

**Friendly Reminder:**

due to technical and process updates, the product is subject to changes in such as structure, configuration, weight and other parameters without prior notice.



MANUFACTURING  
CHANGES THE FUTURE



PRESS BRAKE



SHEAR



LASER

**ERGOMAC PAPARIZOS LTD**

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## About US

ZYMT is a state-level high-tech enterprise dedicated to providing sheet metal intelligent equipment solutions for global users. It always focuses on sheet metal intelligent equipment manufacturing and has a professional and independent R & D team of intelligent equipment core technology. Adhering to the product development concept of high efficiency, energy saving, environmental protection and compatibility, we have become an outstanding sheet metal intelligent equipment manufacturer in China. •

**2001**

Founded in 2001

**150+**

Area covered

**450+**

Front line production staff

**120+**

Domestic and foreign offices

**5000+**

Cooperative partner

**100+**

Exported to many countries and regions

## Let “ZYMT” Brand Move To The International Stage

ZYMT's products have a domestic market share of over 15%. According to statistics from the Forging Machinery Branch of the China Machine Tool Industry Association in 2019, ZYMT's ZYB series large tonnage electro-hydraulic servo CNC bending machines ranked among the top three key contact enterprises in the same industry in China in terms of production and sales.



## ZYB series SVP

### CNC Hybrid-Electro Servo Press Brake

#### Performance Characteristics

The fuselage adopts the integral steel plate welding structure, which is tempered by large tempering furnace equipment to eliminate the deformation caused by welding stress and processing stress and ensure the accuracy of the machine tool.

Imported international well-known brand electro-hydraulic servo valve and grating ruler constitute a precise control mode.

The slider position feedback accuracy is high, the operation is accurate and stable, the synchronization performance is good, the bending accuracy and the slider repeat positioning accuracy are high.

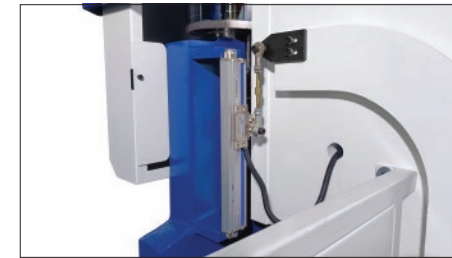
The backstop adopts a precision CNC backstop mechanism with more complete functions.

The hydraulic system adopts an integrated control system, which reduces pipeline installation, overcomes oil leakage, ensures the working stability of the machine tool, and has a simple and beautiful appearance.

The mechanical deflection automatic compensation mechanism eliminates the influence of slide deformation on the quality of the workpiece, and the numerical control system automatically adjusts the compensation amount, which is convenient and accurate to operate.

The CNC system adopts the special CNC system for Dutch Delem and other brands of press brakes.

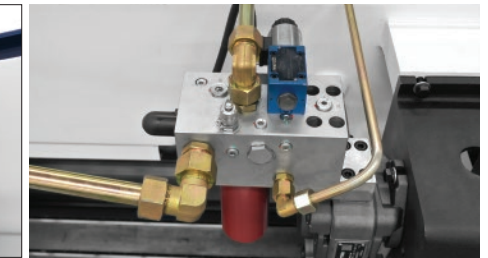
#### Detail Display



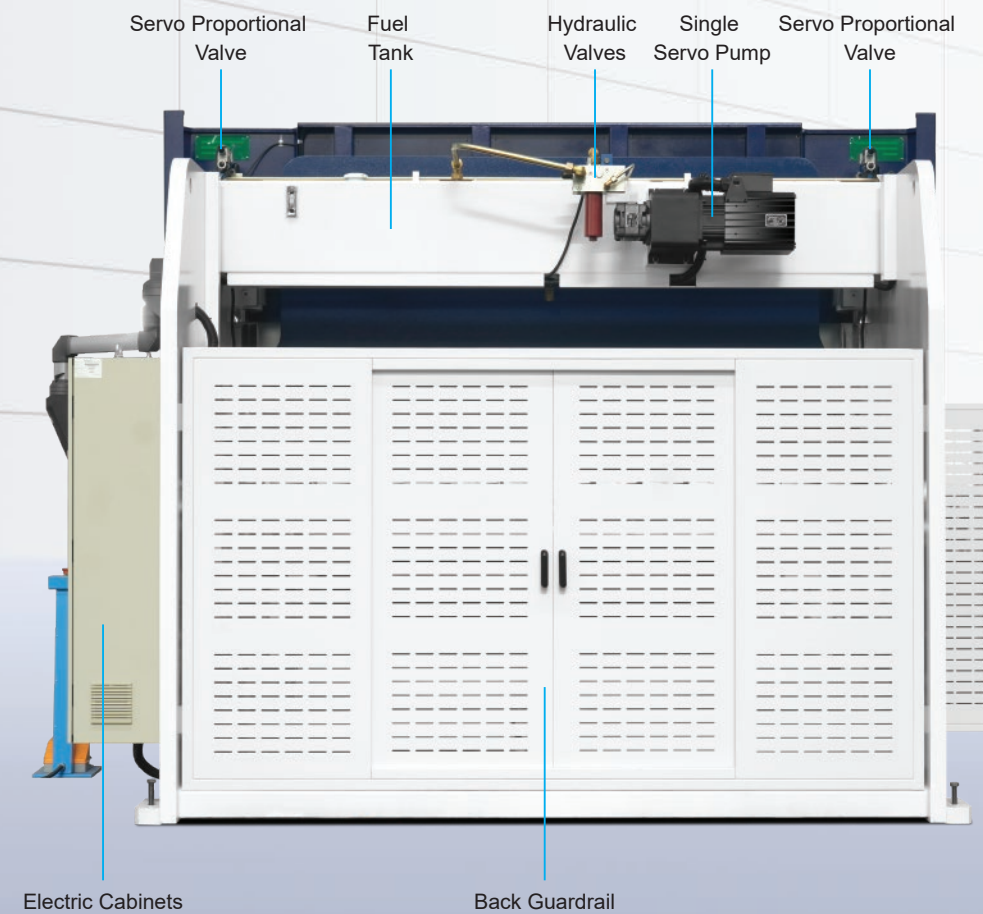
Precision grating ruler



Hydraulic servo pump



Imported hydraulic valve (Rexroth)



#### DA-53T



Standard

- 10.1" high resolution true color TFT display
- Up to 4-axis control (Y1, Y2 + 2 auxiliary axes)
- Deflection compensation control
- Has mold / material / product library
- Support servo or frequency conversion control
- Advanced Y-axis control algorithm to control both closed-loop and open-loop valves
- Network dual-machine linkage (optional)
- USB peripheral interface
- Profile-53TL offline programming software



Optional

#### VP88

- 19" streamlined touchscreen design, even with gloves
- Graphical HMI similar to CT series, easy to learn and use.
- 2D finger drawing programming function (drawing cross-section) and 3D graphic display (MX).
- Automatic calculation of bending steps
- Various front feed/rear feed axes of the press brake, such as X axis, X gear finger moving axis, X driven axis, R axis, R driven axis, Z axis.
- More advanced algorithms with higher bending accuracy
- Dual-machine linkage

#### DA-58T



Optional

- 15" TFT true color display
- 1024 x 768 pixels
- Industrial touch screen
- 2D touch graphics programming
- Bending operation calculation
- Disturbance compensation control
- Servo and inverter control modes
- Advanced Y-axis control algorithm
- USB interface

#### DA-66T



Optional

- 17" TFT true color display
- 1280 x 1024 pixels
- Full touch infrared operation
- 2D touch graphics programming
- 3D product graphic simulation display
- Complete Windows application package
- Compatible with the Derem modular structure system
- Standard Windows networking features
- USB peripheral interface





*Saving*  
**70%**

### ESVP energy-saving system

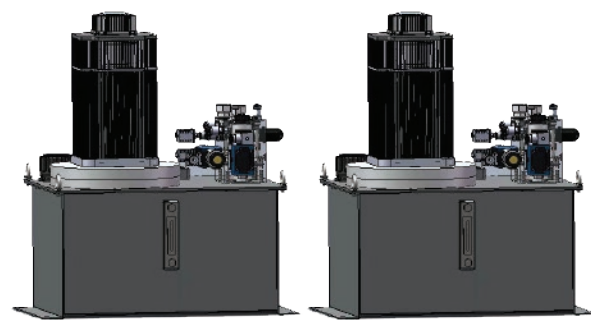
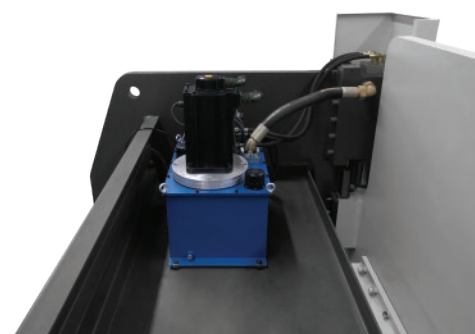
Smaller size, simple installation structure, energy saving and fuel saving.

It adopts servo motor drive, which has lower noise and higher efficiency.

Equipped with Rexroth valves and Rexroth oil pumps as standard, they are stable and reliable and last longer.

The cleanliness of the oil has been reduced from NS7 to NS9, and the product failure rate is lower.

Proportional valve shut-off and pressure valve overflow are eliminated, the heat equilibration temperature is low, and the hydraulic oil consumption is reduced by 60% compared to conventional machine tools.



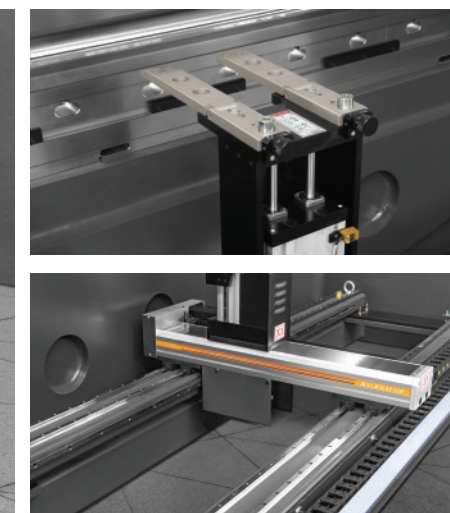
### Optional



**6+1 axis CNC backgear (Y1+Y2+X+R+Z1+Z2)+V**



**8+1 axis CNC backline (Y1+Y2+X1+X2+R1+R2+Z1+Z2)+V**



### Follow-up front feeding

The user can be equipped with a follow-up front feeding machine, which can prevent the workpiece from deforming and ensure the processing accuracy when bending the thin plate or the wide plate.



