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[www.machnist.com](http://www.machnist.com)

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

*For value seekers  
for performance pursuers.*



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# 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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# 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  $\mu$ m
- 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

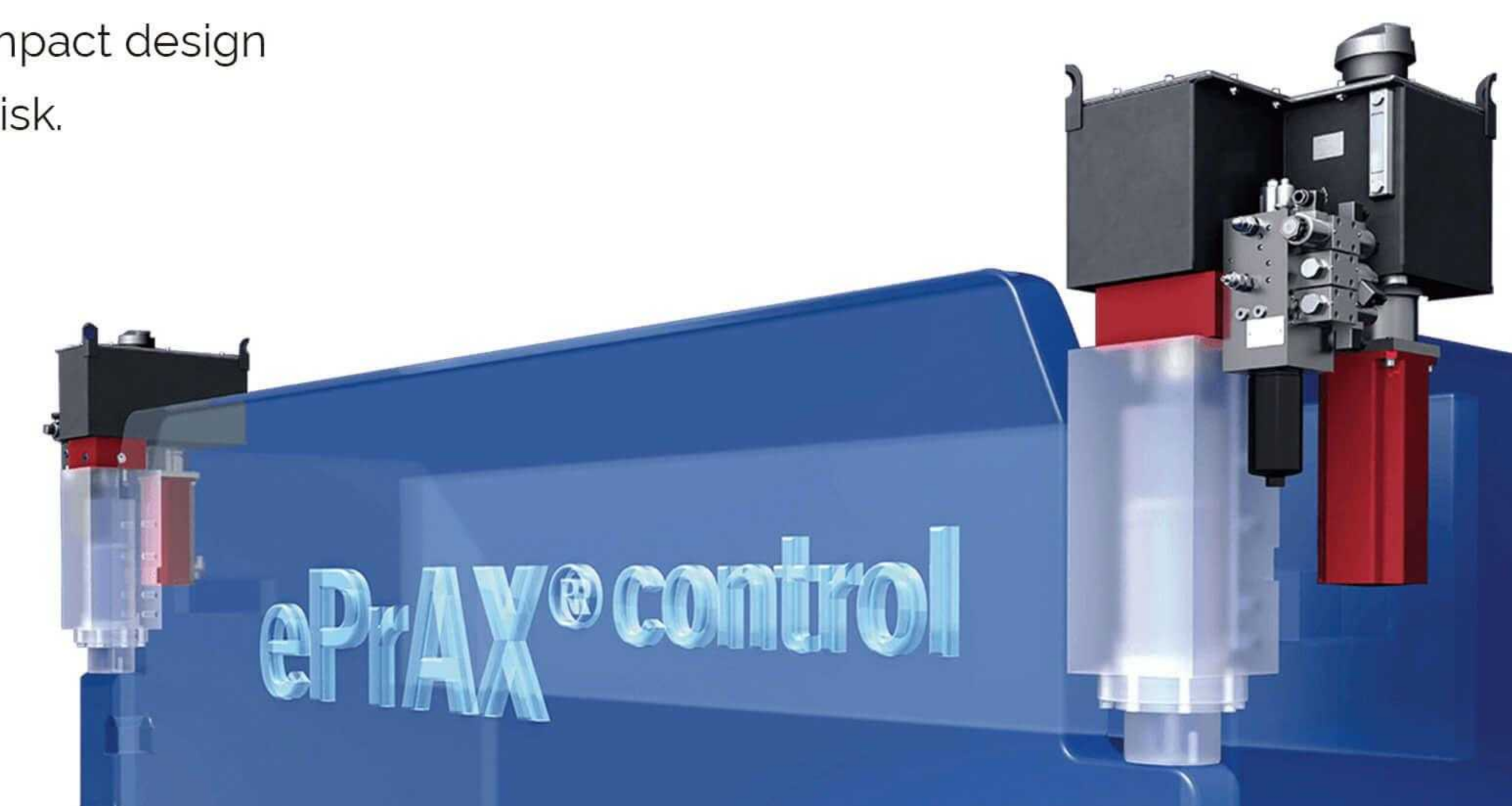
| Model    | BL (mm) | Force (T) | Frame Dist | Open (mm) | Stroke (mm) | Throat (mm) | Down Spd | Work Spd | Return Spd | L×W×H (mm)     |
|----------|---------|-----------|------------|-----------|-------------|-------------|----------|----------|------------|----------------|
| 130T2500 | 2500    | 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.

