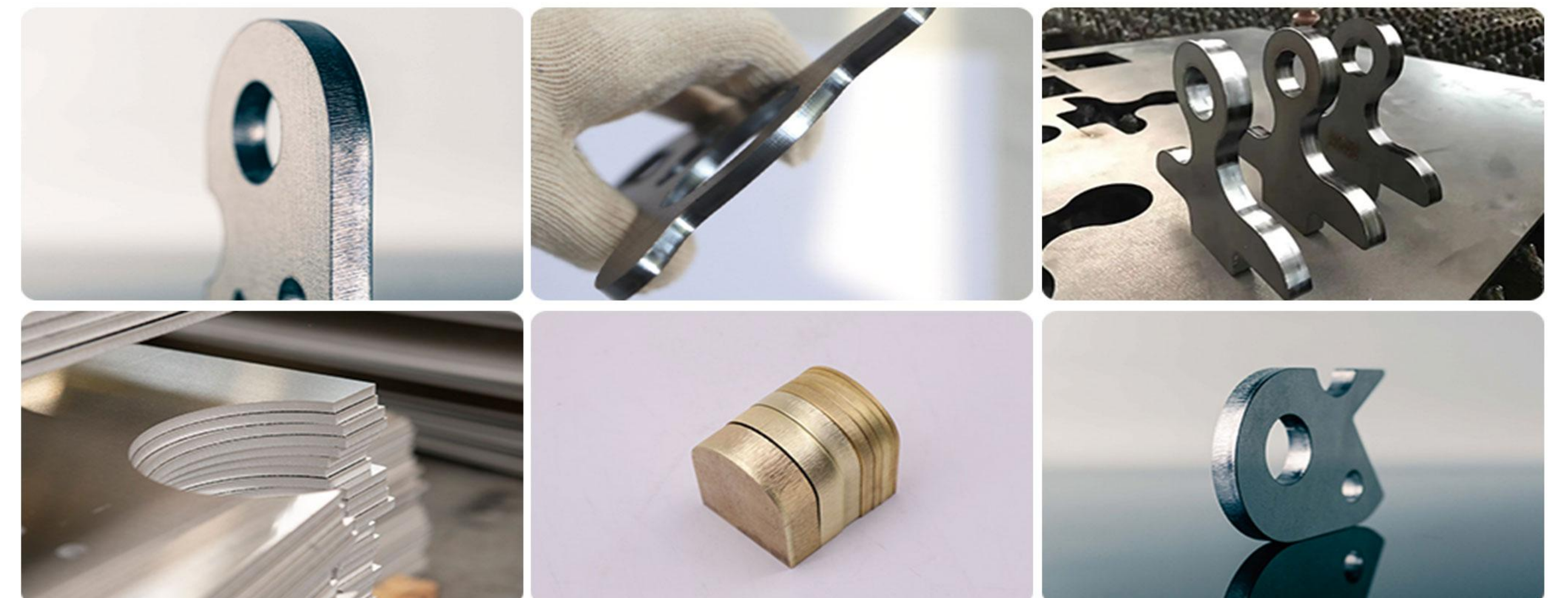
Technical Parameters

Model	3015/4015/4020/6015/6025
Working area	3000mm*1500mm/4000mm*1500mm/4000mm*2000mm 6000mm*1500mm/6000mm*2500mm
Power	1500W, 2000W, 3000W, 6000W, 8000W, 12000W, 20000W, 30000W
Max acceleration	1.2G
Max positioning speed	120m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Focusing way	Automatic

Product Configuration

- Feeding aids
- Null shift obstacle avoidance
- CypCut System
- Auto Focus Laser Head
- Separate control cabinet
- Welded one-piece bed
- Aviation Aluminum Beam

Processing samples



Exchange platform laser cutting machine

1500W-30000W

3015	3000mm*1500mm
4015	4000mm*1500mm
4020	4000mm*2000mm
6015	6000mm*1500mm
6025	6000mm*2500mm



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Model features

Deformation-free cutting of stainless steel, carbon steel, copper plate, aluminum plate, etc.
 Fast speed, high precision, can be cut continuously for a long time.
 Exchangeable platform, saving loading and unloading time
 Good beam quality, no burr, no slag, no black edge, no need for secondary processing.
 Narrowest slit, minimum heat-affected zone, minimal localized deformation of workpiece.