### Industrial air conditioners

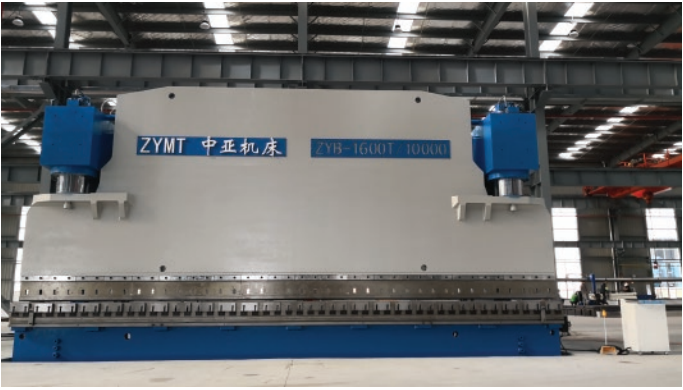
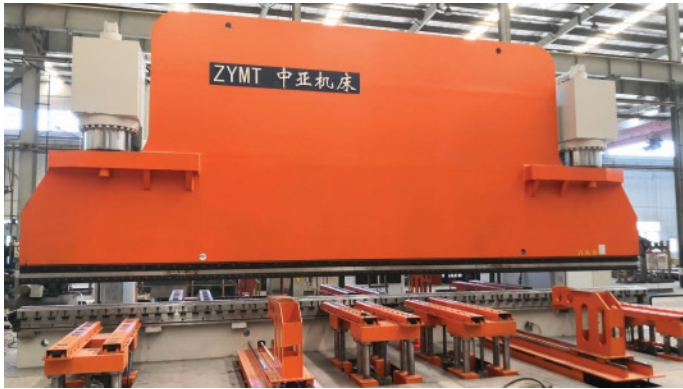
Select industrial air conditioners with excellent performance to provide a relatively low temperature working environment for the electrical components of the electrical box.



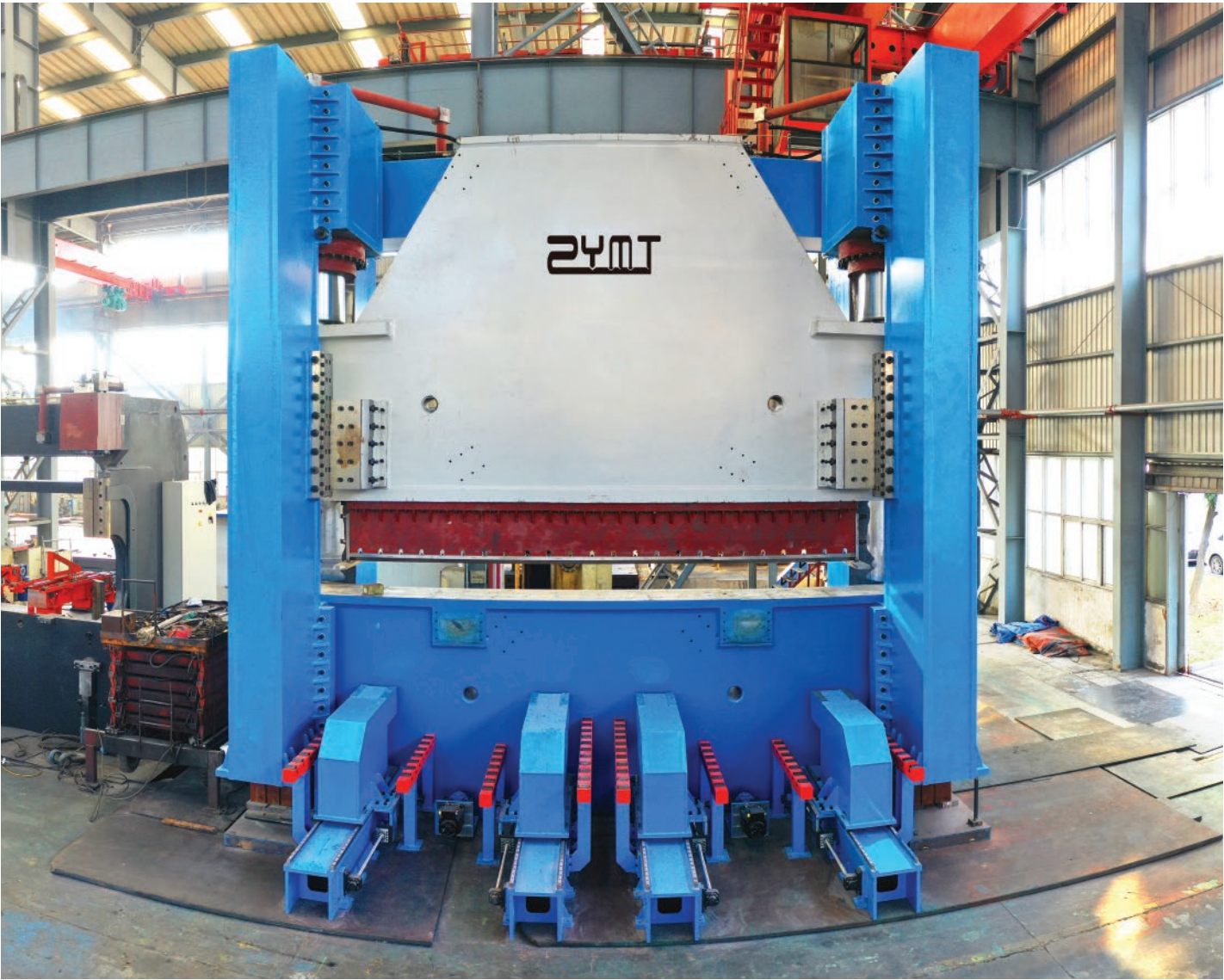
### Photoelectric protection (safety light curtains)

The output contacts are inspected in series and have high safety performance. Good anti-light interference ability, protect the bending operator safety of workers.





Technical Parameters ZYB Series



Technical Parameter

Model	ZYB	630/2500	1000/3200	1000/4000	1250/3200	1250/4000	1600/3200	1600/4000	2000/3200	2000/4000	2500/3200	3000/3200	4000/4000	5000/6000
Nominal power	(KN)	630	1000	1000	1250	1250	1600	1600	2000	2000	2500	3000	4000	5000
Bend length	(mm)	2500	3200	4000	3200	4000	3200	4000	3200	4000	3200	3200	4000	5000
Column spacing	(mm)	2000	2700	3500	2700	3500	2700	3500	2700	3500	2700	2700	3100	4500
Throat depth	(mm)	350	400	400	400	400	400	400	400	400	400	400	400	500
Slider travel	(mm)	150	200	200	200	200	200	200	200	200	200	300	300	300
Mold mounting height	(mm)	350	420	420	420	420	420	420	420	420	420	500	600	600
Main motor power	(KW)	5	8.7	8.7	10.8	10.8	13.2	13.2	13.2	13.2	16.7	21.4	26.9	37
Controls the number of axes	4+1+2 (Y1, Y2, X,R)+V+Z1,Z2										4+1 (Y1, Y2, X,R)+V			
Compensation method	Mechanical compensation													
Backgear travel	(mm)	500							800					
Backgauge speed	200mm/s													
Fuselage length	(mm)	3100	3700	4500	3700	4500	3700	4500	3700	4500	3700	3700	4500	6500
Fuselage width	(mm)	1500	1600	1600	1600	1600	1650	1650	1700	1700	1700	1800	2450	2800
Fuselage height	(mm)	2300	2500	2500	2500	2500	2600	2600	2700	2700	2760	2900	3500	4500
Weight (approx.)	(Ton)	5.8	8.5	10	9.5	12.5	11	12.5	14	13.5	15.5	16.8	31	50

※Parameters are subject to change without notice; The above models can use dual-machine linkage.

Technical Parameter

600T/6000	800T/6000	800T/8000	1000T/6000	1000T/8000	1200T/6000	1200T/7000	1600T/6000	1600T/7000	1600T/8000	2000T/10000	2000T/12000	2000T/14000	3000T/8000	3000T/10000	3000T/12000
6000	8000	8000	10000	10000	12000	12000	16000	16000	16000	20000	20000	20000	30000	30000	30000
6000	6000	8000	6000	8000	6000	7000	6000	7000	8000	10000	12000	14000	8000	10000	12000
4900	4200	6200	4200	6200	4200	5200	4200	5200	6200	7050	9050	11050	6200	8000	9050
500	600	600	600	600	600	600	600	600	600	700	700	700	700	700	700
300	400	400	400	400	400	400	400	400	400	500	500	500	500	500	500
600	800	800	800	800	800	800	800	800	800	900	900	900	900	900	900
45	55	55	2X37	2X37	2X45	2X45	2X55	2X55	2X55	2X75	2X75	2X75	2X75	2X75	2X75
3+1 (Y1, Y2, X)+V															
Mechanical compensation															
1000															
200mm/s															
6500	6500	8500	6500	8500	6500	8500	6500	7200	8500	10500	12500	14500	8500	10500	12500
2900	2950	2950	3000	3000	3100	3100	3300	3300	3300	3500	3500	3500	3700	3700	3700
5100	5300	5900	5600	6100	5850	7150	6500	7000	8000	8300	8300	8300	8600	8600	8600
60	90	120	100	130	130	150	150	170	190	290	320	350	/	/	/

※Parameters are subject to change without notice; The above models can use dual-machine linkage.



## ZYC series

### CNC Hydraulic-Electro Servo Press Brake

#### Performance Characteristics

The fuselage adopts the integral steel plate welding structure, which is tempered by large tempering furnace equipment to eliminate the deformation caused by welding stress and processing stress and ensure the accuracy of the machine tool. Imported international well-known brand electro-hydraulic servo valve and scale constitute a precise control mode. The slider position feedback accuracy is high, the operation is accurate and stable, the synchronization performance is good, the bending accuracy and the slider repeat positioning accuracy are high. The backgear adopts a more functional 4+1 axis backstock mechanism. The hydraulic system adopts an integrated control system, which reduces pipeline installation, overcomes oil leakage, ensures the working stability of the machine tool, and has a simple and beautiful appearance. The mechanical deflection automatic compensation mechanism eliminates the influence of slide deformation on the quality of the workpiece, and the numerical control system automatically adjusts the compensation amount, which is convenient and accurate to operate. The CNC system adopts the special CNC system for Swiss CYBELEC brand press brakes.



#### CT8

- Large 8-inch touch screen, vivid colors, high contrast.
- Multiple automatic calculation functions for bending step sequences.
- Multi-step bending sequences and products can be stored.
- Angle, pressure and compensation control.
- Easy manual control.
- Bends allow automatic calculation.
- Automatic calculation of pressure-compensation.
- Angle and backgauge correction.