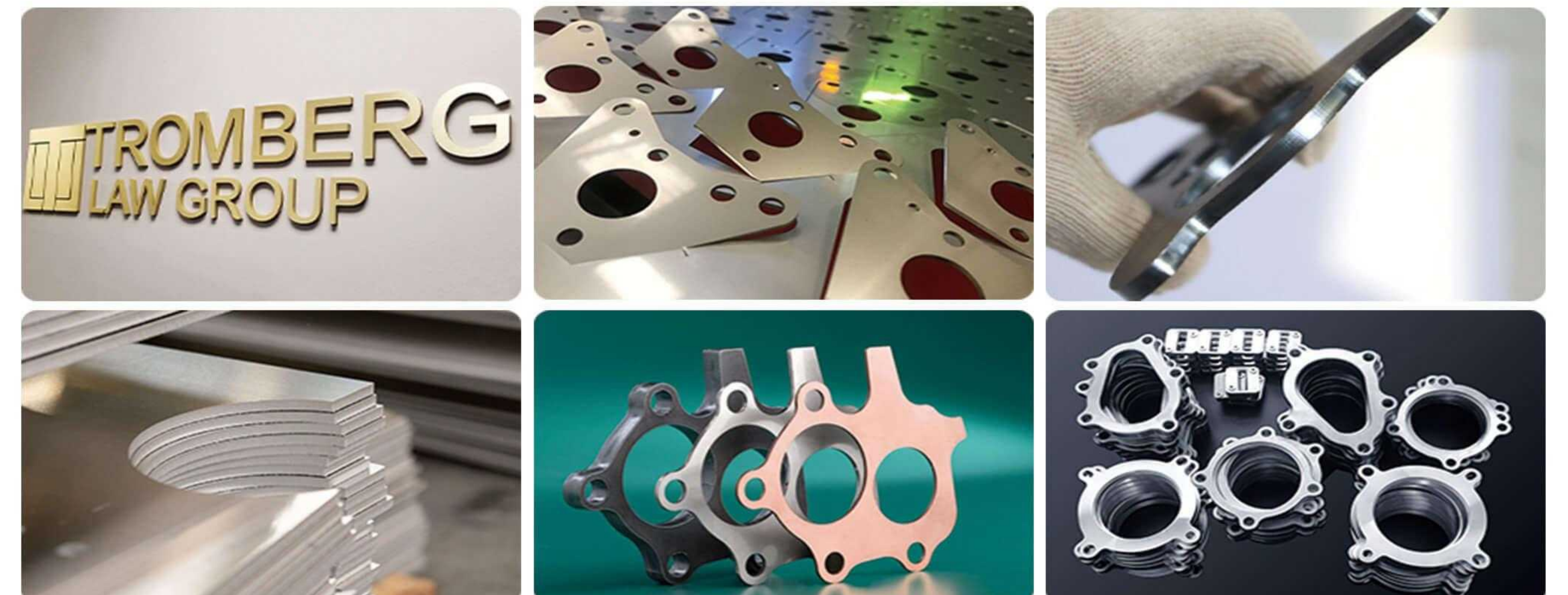
## Technical Parameters

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Model                  | 3015/4015/4020/6015/6025                                                 |
| Working area           | 3000mm*1500mm/4000mm*1500mm/4000mm*2000mm<br>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.