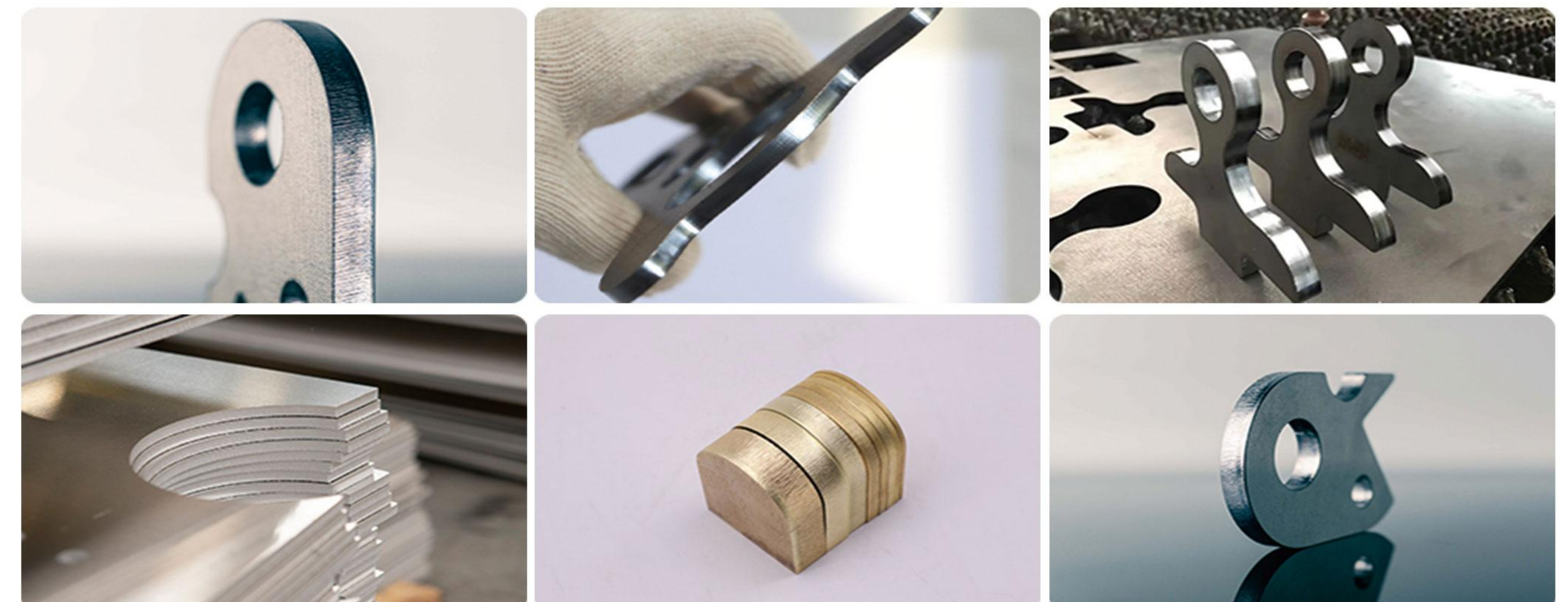
Technical Parameters

Model	3015/4015/4020/6015/6025
Working area	3000mm*1500mm/4000mm*1500mm/4000mm*2000mm 6000mm*1500mm/6000mm*2500mm
Power	1500W, 2000W, 3000W, 6000W, 8000W, 12000W, 20000W, 30000W
Max acceleration	1.2G
Max positioning speed	120m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Focusing way	Automatic

Product Configuration

- Feeding aids
- Null shift obstacle avoidance
- CypCut System
- Auto Focus Laser Head
- Separate control cabinet
- Welded one-piece bed
- Aviation Aluminum Beam
- Rapid exchange platform