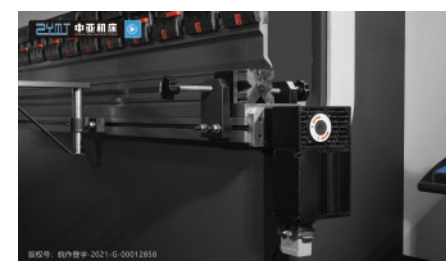


#### CT12

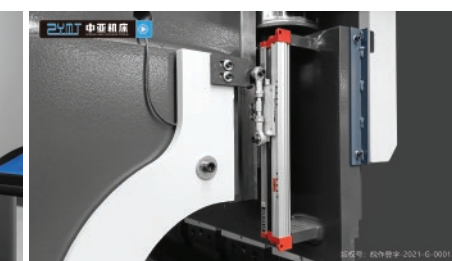
- Large 10-inch touchscreen, vivid colors, high contrast.
- Support for multiple languages.
- Multiple automatic calculation functions for bending step sequences.
- Multi-step bending sequences and products can be stored.
- Angle, pressure and compensation control.
- Easy manual control.
- 4-axis control (Y1-Y2-X-R).
- Manually define the bending sequence to generate 2D products.



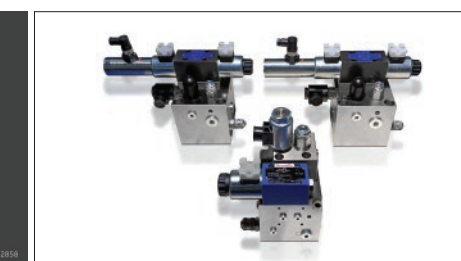
#### Detail Display



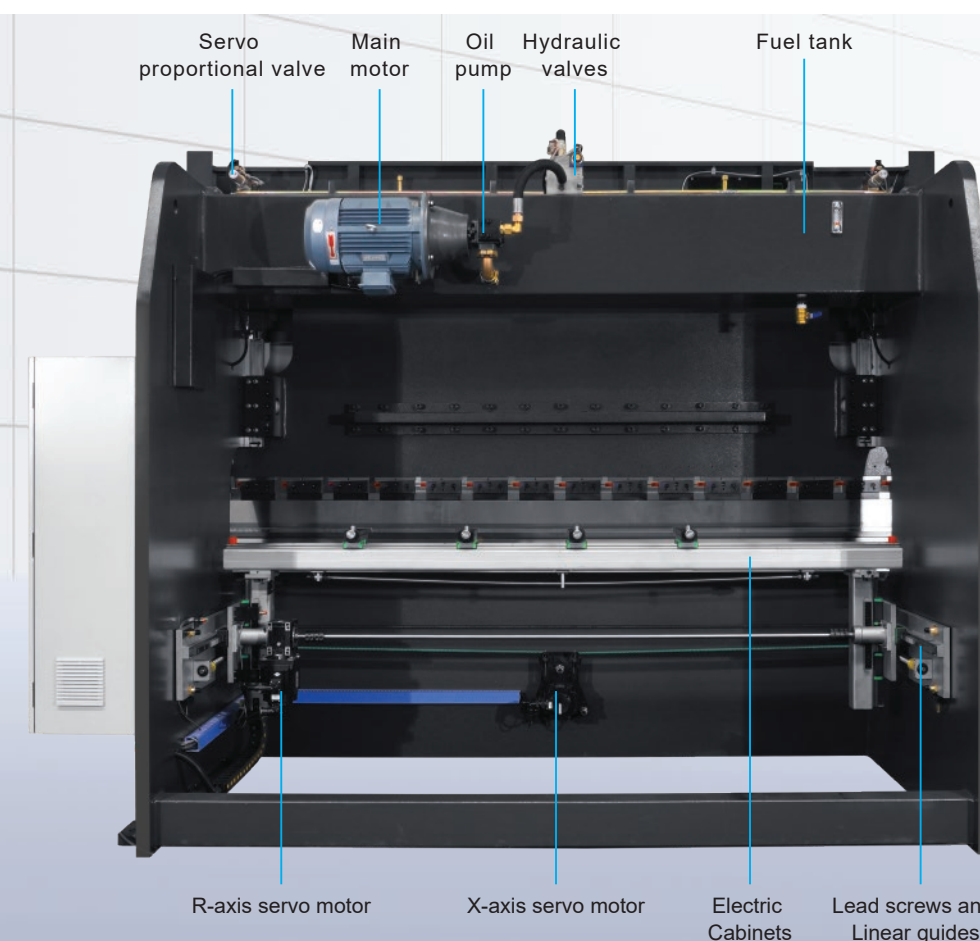
Deflection compensation structure



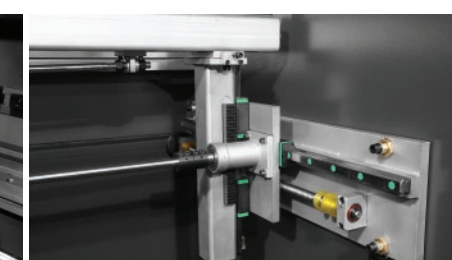
The magnetic grid accurately detects and locates itself



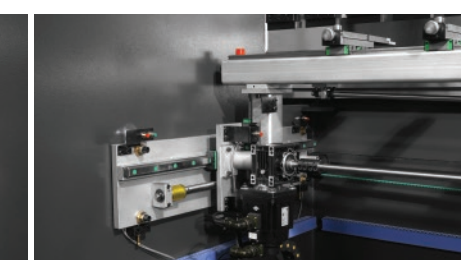
Hydraulic proportional servo manifold



4+1 axis CNC backload



R-axis gear synchronization



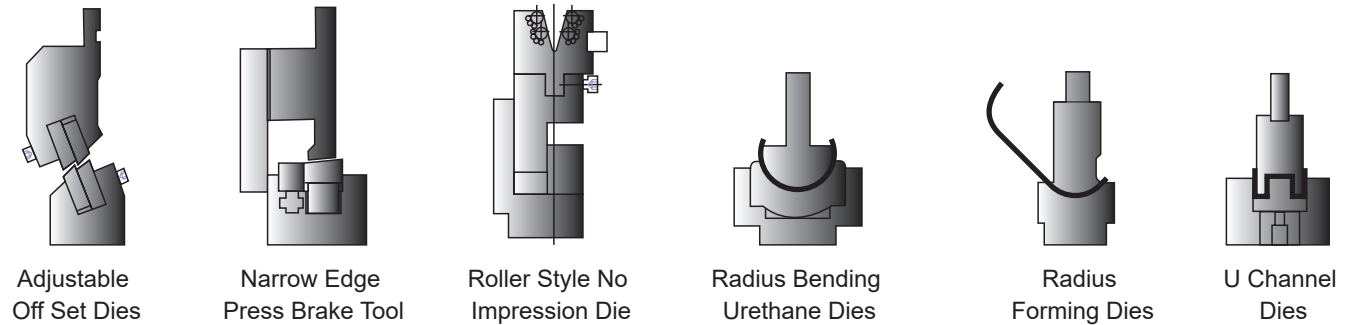
R-axis servo motor

Technical Parameters

ZYC Series

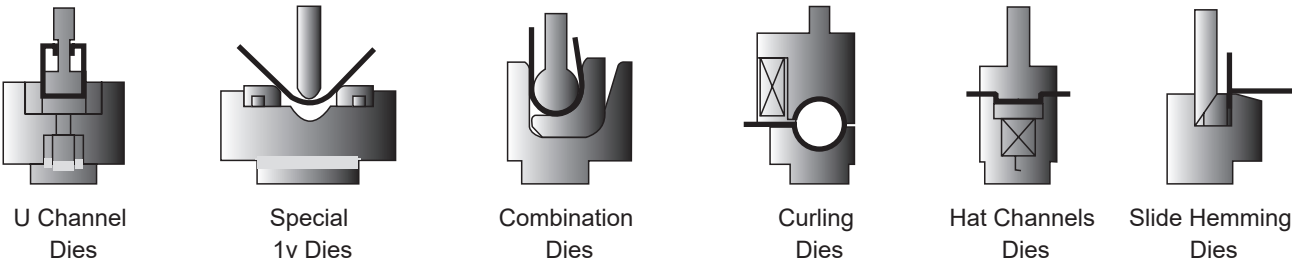
Project		unit	40T/1600	40T/2500	63T/2500	63T/3200	100T/3200	100T/4000	125T/3200	125T/4000	160T/3200
Maximum Nominal Force		KN	400	400	630	630	1000	1000	1250	1250	1600
Bend Length		mm	1600	2500	2500	3200	3200	4000	3200	4000	3200
Column Spacing		mm	1200	1980	1980	2655	2655	3355	2655	3355	2655
Throat Depth		mm	250	250	300	300	350	350	350	350	350
Slider Travel		mm	150	165	150	150	200	200	200	200	200
Table Height		mm	800	800	850	850	900	900	900	900	900
Maximum Opening Height		mm	370	370	400	400	455	455	455	455	475
The Slider Is Fast Down		mm/s	180	180	180	180	180	180	180	180	160
Slider Working Speed		mm/s	15	15	14	14	13	13	13	13	10
Slider Return Speed		mm/s	150	150	170	170	170	170	160	160	140
Main Motor Power		kW	4	4	5.5	5.5	7.5	7.5	11	11	11
Oil Pump Displacement		ml/r	10	10	13	13	20	20	25	25	25
Cnc System			CYBELEC Swiss Y1, Y2, X, R axis CNC control system and mechanical deflection compensation								
Fuel Tank Volume		L	90	150	150	200	300	400	300	400	300
X-axis	Precision	mm	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
	Itinerary	mm	600	600	600	600	600	600	600	600	600
	Maximum Speed	mm/s	200	200	200	200	200	200	200	200	200
	Motor Power	kW	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
R-axis	Precision	mm	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
	Itinerary	mm	150	150	150	150	150	150	150	150	150
	Maximum Speed	mm/s	100	100	100	100	100	100	100	100	100
	Motor Power	kW	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
Size	Length	mm	1850	2750	2750	3450	3450	4250	3450	4250	3450
	Width	mm	1250	1250	1350	1350	1580	1580	1580	1580	1680
	Height	mm	2180	2180	2320	2320	2550	2550	2550	2550	2720

Parameters are subject to change without notice, and the above models can use dual-machine linkage.



160T/4000	200T/3200	200T/4000	200T/5000	200T/6000	250T/3200	250T/4000	250T/5000	300T/3200	300T/4000	300T/5000	300T/6000
1600	2000	2000	2000	2000	2500	2500	2500	3000	3000	3000	3000
4000	3200	4000	5000	6000	3200	4000	5000	3200	4000	5000	6000
3355	2655	3355	4000	5000	2600	3100	4000	2600	3100	4000	5000
350	350	350	350	350	400	400	400	400	400	400	400
200	200	200	200	200	250	250	250	250	250	250	250
900	900	900	950	950	1000	1000	1050	1000	1000	1050	1050
475	475	475	475	475	540	540	540	540	540	540	540
160	140	140	140	140	100	100	100	100	100	100	100
10	10	10	10	10	9	9	9	9	9	9	9
140	110	110	110	110	80	80	80	80	80	80	80
11	15	15	15	15	18.5	18.5	18.5	22	22	22	22
25	32	32	32	32	40	40	40	50	50	50	50
	CYBELEC Swiss Y1, Y2, X, R axis CNC control system and mechanical deflection compensation										
400	300	400	500	600	500	600	700	500	600	700	800
±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
600	600	600	600	600	600	600	600	600	600	600	600
200	200	200	200	200	200	200	200	200	200	200	200
0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10	±0.10
150	150	150	150	150	150	150	150	150	150	150	150
100	100	100	100	100	100	100	100	100	100	100	100
0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
4250	3450	4250	5250	6250	3450	4250	3450	3450	4250	5250	6250
1680	1680	1680	1760	1760	1860	1860	1960	1920	1920	2060	2060
2720	2720	2720	2920	2920	3120	3120	3320	3120	3120	3320	3320

Parameters are subject to change without notice, and the above models can use dual-machine linkage.