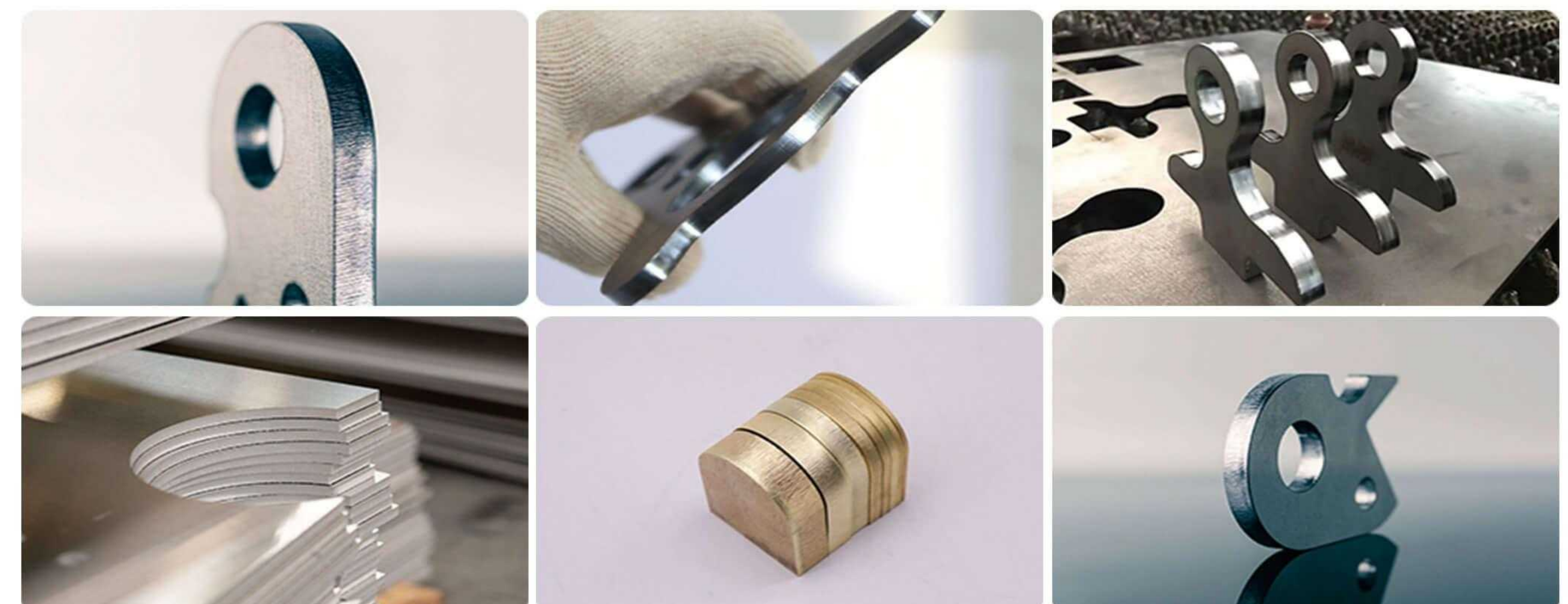
## Technical Parameters

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Model                  | 3015/4015/4020/6015/6025                                                 |
| Working area           | 3000mm*1500mm/4000mm*1500mm/4000mm*2000mm<br>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.