Processing samples



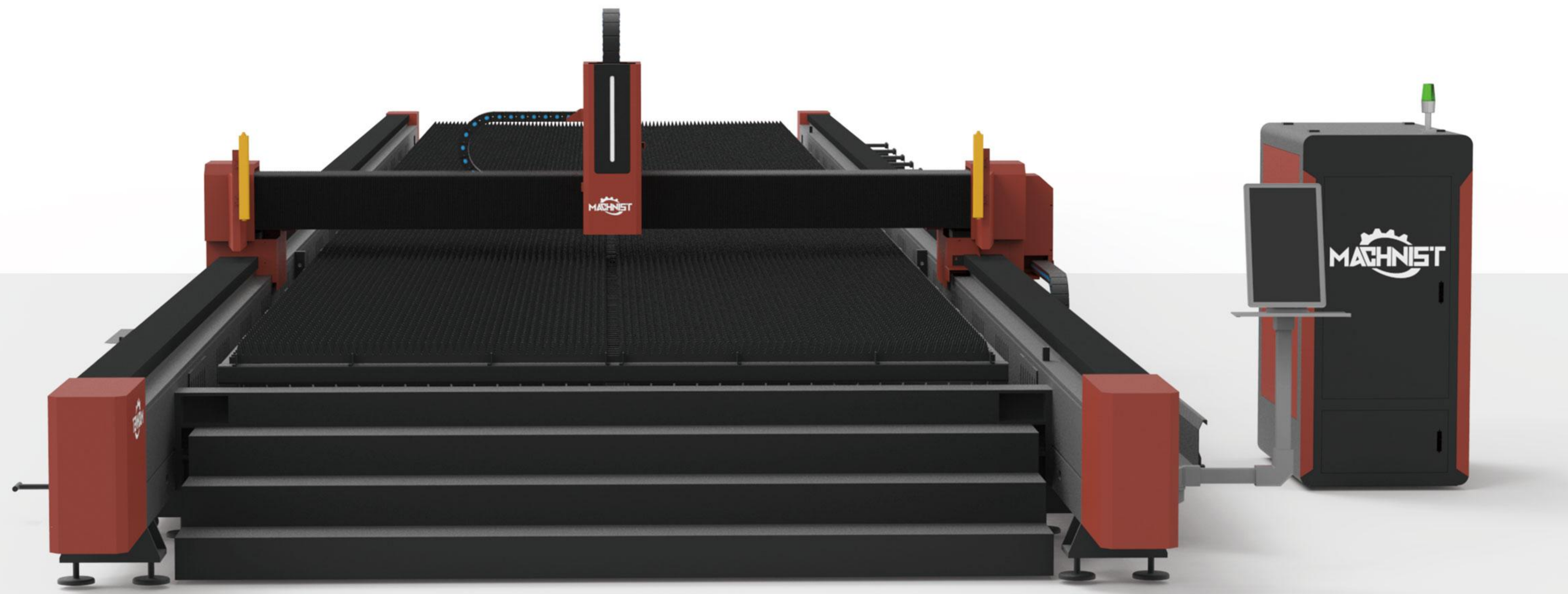
Large format laser cutting machine

6000W-60000W

- 9025 9000mm*2500mm
- 12025 12000mm*2500mm
- 14035 14000mm*3500mm
- Customizable



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Model features

It can cut SS, CS, copper plate, aluminum plate, nickel plate, manganese plate and other hardness materials for deformation-free cutting.
 Good cutting quality, high precision, high speed, high efficiency, low cost of use, fast return on investment.
 Powerful cutting ability and high stability, significantly reduce operating costs.
 Good beam quality, no burr, no slag, no black edge, no need for secondary processing.

Technical Parameters

Model	9025/12025/14035/Customizable
Working area	9000*2500mm/12000*2500mm/14000*2500mm
Power	6000w, 12000w, 20000w, 30000w, 40000w,60000w, etc.
Max acceleration	1.5G
Max positioning speed	150m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Focusing way	Automatic

Product Configuration

- Safety light curtains
- Ground-rail bed
- Large format workspace
- Aviation Aluminum Beam
- CypCut System
- 3D laser cutting head (optional)
- Auto Focus Laser Head
- Separate control cabinet

Processing samples



Enclosed Exchange Platform

laser cutting machine

3000W-60000W

3015	3000mm*1500mm
4015	4000mm*1500mm
4020	4000mm*2000mm
6025	6000mm*2500mm
8025	8000mm*2500mm
12025	12000mm*2500mm



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Model features

It can cut SS, CS, copper plate, aluminum plate, nickel plate, manganese plate and other hardness materials for deformation-free cutting.
 Good cutting quality, high precision, high speed, high efficiency and low cost.
 Strong cutting ability and high stability, significantly reduce operating costs.
 Fully enclosed structure, safety and environmental protection, 0 pollution.