## MAP series

### NC Torsion Bar Hydraulic Press Brake E300P

#### Performance Characteristics

A large floor mantis milling machine is used to process the bending machine frame as a whole. Forged material shaft body, large rigidity, good elasticity, fine adjustment device, weak resistance to bias load.

Users can customize mold segments 10, 15, 20, 30, 50, 100, 300 (cm).

Using ESTUN or DELEM brand numerical control system, for users to choose.

Using ball screw and linear guide, driven by servo motor, the backgauge material positioning is fast and accurate.

The finger height is designed to be adjusted as a whole, and the finger height can be adjusted manually.

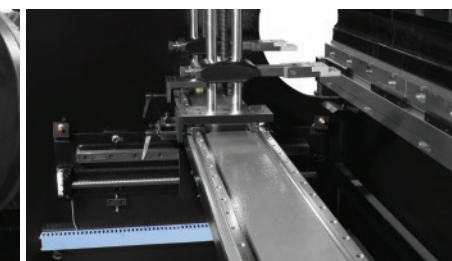
Improve the speed of mold replacement and improve work efficiency.



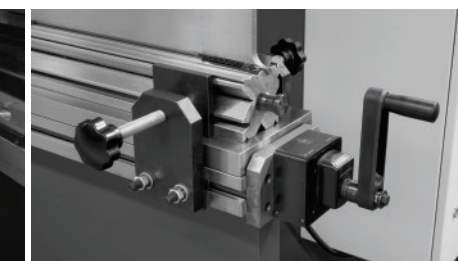
#### Detail Display



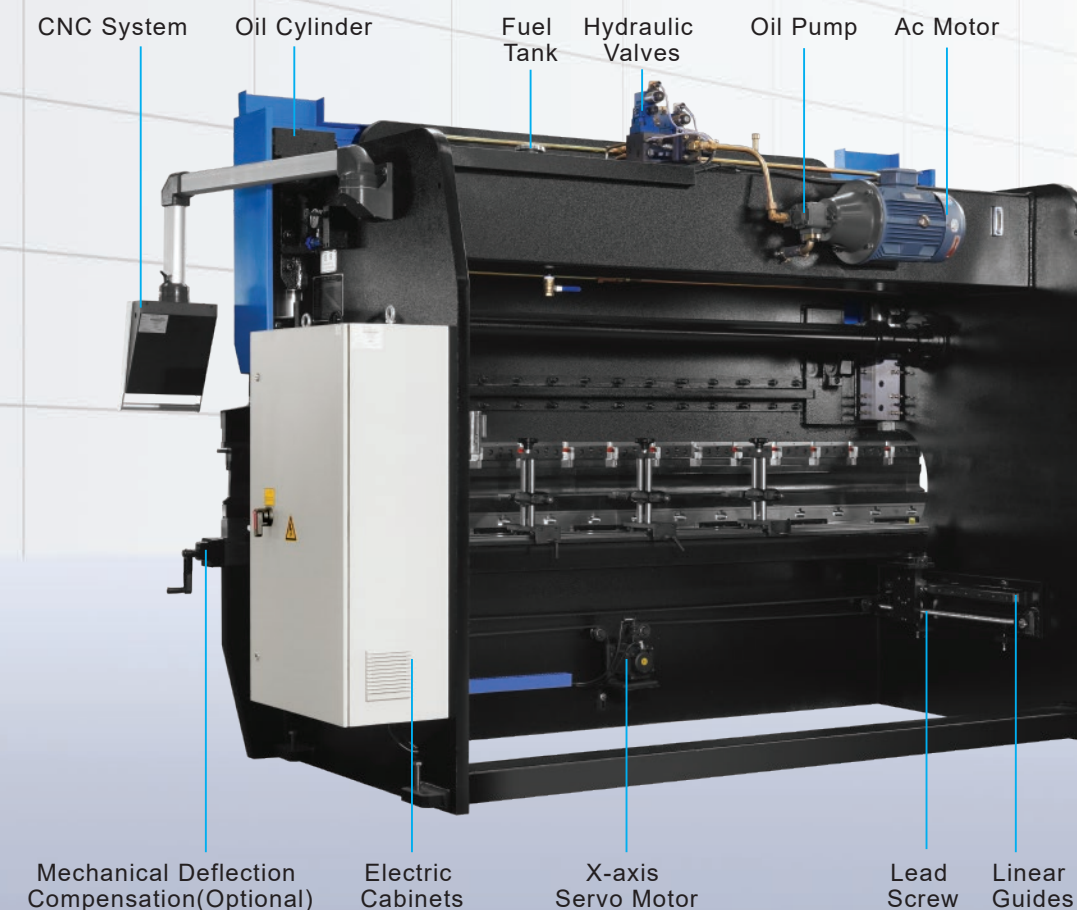
Brand Oil Pump



High Precision Backgauge

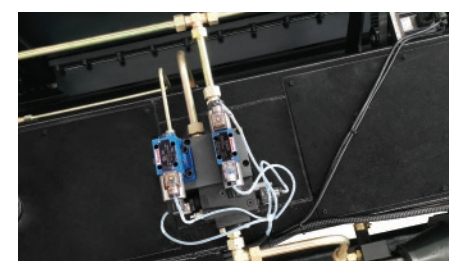


Manual Mechanical Crowning Compensation (optional)



#### E300P

- Adopting 10 "high-definition full color LCD touch screen display
- X, Y, R servo axes controlled by CAN bus;
- Deflection compensation supports both mechanical and hydraulic modes;
- Built-in machine action logic, multiple action modes;
- Built in mold library and editable material list;
- I/O ports can be freely configured;
- Configure USB interface for easy backup and upgrade;
- Built-in parameter backup/recovery function;
- Chinese/English optional, metric/English optional



German BOSCH Hydraulics



X-axis servo motor



E300P CNC System



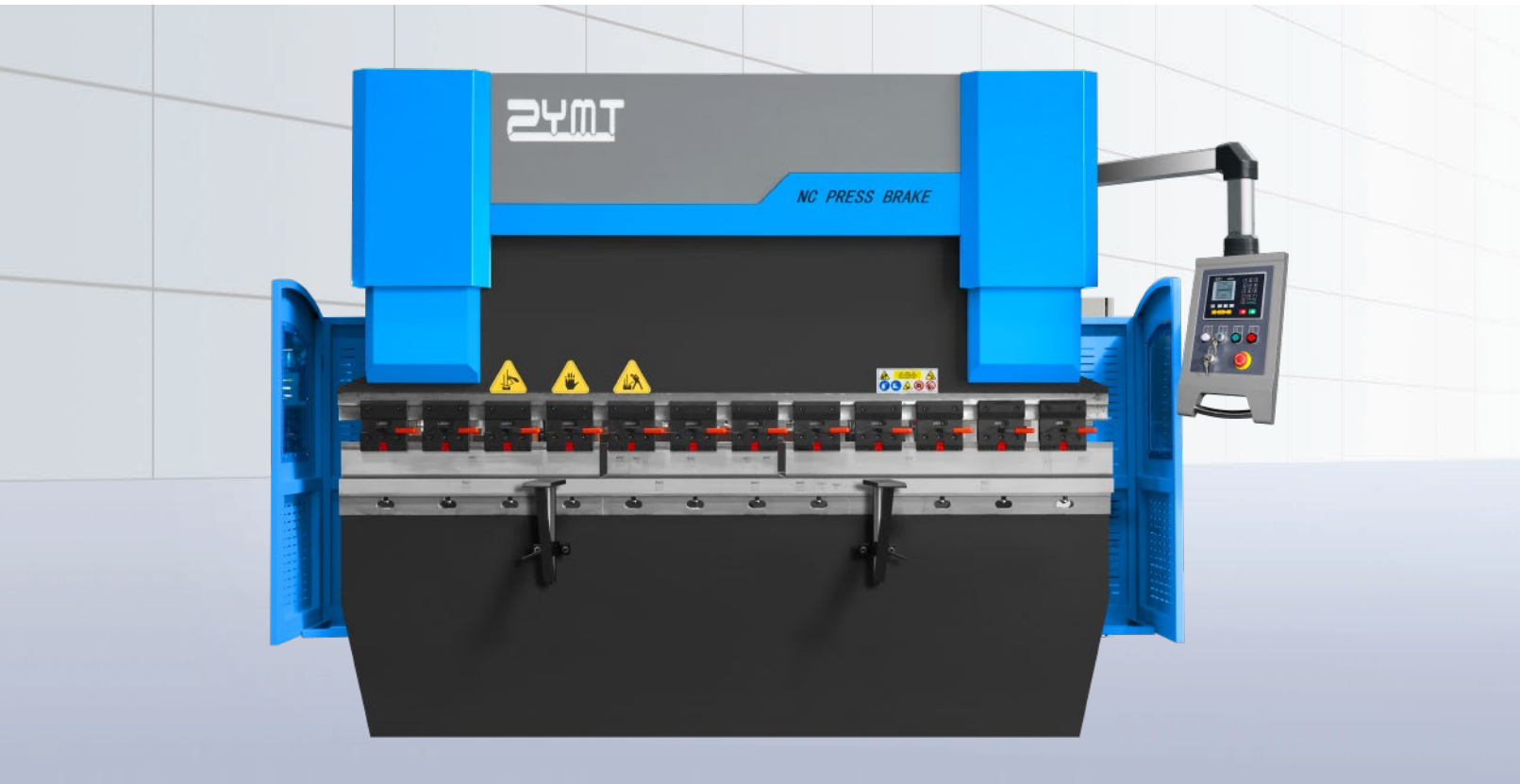
MAP series

NC Torsion Bar Hydraulic Press Brake E21



E21

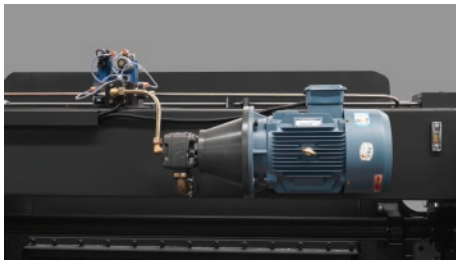
- LCD high-definition display.
  - Control backstop shaft (X) and stop shaft (Y).
  - Automatic fast movement and low speed positioning.
  - Independent manual movement function in X/Y axis.
  - Bend count function.
  - Set the scale factor freely.
  - Multi-step programming, program automatic running, continuous positioning.
  - High-quality, tactile keys.
- Power off memory stoppers and stops of positions, programs, parameters.
  - Automatic back-off function to avoid interference between backliner and workpiece.
  - Unidirectional positioning function eliminates screw drive clearance.
  - Metric/imperial conversion function.
  - Hardware diagnostic functions.