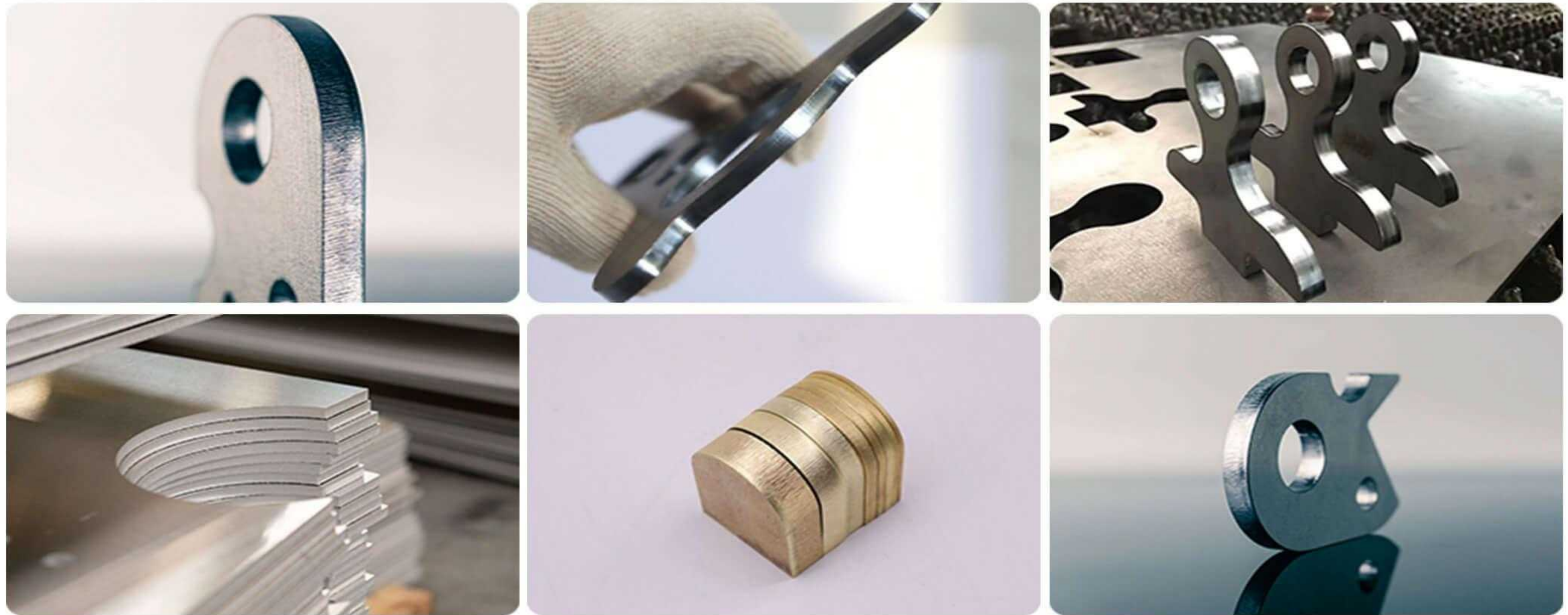
## Technical Parameters

|                        |                                                                          |
|------------------------|--------------------------------------------------------------------------|
| Model                  | 3015/4015/4020/6015/6025                                                 |
| Working area           | 3000mm*1500mm/4000mm*1500mm/4000mm*2000mm<br>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
- Large format workspace
- CypCut System
- Auto Focus Laser Head
- Separate control cabinet
- Ground-rail bed
- Aviation Aluminum Beam
- 3D laser cutting head ( optional )