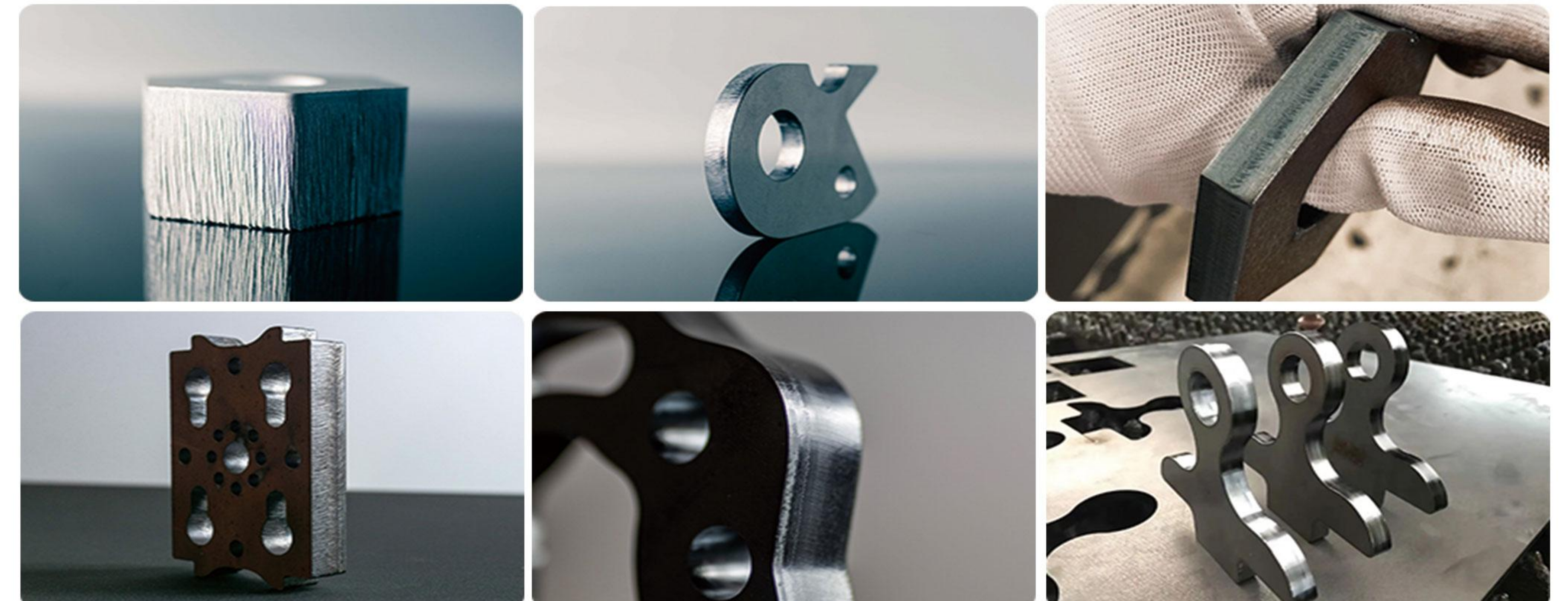
Technical Parameters

Model	3015/4015/4020/6025/8025/12025
Working area	3000mm*1500mm/4000mm*1500mm/4000mm*2000mm 6000mm*2500mm /8000mm*2500mm/12000mm*2500mm
Power	3000W, 6000W, 8000W, 12000W ,20000W/30000W 40000W, 60000W
Max acceleration	1.5G
Max positioning speed	150m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Focusing way	Automatic

Product Configuration

- Feeding aids
- Null shift obstacle avoidance
- CypCut System
- Auto Focus Laser Head
- Separate control cabinet
- Welded one-piece bed
- Aviation Aluminum Beam
- Rapid Exchange Platform
- Full enclosure protection
- Dual monitoring system

Processing samples



Standard Tube laser cutting machine

1500W-6000W

- 6024 Round tube $\Phi 20-\Phi 240\text{mm}$
Square tube $\square 20-\square 240\text{mm}$
- 6035 Round tube $\Phi 20-\Phi 350\text{mm}$
Square tube $\square 20-\square 350\text{mm}$



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Model features

Laser filtered visual window, protects operator's eyes from laser radiation.
 Negative pressure smoke exhaust, large diameter smoke exhaust channel, clean cutting.
 Precision pneumatic chuck, no jams in operation.
 Stable operation, low failure rate and low maintenance cost.