Twisted axis synchronous structure



High Precision Backgauge



Brand oil pump and motor

Technical Parameters MAP Series

Model	Nominal pressure (KN)	Table length (mm)	Column spacing (mm)	Throat depth (mm)	Slider travel (mm)	Maximum opening height (mm)	Main motor power (kw)	Machine weight (ton)	Form factor LxWxH (mm)
30T/1600	300	1600	1200	180	90	280	4	1.8	1900*1200*1850
40T/1600	400	1600	1200	220	110	330	4	2.4	1900*1300*2000
40T/2200	400	2200	1650	220	110	330	5.5	2.5	2500*1300*2050
40T/2500	400	2500	1980	220	110	330	5.5	2.7	2800*1300*2050
50T/2200	500	2200	1650	220	110	330	5.5	2.6	2500*1300*2050
50T/2500	500	2500	1980	220	110	330	5.5	2.8	2800*1300*2050
63T/2500	630	2500	1980	260	120	350	5.5	3.8	2800*1400*2150
63T/3200	630	3200	2655	260	120	350	5.5	4.3	3500*1400*2150
80T/2500	800	2500	1980	320	120	380	7.5	4.5	2800*1500*2300
80T/3200	800	3200	2655	320	120	380	7.5	5.4	3500*1500*2300
80T/4000	800	4000	3355	320	120	380	7.5	6.8	4300*1500*2300
100T/2500	1000	2500	1980	320	150	410	7.5	5.2	2800*1600*2300
100T/3200	1000	3200	2655	320	150	410	7.5	6.2	3500*1600*2400
100T/4000	1000	4000	3355	320	150	410	7.5	7.6	4300*1600*2400
125T/2500	1250	2500	1980	320	150	410	11	5.4	2800*1600*2300
125T/3200	1250	3200	2655	320	150	410	11	6.4	3500*1600*2400
125T/4000	1250	4000	3355	320	150	410	11	7.8	4300*1600*2400
160T/3200	1600	3200	2655	320	200	470	11	9	3500*1750*2550
160T/4000	1600	4000	3355	320	200	470	11	10.3	4300*1750*2550
160T/5000	1600	5000	4000	320	200	470	11	14	5300*1850*2950
160T/6000	1600	6000	5000	320	200	470	11	16.8	6300*1850*2950
200T/3200	2000	3200	2655	320	200	470	11	9.6	3500*1750*2550
200T/4000	2000	4000	3355	320	200	470	11	10.8	4300*1750*2550
200T/5000	2000	5000	4000	320	200	470	11	15	5300*1850*2950
200T/6000	2000	6000	5000	320	200	470	11	17.3	6300*1850*2950
250T/3200	2500	3200	2520	400	250	530	18.5	15.8	3500*1850*3250
250T/4000	2500	4000	2920	400	250	530	18.5	17.8	4300*1850*3250
250T/5000	2500	5000	4000	400	250	530	18.5	20.5	5300*1950*3350
250T/6000	2500	6000	5000	400	250	530	18.5	23	6300*1950*3350
300T/3200	3000	3200	2520	400	250	540	22	17.5	3500*1950*3300
300T/4000	3000	4000	2920	400	250	540	22	19	4300*1950*3300
300T/5000	3000	5000	4000	400	250	540	22	23	5300*2050*3400
300T/6000	3000	6000	5000	400	250	540	22	26.5	6300*2050*3400
400T/4000	4000	4000	2920	400	250	540	30	22	4300*2150*3400
400T/5000	4000	5000	4000	400	250	540	30	29	5300*2250*3400
400T/6000	4000	6000	5000	400	250	540	30	34	6300*2250*3400

Parameters are subject to change without notice, and the above models can use dual-machine linkage.



## ZYS (RAS) series

### Hydraulic Guillotine (CNC) Shearing Machine

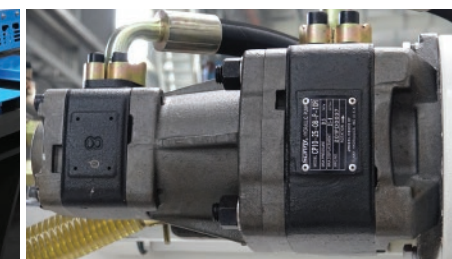
#### Performance Characteristics

It adopts European style machine shape design, novel and unique, beautiful and generous. The frame and tool holder are made of steel structural parts, and the upper tool holder is tempered to eliminate its internal stress, which has strong rigidity and good structural stability. Under the action of the oil cylinder, the knife holder moves up and down along the guide rail to realize the shearing action. The backgear is driven by a ball screw, and the adjustment of the stopper distance is driven by a motor. Accurate positioning, fast and smooth operation. The pressing mechanism is composed of a group of pressing cylinders, and the pressing cylinder overcomes the tension of the spring to press the sheet under the action of pressure oil. After the shearing is completed, it is reset by means of the pull of the spring. To facilitate the shearing of wider sheets, a front carrier is provided on the front of the machine. One of them has a ruler and side positioning stops. The hydraulic system has overload overflow safety protection, the oil level is clearly and intuitively displayed, the machine tool can work continuously for 16 hours under rated load, the hydraulic system guarantees no leakage, continuous and stable processing, and high precision.

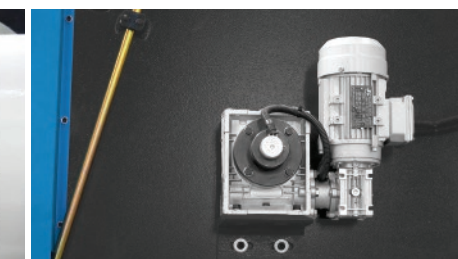
#### Detail Display



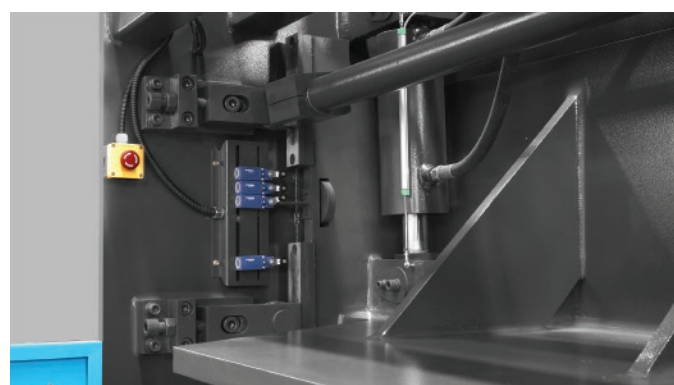
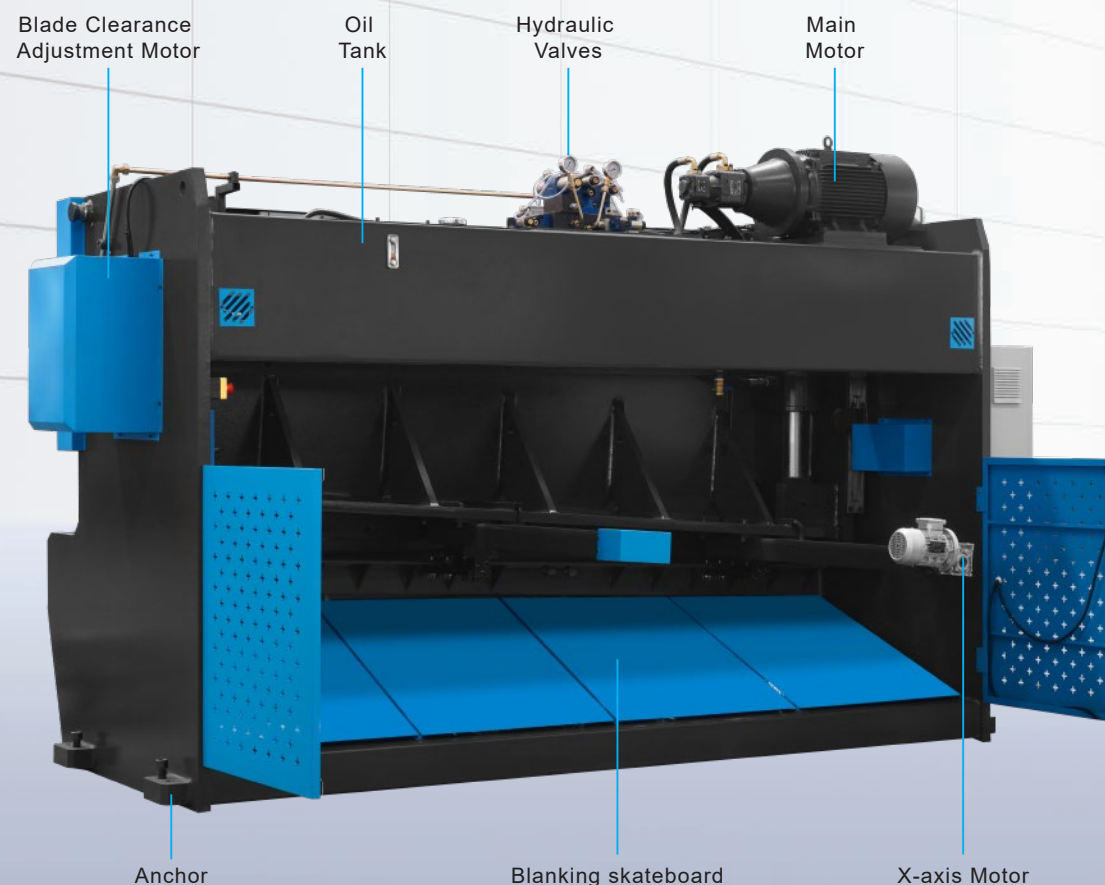
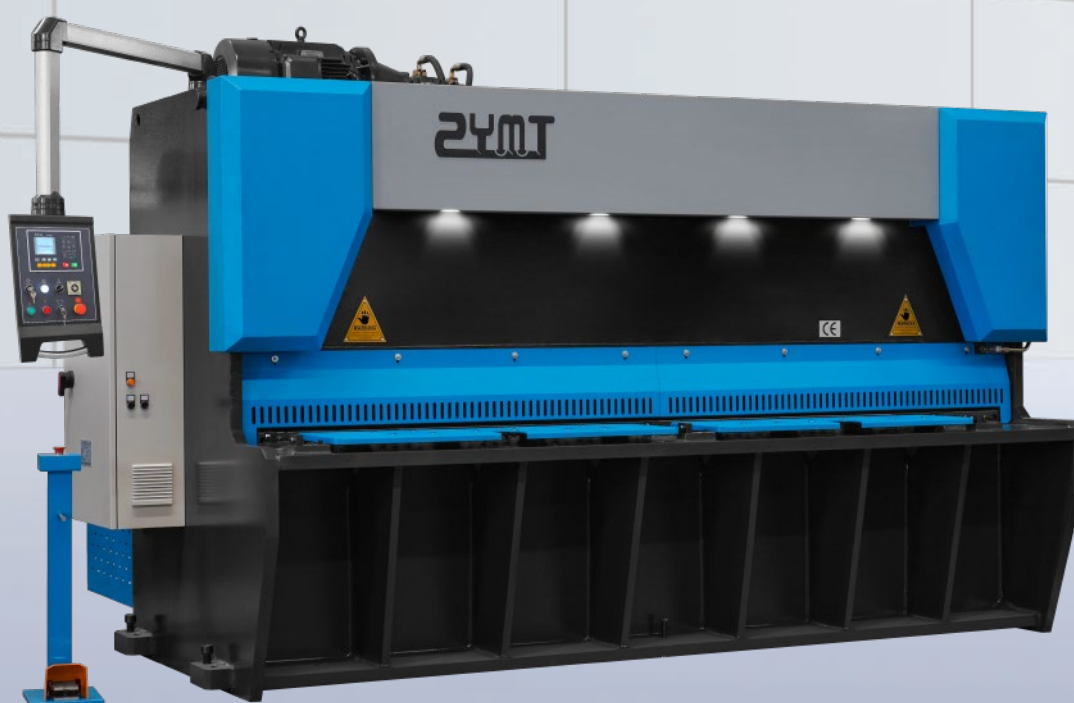
The Front Feeding Positioning  
Is Close To The Ruler