## 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.

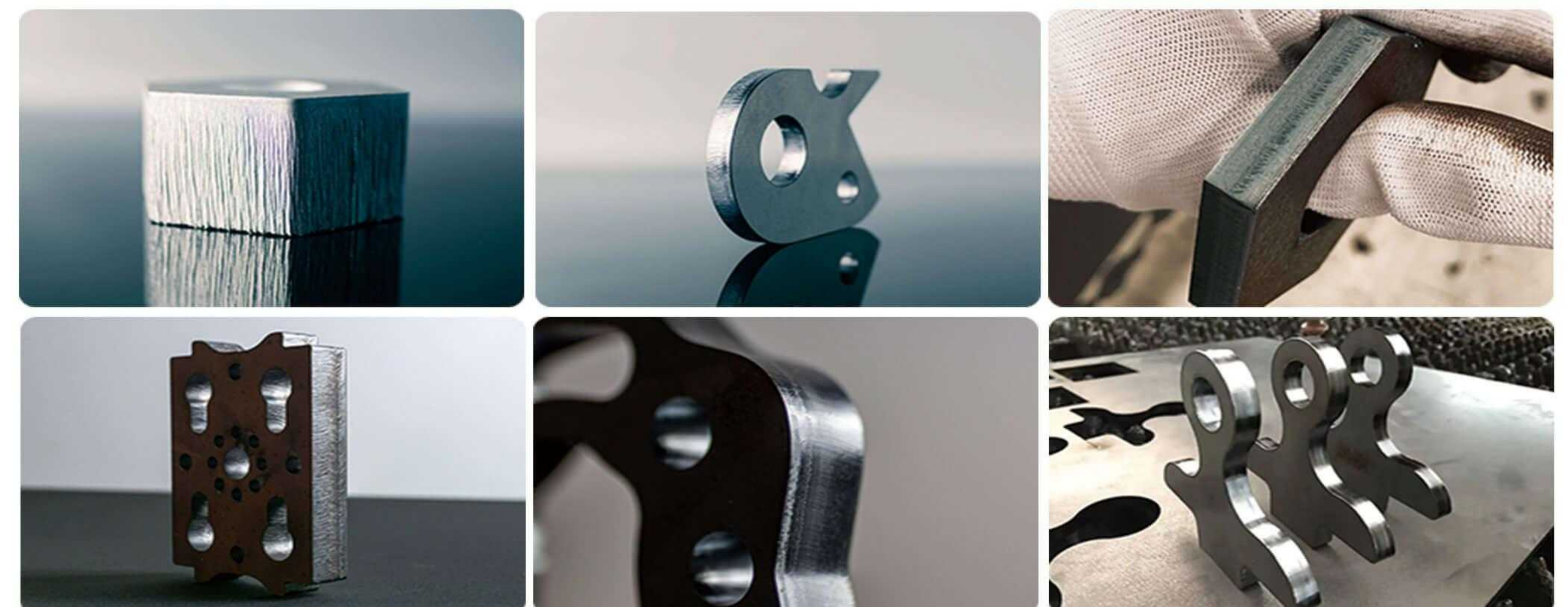
## Technical Parameters

|                        |                                                                                          |
|------------------------|------------------------------------------------------------------------------------------|
| Model                  | 3015/4015/4020/6025/8025/12025                                                           |
| Working area           | 3000mm*1500mm/4000mm*1500mm/4000mm*2000mm<br>6000mm*2500mm /8000mm*2500mm/12000mm*2500mm |
| Power                  | 3000W, 6000W, 8000W, 12000W ,20000W/30000W<br>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  $\Phi 20\text{-}\Phi 240\text{mm}$   
Square tube  $\square 20\text{-}\square 240\text{mm}$

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



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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 $\Phi 20\text{-}\Phi 240\text{mm}$                                                             | $\Phi 20\text{-}\Phi 350\text{mm}$       |
|                            | Square tube $\square 20\text{-}\square 240\text{mm}$                                                      | $\square 20\text{-}\square 350\text{mm}$ |
| 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  $\Phi 20\text{-}\Phi 240\text{mm}$   
Square tube  $\square 20\text{-}\square 240\text{mm}$

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



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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 $\Phi 20\text{-}\Phi 240\text{mm}$                                                             | $\Phi 20\text{-}\Phi 350\text{mm}$       |
|                            | Square tube $\square 20\text{-}\square 240\text{mm}$                                                      | $\square 20\text{-}\square 350\text{mm}$ |
| 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<br>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 $\Phi$ 20- $\Phi$ 230mm<br>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

## 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<br>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 Φ20-Φ230mm<br>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

## 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<br>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<br>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

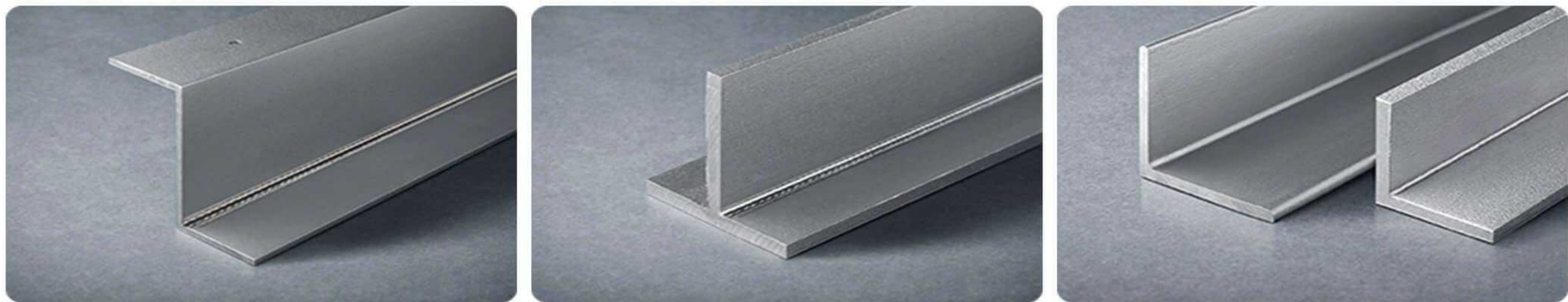


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## Technical Parameters

| 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

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.

Global service network focused on China

## 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.