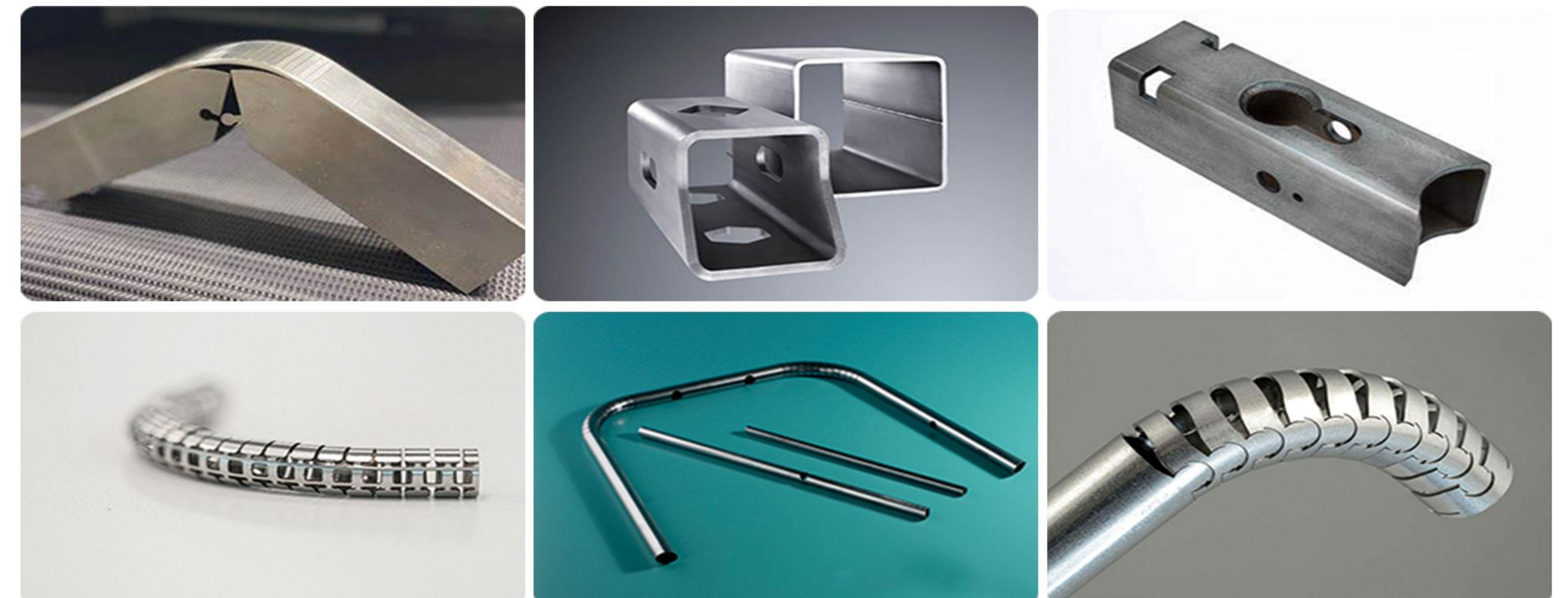
Technical Parameters

Model	6024/6035	
Tube size range	Round tube $\Phi 20-\Phi 240\text{mm}$ Square tube $\square 20 - \square 240\text{mm}$	$\Phi 20-\Phi 350\text{mm}$ $\square 20-\square 350\text{mm}$
Power	1500W, 2000W, 3000W, 6000W	
Max acceleration	1.2G	
Max rotating speed	120rpm/min	
Positioning accuracy	$\pm 0.05\text{mm}$	
Repositioning accuracy	$\pm 0.03\text{mm}$	
tube cross-sectional shape	Round pipe, square pipe, rectangular pipe, oval pipe, angle steel, channel steel and other pipe materials	

Product Configuration

- Pneumatic Chucks
- Nylon Rollers
- CypCut System
- Welded one-piece bed
- TubesT nesting software
- Automatic loading and unloading (optional)
- 3D laser cutting head (optional)

Processing samples



Standard Tube laser cutting machine

3000W-12000W

6024 Round tube $\Phi 20-\Phi 240\text{mm}$
Square tube $\square 20-\square 240\text{mm}$

6035 Round tube $\Phi 20-\Phi 350\text{mm}$
Square tube $\square 20-\square 350\text{mm}$



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Model features

Laser-filtered viewing window protects operator eyes from laser radiation.
Negative pressure exhaust system with large-diameter exhaust duct ensures clean cutting.
Precision pneumatic chuck operates smoothly without jamming.
Equipped with servo-driven follow-up system, delivering stable operation, low failure rate, and minimal maintenance costs.