Imported Sunny Oil Pump



Electrically Adjustable Blade Clearance



#### Three-point rolling guide

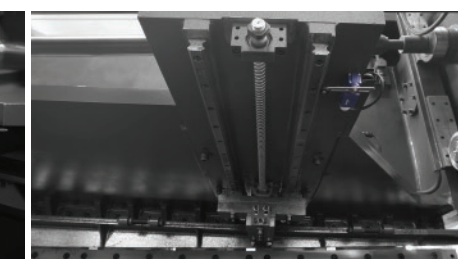
- Three-point rolling guide. The front pre-pressure guide allows the tool holder to always be attached to the rear upper roller and the rear lower roller with no backlash in reciprocating motion.
- The roller is imported products.
- The upper tool holder is tilted forward to shear, and the quality of the shear section is high.
- The upper fulcrum is fixed, and the accuracy is well maintained.
- Quickly adjust the blade gap through the lower fulcrum, which is convenient and reliable, and the appropriate blade gap will obtain a satisfactory shear section of technetium.



Press Cylinder



X-axis Servo Motor For Backliner (Optional)



Ball Screws And Linear Guides



## ZYS series

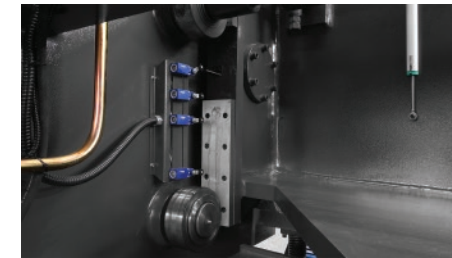
### Hydraulic Guillotine (CNC) Shearing Machine

#### Performance Characteristics

The frame and tool holder are made of steel structural parts, and the upper tool holder is tempered to eliminate its internal stress, which has strong rigidity and good structural stability. Under the action of the oil cylinder, the knife holder moves up and down along the guide rail to realize the shearing action. The backgear is driven by a ball screw, and the adjustment of the stopper distance is driven by a motor. Accurate positioning, fast and smooth operation. The pressing mechanism is composed of a group of pressing cylinders, and the pressing cylinder overcomes the tension of the spring to press the sheet under the action of pressure oil. After the shearing is completed, it is reset by means of the pull of the spring. To facilitate the shearing of wider sheets, a front carrier is provided on the front of the machine. One of them has a ruler and side positioning stops. The hydraulic system has overload overflow safety protection, the oil level is clearly and intuitively displayed, the machine tool can work continuously for 16 hours under rated load, the hydraulic system guarantees no leakage, continuous and stable processing, and high precision.



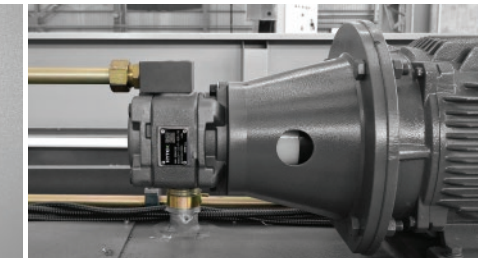
#### Detail Display



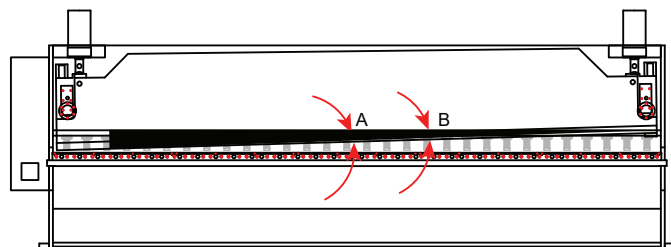
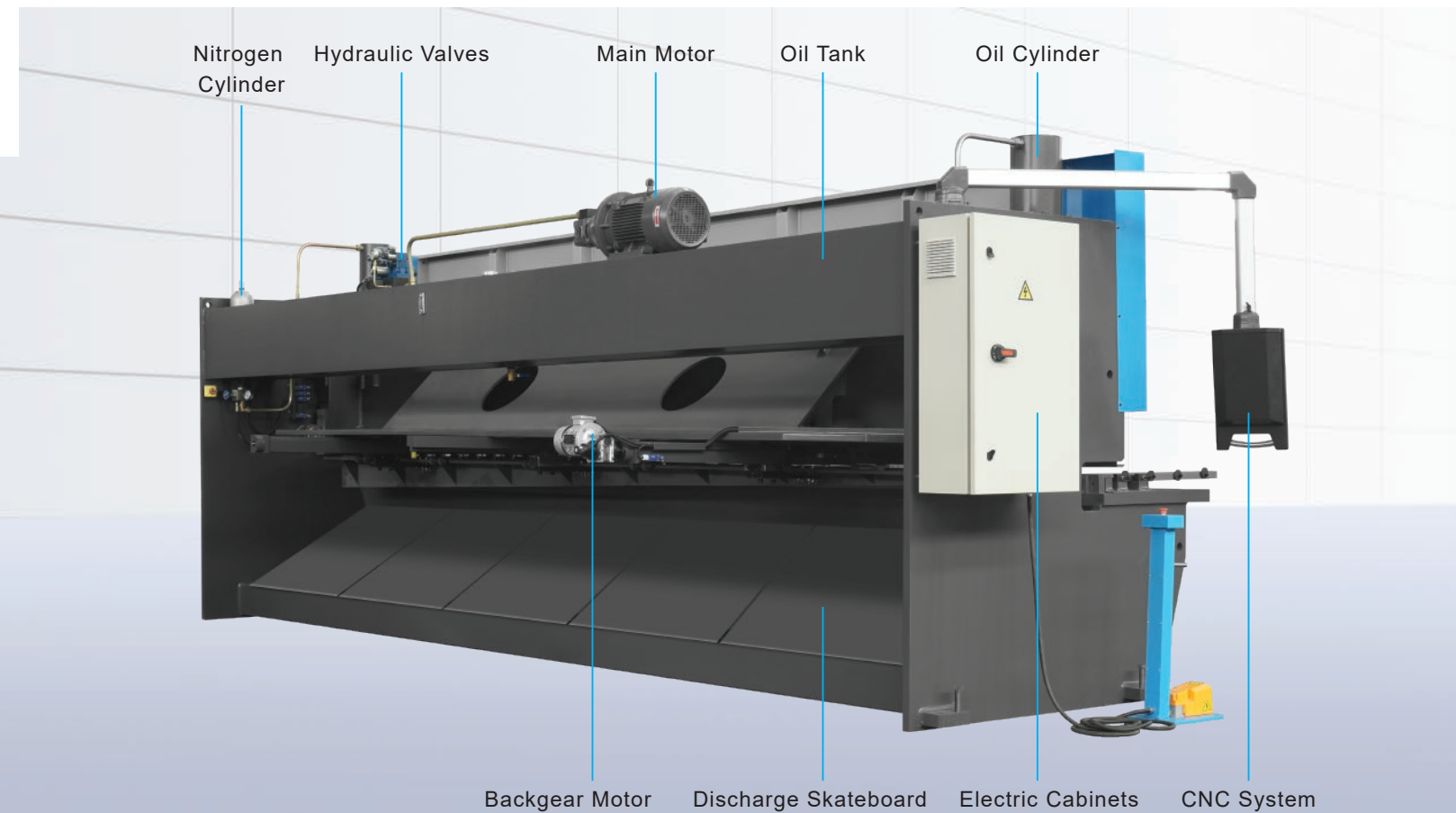
Vertical Motion Rails



Electrically Adjustable Blade Clearance

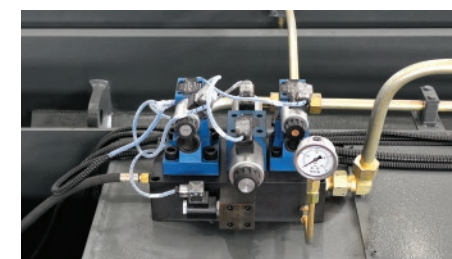


Imported Hytek Oil Pump



#### The shear angle can be adjusted

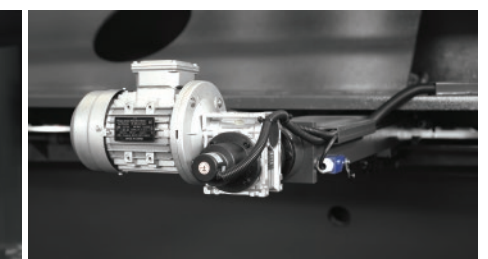
- Maneuverable adjustment of shear angle, convenient and fast, straight incision without burrs.
- Hydraulic electronic control to adjust the shear angle. The cutting angle can be adjusted within the specified range. The shear quality can be further improved when cutting thin plates, and the angle of the sheared plate can be increased when cutting thick plates. The advantage of the adjustable shear angle when cutting narrow strips is even more prominent: the smaller shear angle reduces the twisting deformation of the strips.