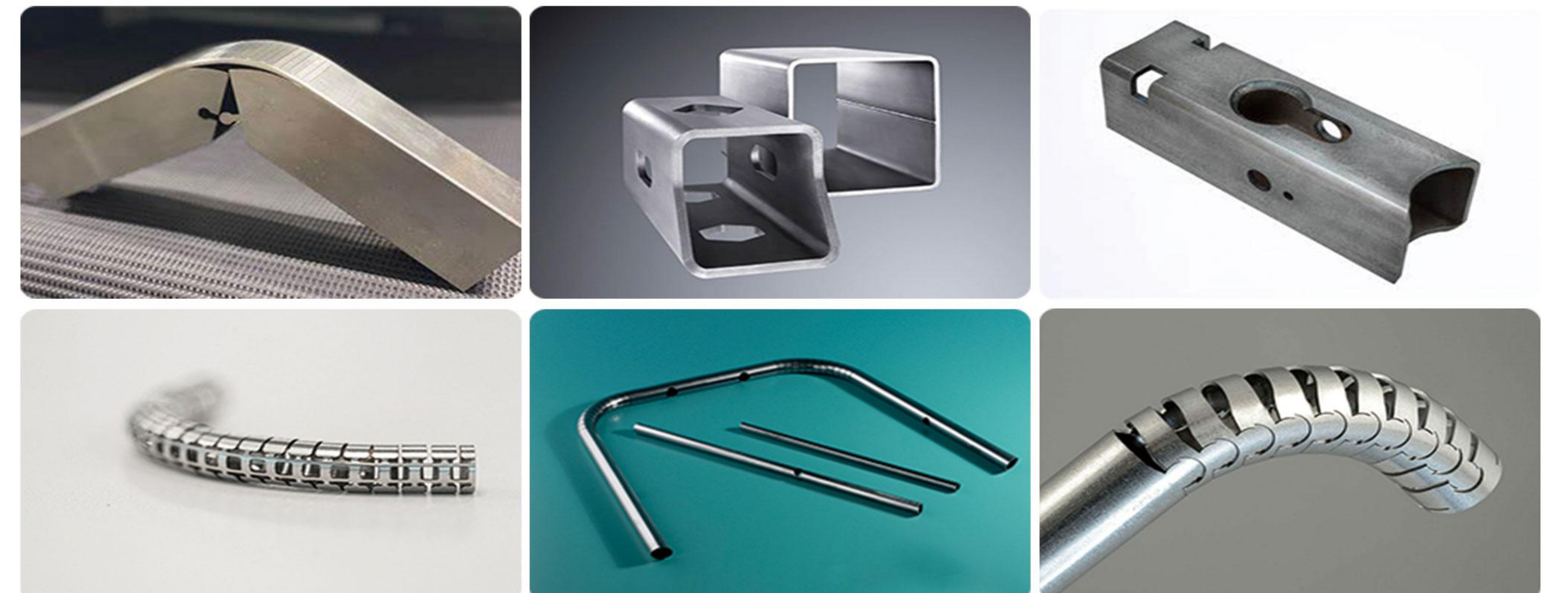
Technical Parameters

Model	6024/6035	
Tube size range	Round tube $\Phi 20-\Phi 240\text{mm}$ Square tube $\square 20 - \square 240\text{mm}$	$\Phi 20-\Phi 350\text{mm}$ $\square 20-\square 350\text{mm}$
Power	3000W , 6000W, 12000W	
Max acceleration	1.2G	
Max rotating speed	120rpm/min	
Positioning accuracy	$\pm 0.05\text{mm}$	
Repositioning accuracy	$\pm 0.03\text{mm}$	
tube cross-sectional shape	Round pipe, square pipe, rectangular pipe, oval pipe, angle steel, channel steel and other pipe materials	

Product Configuration

- Pneumatic Chucks
- Servo-tracking system
- CypCut System
- Welded one-piece bed
- TubesT nesting software
- Automatic loading and unloading
- 3D laser cutting head (optional)

Processing samples



Single platform plate and tube laser cutting machine

1500W-6000W

3015	3000mm*1500mm
4015	4000mm*1500mm
4020	4000mm*2000mm
6015	6000mm*1500mm
6525	6500mm*2500mm
8025	8000mm*2500mm



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Model features

Deformation-free cutting of stainless steel, carbon steel, copper plate, aluminum plate, etc.
 Heavy-duty bed and lightweight gantry ensure stable and high-speed operation.
 Plate and tube integrated design, can meet the demand of cutting tube and plate.
 Good beam quality, no burr, no slag, no black edge, no need for secondary processing.

Technical Parameters

Model	3015/4015/4020/6015/6525/8025
Working area	3000mm*1500mm/4000mm*1500mm/4000mm*2000mm 6000mm*1500mm/6500mm*2500mm/8000mm*2500mm
Power	1500W, 2000W, 3000W, 6000W
Max acceleration	1.2G
Max positioning speed	120m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Tube size range	Round tube Φ20-Φ230mm Square tube □20 - □230mm
Max. length of tube	6000mm

Product Configuration

- Feeding aids
- Pneumatic chuck
- CypCut System
- Auto Focus Laser Head
- Separate control cabinet
- Welded one-piece bed
- Aviation Aluminum Beam

Processing samples



Exchange Platform Dual-use Metal Sheet and Tube Laser Cutting Machine

1500W-6000W

3015	3000mm*1500mm
4015	4000mm*1500mm
4020	4000mm*2000mm
6015	6000mm*1500mm
6025	6000mm*2500mm
8025	8000mm*2500mm



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Model features

Deformation-free cutting of stainless steel, carbon steel, copper plate, aluminum plate, etc.
 Exchangeable platform saves loading and unloading time
 Heavy-duty bed and lightweight gantry ensure stable and high-speed operation.
 Plate and tube integrated design, can meet the demand of cutting tube and plate.
 Good beam quality, no burr, no slag, no black edge, no need for secondary processing.

Technical Parameters

Model	3015/4015/4020/6015/6025/8025
Working area	3000mm*1500mm/4000mm*1500mm/4000mm*2000mm 6000mm*1500mm/6000mm*2500mm/8000mm*2500mm
Power	1500W, 2000W, 3000W, 6000W
Max acceleration	1.2G
Max positioning speed	120m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Tube size range	Round tube Φ 20- Φ 230mm Square tube \square 20 - \square 230mm
Max. length of tube	6000mm

Product Configuration

- Feeding aids
- Pneumatic chuck
- CypCut System
- Auto Focus Laser Head
- Separate control cabinet
- Welded one-piece bed
- Aviation Aluminum Beam
- Rapid Exchange Platform

Processing samples



Enclosed exchange platform plate and tube Laser cutting machine

3000W-12000W

3015	3000mm*1500mm
4015	4000mm*1500mm
4020	4000mm*2000mm
6015	6000mm*1500mm
6025	6000mm*2500mm
8025	8000mm*2500mm



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Model features

Deformation-free cutting of stainless steel, carbon steel, copper plate, aluminum plate, etc.
Exchangeable platform saves loading and unloading time
Fully enclosed structure, safety and environmental protection, 0 pollution.
Plate and tube integrated design, can meet the demand of cutting tube and plate.
Good beam quality, no burr, no slag, no black edge, no need for secondary processing.

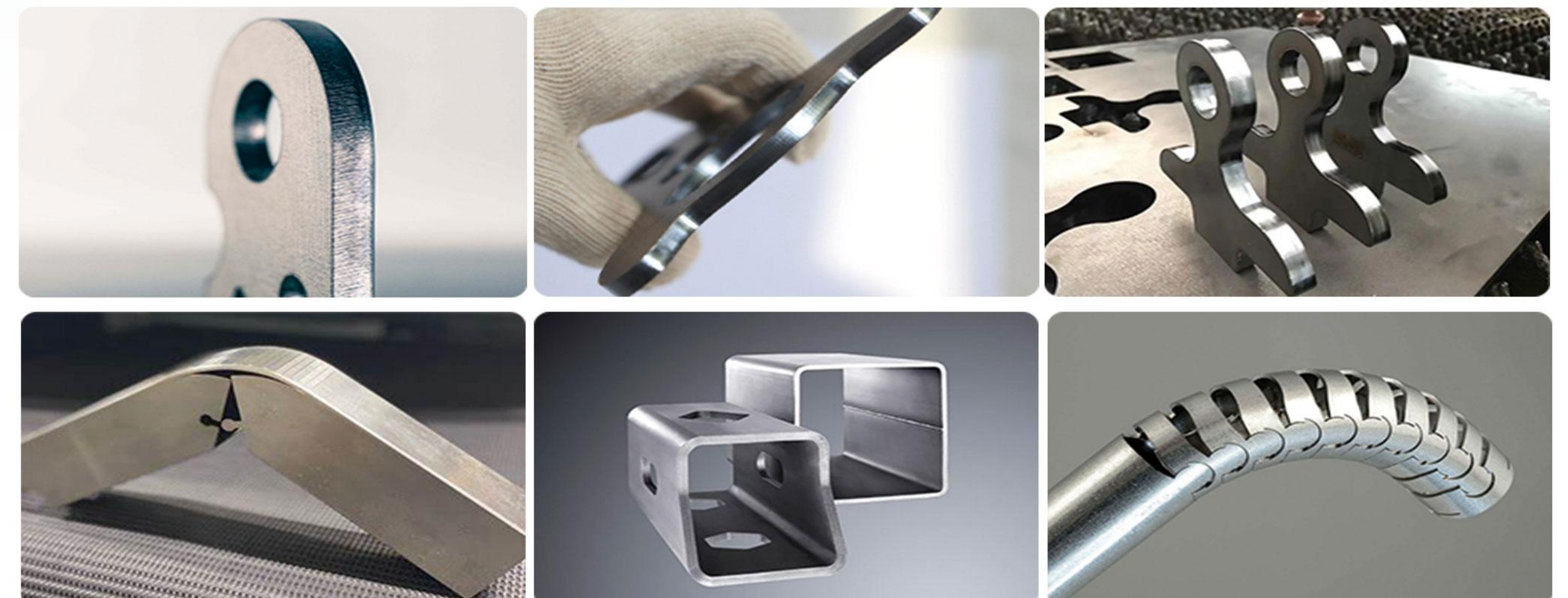
Technical Parameters

Model	3015/4015/4020/6015/6025/8025
Working area	3000mm*1500mm/4000mm*1500mm/4000mm*2000mm 6000mm*1500mm/6000mm*2500mm/8000mm*2500mm
Power	3000W, 6000W, 12000W
Max acceleration	1.5G
Max positioning speed	150m/min
Positioning accuracy	±0.03mm
Repositioning accuracy	±0.02mm
Tube size range	Round tube Φ20-Φ230mm Square tube □20 - □230mm
Max. length of tube	6000mm

Product Configuration

- Feeding aids
- Pneumatic chuck
- CypCut System
- Auto Focus Laser Head
- Separate control cabinet
- Welded one-piece bed
- Aviation Aluminum Beam
- Rapid Exchange Platform
- Full enclosure protection
- Dual monitoring system

Processing samples



Water-cooled Handheld Laser Welder

Model features

- High heat dissipation efficiency
- Compatible with high-power models
- Enhances welding precision and stability
- Extends core component lifespan

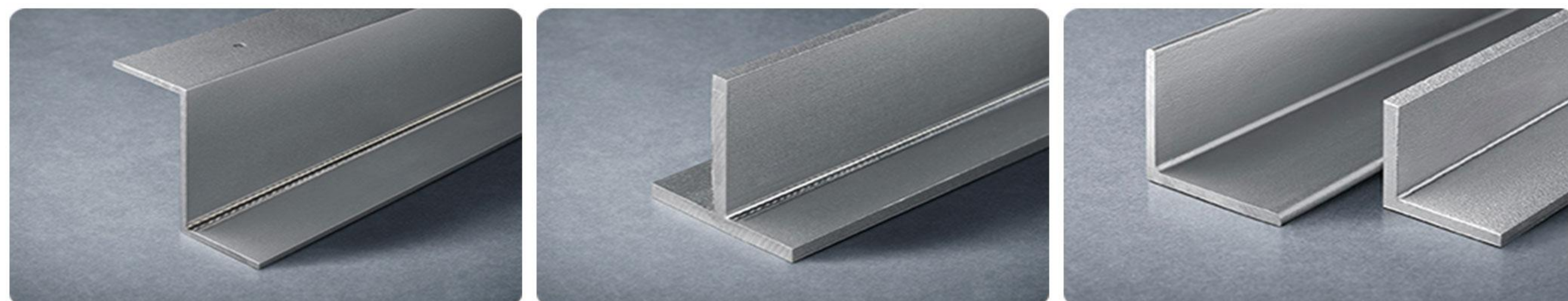


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Technical Parameters

Model	1500W	2000W	3000W
Operating Mode	Continue / Modulation		
Power Requirements	220V / 50Hz/60Hz		380V/50Hz/60Hz
Perating Temperature	15-35°C		
Working Humidity	<70% No condensation		
Max. Welding Thickness	0.5-3mm	0.5-5mm	0.5-8mm
Welding Line Requirements	≤0.5mm		
Max. Welding Speed	120mm/s		