High Quality Hydraulic Manifold



Nitrogen Return Valve



Backgear Motor



CNC System (Optional)

### DAC360T



- Panel mounting
- Bright LCD display
- Rear/front stopper control
- Back-off function
- Shear angle and gap control
- Cut stroke limit
- All axes can be moved manually
- Pressure control
- Plate thickness detection
- Return to feeding position function
- Second and third servo axis control
- Sheet metal support function



### E21S

- LCD high-definition display.
- Control backline shaft (X).
- Automatic fast movement and low speed positioning.
- Independent manual movement function in X-axis.
- Cut counting function.
- Set the scale factor freely.
- Multi-step programming, program automatic running, continuous positioning.
- Power off memory stoppers and stops of positions, programs, parameters.
- Automatic back-off function to avoid interference between backliner and workpiece.
- Unidirectional positioning function eliminates screw drive clearance.
- Metric/imperial conversion function.
- Hardware diagnostic functions.
- High-quality, tactile keys.

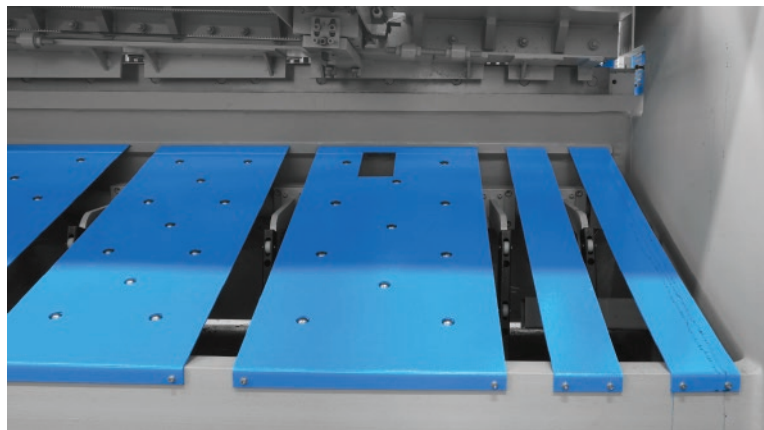
### E200PS



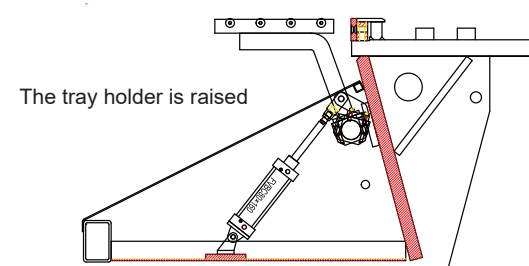
- Color LCD high-definition display, with Chinese and English two languages optional, one page to display programming parameters, writing programs more quickly and conveniently.
- Using CAN bus technology, servo control X, Y axis, high control accuracy, resolution up to 0.001;
- Simple installation and wiring, which improves the reliability of the system. Shear stroke: built-in shear time relay, simple operation, cost saving
- Built-in knife edge clearance, shear stroke, concession delay and other control functions, can set parameters according to actual needs, real-time control of gap shearing, concession, etc.
- Knife edge gap: encoder feedback, timely display of knife gap size, simple and convenient operation.
- With machine tool action control function, simplify the wiring in the electric cabinet, save costs and improve reliability.
- All buttons on the panel are micro switches, which have been strictly tested by EMC, high and low temperature, vibration and other strict tests to ensure the stability and service life of the product.
- With self-diagnosis and real-time alarm function, debugging and maintenance are more convenient.
- Reserved security interface for easy expansion.
- With one-click parameter backup and restore function, parameters can be restored at any time as needed, reducing maintenance costs.
- All buttons on the panel are micro switches, which have been strictly tested by EMC, high and low temperature, vibration and other strict tests to ensure the stability and service life of the product.
- Passed CE certification to meet the needs of overseas markets.

Optional

### Pneumatic Carrier Construction



When shearing the sheet, the steel plate is horizontally supported to improve the accuracy of the shearing steel plate, and at the same time facilitate the sliding out of the sheared sheet.



## Technical Parameters ZYS (RAS) Series

Model	Thickness (mm)	Width (mm)	Cutting Angle(°)	Backgear Travel(mm)	Weight (T)	Overall Dimension L×w×h(mm)			Power (Kw)
6x2500	6	2500	1~3	20~750	5.2	3200	2080	2000	7.5
6x3200	6	3200	1~3	20~750	6.1	3800	2080	2030	7.5
6x4000	6	4000	1~3	750	8.9	4600	2130	2200	11
6x5000	6	5000	0.5~1.5	750	14	5650	2300	2460	11
6x6000	6	6000	0.5~1.5	750	16.8	6650	2300	2460	11
8x2500	8	2500	1~3	750	5.5	3200	2080	2000	11
8x3200	8	3200	1~3	750	6.5	3800	2080	2120	11
8x4000	8	4000	1~3	750	9	4600	2130	2220	11
8x5000	8	5000	0.5~1.5	750	15	5650	2330	2570	11
8x6000	8	6000	0.5~1.5	750	18.5	6650	2330	2570	11
10x2500	10	2500	0.5~2	750	7.2	3200	2080	2020	15
10x3200	10	3200	0.5~2	750	8.6	3850	2140	2200	15
10x4000	10	4000	0.5~2	750	10.5	4650	2180	2320	15
10x5000	10	5000	0.5~2	750	19	5650	2350	2700	15
10x6000	10	6000	0.5~2	750	23	6650	2400	2800	15
12x2500	12	2500	0.5~2	750	8	3150	1850	2110	15
12x3200	12	3200	0.5~2	750	9.4	3850	1820	1920	18.5
12x4000	12	4000	0.5~2	750	11.8	4650	1950	2100	18.5
12x6000	12	6000	0.5~2	750	26	6650	2350	2880	18.5
16x2500	16	2500	1~2.5	750	9.2	3150	2130	2130	22
16x3200	16	3200	1~2.5	750	11.8	3850	2230	2250	22
16x4000	16	4000	1~2.5	750	15.2	4650	2230	2560	22
16x5000	16	5000	1~2.5	750	29	5800	2300	2250	22
16x6000	16	6000	1~2.5	750	34	6800	2380	3020	22
20x2500	20	2500	1~3	750	12	3200	2130	2500	30
20x3200	20	3200	1~3	750	14.8	3900	2280	2600	30
20x4000	20	4000	1~3	750	19	4700	2380	2850	30
20x6000	20	6000	1~3	750	43	6800	2600	3360	30
25×2500	25	2500	1~3.5	750	14.7	3200	2130	2620	37
25×3200	25	3200	1~3.5	750	19	3900	2230	2810	37
25×4000	25	4000	1~3.5	750	24	4700	2380	2860	37
30x2500	30	2500	1~3.5	750	19	3200	2280	3010	45
30x3200	30	3200	1~3.5	750	26	3900	2380	3110	45

Parameters change without notice.



## MAS series

### Hydraulic Swing Beam Shearing Machine ( E21S )

#### Performance Characteristics

The UG (finite element) analysis method was used to optimize the design with computer aid. The fuselage adopts integral steel plate welded structure, which has good strength, rigidity and vibration resistance. Internal stress relief by tempering. The whole frame is sanded to remove rust and sprayed with anti-rust paint. The table is equipped with an auxiliary tool holder for easy blade adjustment. The work surface is equipped with feeding balls, which is light to operate. The blade gap adjustment adopts stepless adjustment mechanism to adapt to the shearing needs of different plate thicknesses and materials. Rectangular lower blade with four cutting edges for extended blade life. Adjust the shear stroke to improve processing efficiency and realize segmented shearing function. The number of cuts is automatically counted, which reduces the inventory work of cumbersome locks.



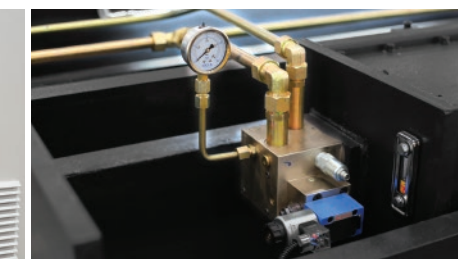
#### Detail Display



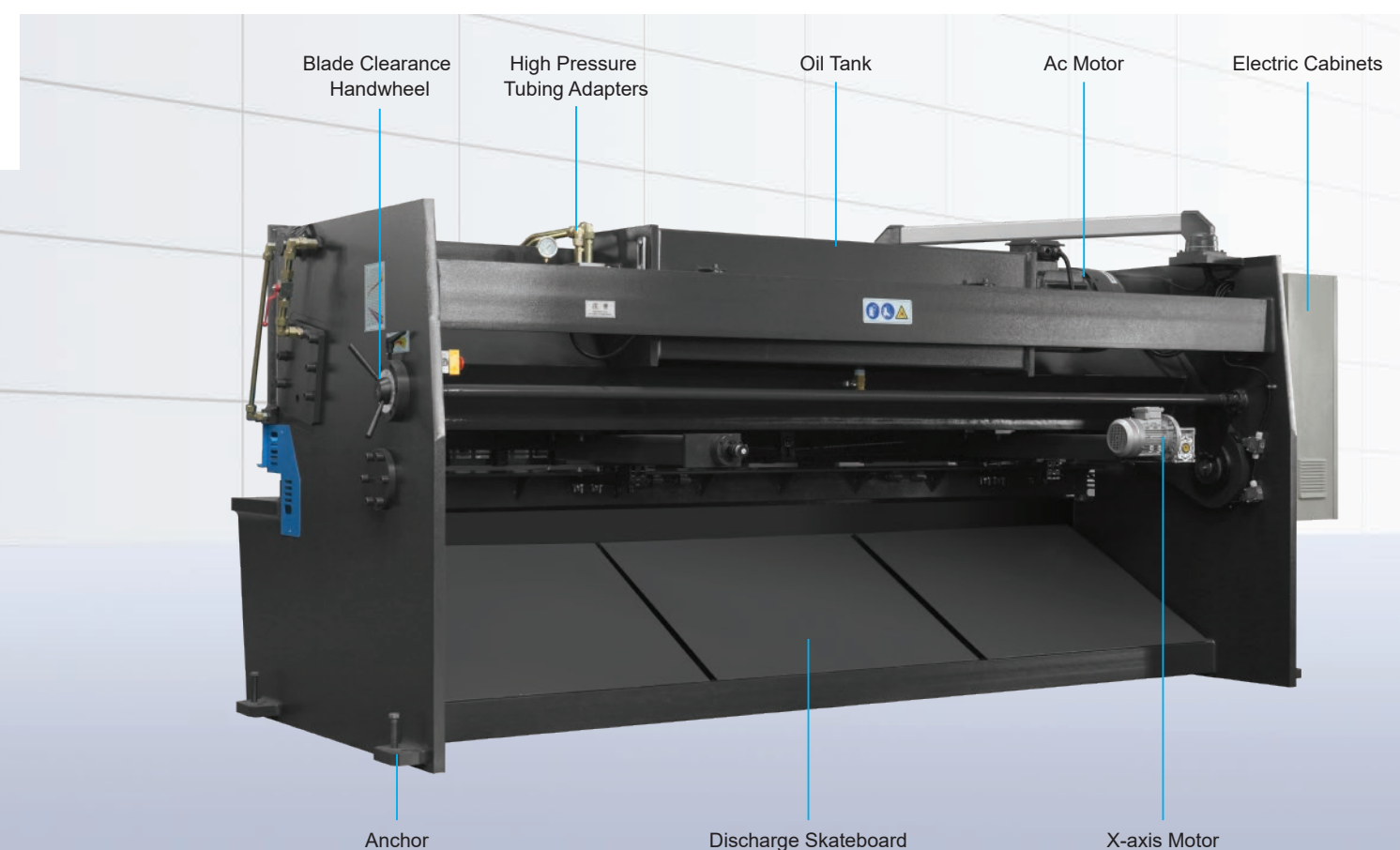
Brand Main Motor And Oil Pump



Pendulum Tool Holder Structure



Rexroth Hydraulic Valves



#### E21S

- LCD high-definition display.
- Control backline shaft (X).
- Automatic fast movement and low speed positioning.
- Independent manual movement function in X-axis.
- Cut counting function.
- Set the scale factor freely.
- Multi-step programming, program automatic running, continuous positioning.
- Power off memory stoppers and stops of positions,

- programs, parameters.
- Automatic back-off function to avoid interference between backliner and workpiece.
- Unidirectional positioning function eliminates screw drive clearance.
- Metric/imperial conversion function.
- Hardware diagnostic functions.
- High-quality, tactile keys.