Processing samples



Air-cooled Handheld Laser Welder

Model features

- Compact and portable design
- Low maintenance costs and ease of upkeep
- No risk of water leakage
- Strong environmental adaptability

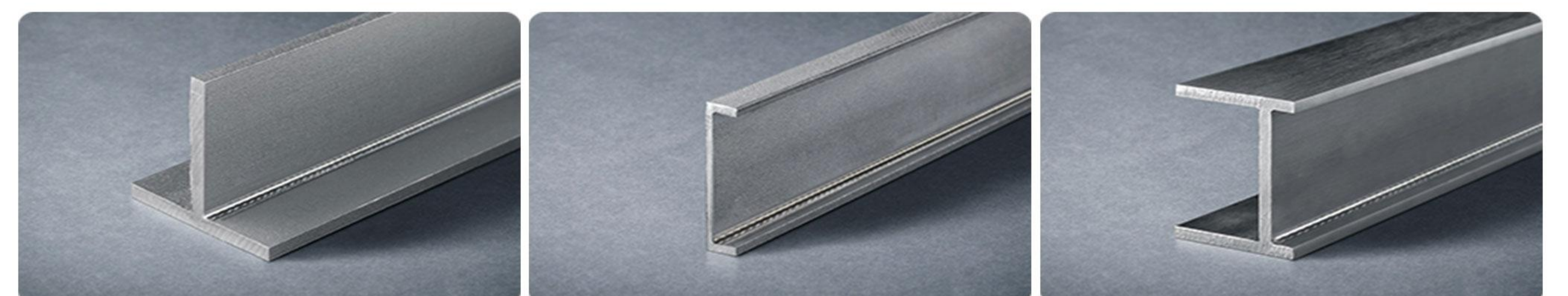


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Technical Parameters

Model	1000W	1500w	2000w
Operating Mode	Continuous / Modulation		
Power Requirements	220V / 50Hz/60Hz		
Perating Temperature	-20-40°C		
Working Humidity	<70% No condensation		
Max. Welding Thickness	0.5-2mm	0.5-3mm	0.5-5mm
Welding Line Requirements	≤0.5mm		
Max. Welding Speed	120mm/s		

Processing samples



Laser marking machine

20W-100W



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20W-100W
Desktop Laser marking machine



20W-50W
Portable Laser Marking Machine

Model features

Simple operation, maintenance-free, low energy consumption, stable performance.
No corrosion on the work surface, no "tool" wear, non-toxic, non-polluting.
Easy layout, no need to open the mold plate, software content can be edited at will.
Can last 24 hours marking, efficiency is more than five times higher than screen printing.
Fully automatic marking, can be printed on any regular or irregular surface marking.

Technical Parameters

Model	Laser Marking Machine
Laser Type	Fiber
Laser power	20w/ 30w/ 50w/100w
Marking range	110*110mm/ 150*150mm/ 175*175mm/ 200*200mm/ 300*300mm
Marking speed	≤7000mm/s
Marking width	0.01mm
Minimum character	0.15*0.15mm
Repeat positioning accuracy	0.002mm
Focus Diameter	<0.01mm
Operating temperature	15°C-35°C

Product Configuration

- High quality galvanometer
- Field Mirrors
- Laser: Raycus/JPT/MAX
- Elevator shaft
- Aluminum working platform
- Red light positioning
- Rotary axis (optional)
- Other customized automation (optional)

Processing samples



Global Service Network

Global service network focused on China

We have established a perfect global after-sales service network. No matter where the customer is located, we can provide timely technical support and maintenance services to ensure long-term stable operation of the equipment. With these advantages, we have strong competitiveness in the global market.

Relying on high-quality products and efficient manufacturing supply, we have successfully met the diverse needs of our customers worldwide. We have achieved the ability to respond quickly to customer needs through strict quality control and optimized supply chain management.

HIGH-QUALITY, EFFECTIVE SERVICE AND SUPPORT

01

AFTER-SALES SERVICE

Free warranty service and quick response to customer inquiries.

02

TECHNICAL SUPPORT

Conduct a program analysis to help reduce investment.

03

DAILY SERVICES

Consultation, technical support, evaluation, and training.

04

Engineering services

Installation, commissioning, and on-site maintenance.