Blade Clearance Adjustment Handwheel



X-axis Ball Screw And Grinding Light Rod



X-axis Drive Motor



MAS series

Hydraulic CNC Swing Beam Shearing Machine



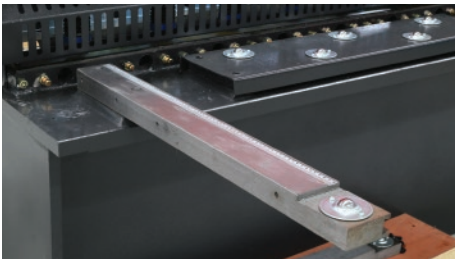
DAC360T

- Panel mounting
- Bright LCD display
- Rear/front stopper control
- Back-off function
- Shear angle and gap control
- Cut stroke limit
- All axes can be moved manually
- Pressure control
- Plate thickness detection
- Return to feeding position function
- Second and third servo axis control
- Sheet metal support function

Delem | Integrated touchscreen

The bright LCD display and easy-to-operate touch screen make it very convenient for users to operate. The operator relies on clear icons to easily complete all functions of data programming.

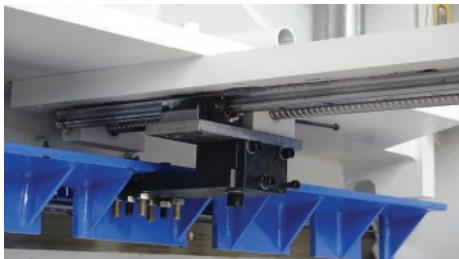
The DAC-362T supports two and three stopper shaft controls, providing control of additional stoppers and related functions. All pressures of clamping and shearing can be effectively controlled on the DAC-360T.



Position The Ruler  
In Front Of The Workbench



Backgauge Servo Motor



Ball Screws And Linear Guides

Technical Parameters MAS Series

Model	Thickness (Mm)	Width (Mm)	Cutting Angle (°)	Material Strength (Kn/cm)	Backgear Travel (Mm)	Cutting Times (T/min)	Power (Kw)	Weight (T)	Overall Dimension L×w×h(Mm)
4×2500	4	2500	1°30′	≤450	20-600	16	5.5	3.4	3100×1700×1650
4×3200	4	3200	1°30′	≤450	20-600	14	5.5	4	3800×1700×1650
4×4000	4	4000	1°30′	≤450	20-600	10	5.5	5.6	4600×1750×1750
6×2500	6	2500	1°30′	≤450	20-600	14	7.5	4.4	3100×1750×1700
6×3200	6	3200	1°30′	≤450	20-600	12	7.5	5.1	3800×1750×1700
6×4000	6	4000	1°30′	≤450	20-600	8	7.5	7.6	4600×1850×1850
6×5000	6	5000	1°30′	≤450	20-600	6	11	12.5	5600×2050×2180
6×6000	6	6000	1°30′	≤450	20-600	5	11	14.8	6600×2120×2230
8×2500	8	2500	1°30′	≤450	20-600	10	11	5.3	3100×1750×1700
8×3200	8	3200	1°30′	≤450	20-600	8	11	6.5	3800×1750×1700
8×4000	8	4000	1°30′	≤450	20-600	8	11	7.7	4600×1850×1850
8×5000	8	5000	1°30′	≤450	20-600	8	11	13.5	5600×2100×2230
8×6000	8	6000	1°30′	≤450	20-600	8	11	15.8	6600×2200×2300
10×2500	10	2500	2°	≤450	20-600	9	11	6.5	3100×2820×1920
10×3200	10	3200	2°	≤450	20-600	9	11	7.7	3800×1820×1920
10×4000	10	4000	2°	≤450	20-600	8	11	9	4600×1900×2000
10×6000	10	6000	2°	≤450	20-750	5	15	22	6600×2400×2350
12×2500	12	2500	2°	≤450	20-600	9	18.5	8	3100×1850×2020
12×3200	12	3200	2°	≤450	20-600	9	18.5	9.4	3800×1820×1920
12×4000	12	4000	2°	≤450	20-600	8	18.5	11.8	4600×1950×2100
12×5000	12	5000	2°	≤450	20-750	6	18.5	21	5600×2400×2350
12×6000	12	6000	2°	≤450	20-750	5	18.5	26	6600×2400×2350
16×2500	16	2500	2°30′	≤450	20-600	9	22	9.2	3100×1950×2080
16×3200	16	3200	2°30′	≤450	20-600	8	22	10.6	3800×1950×2080
16×4000	16	4000	2°30′	≤450	20-600	8	22	15.3	4600×2300×2180

Parameters change without notice.



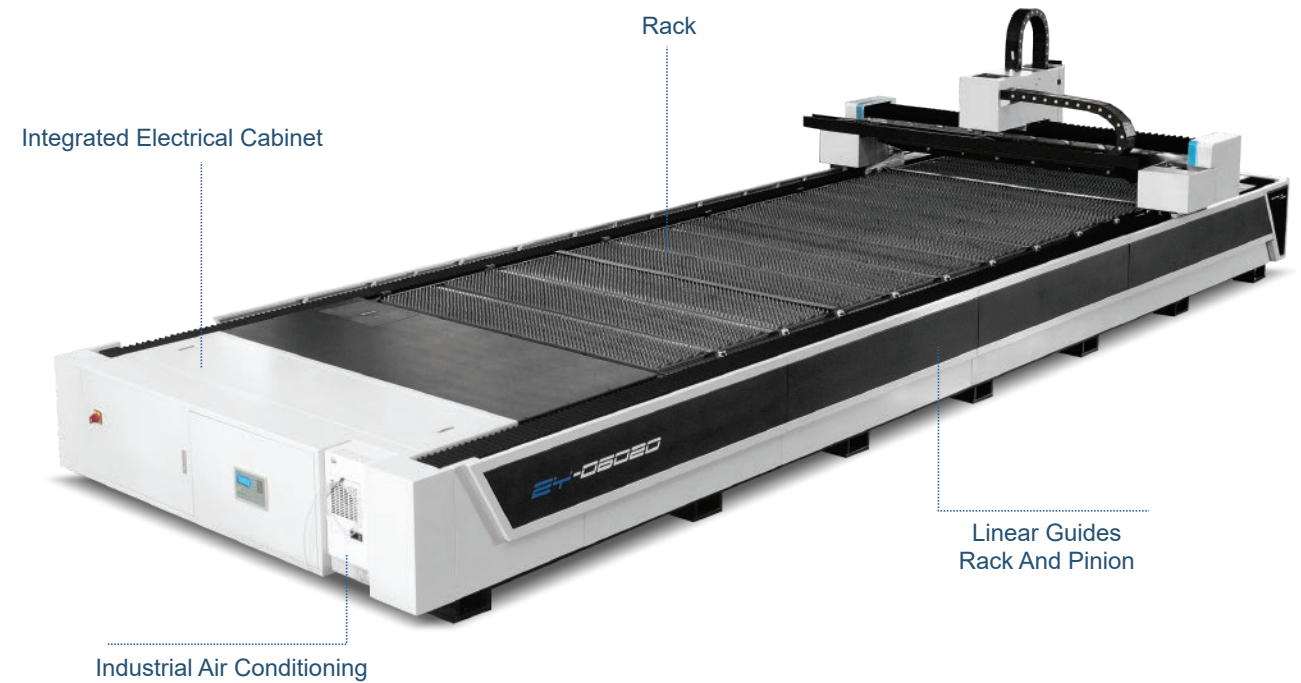
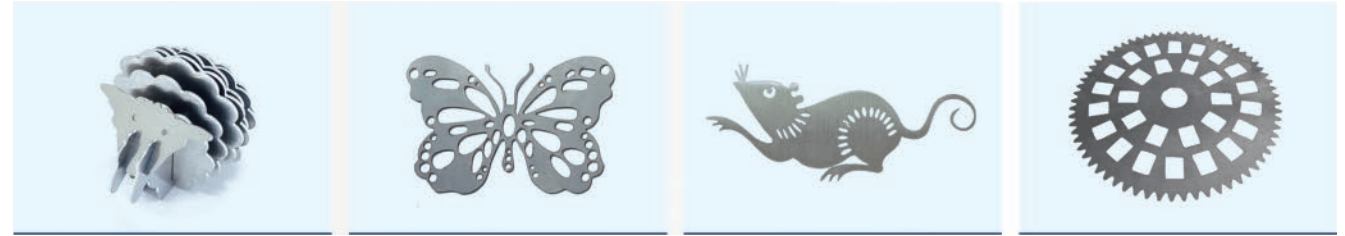
## ZYD series

### Fiber Laser Cutting Machine

#### Performance Characteristics

ZYD series fiber laser cutting machine has many unique advantages in laser cutting applications. Excellent beam quality, suitable for high-speed and high-precision cutting. Small size for higher integration. The laser output power is stable and the equipment reliability is high. High efficiency, low energy consumption, good dynamic characteristics of cost saving, high work efficiency.

#### Sample Display

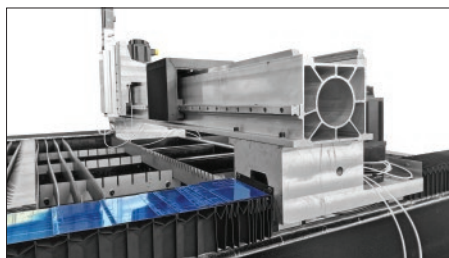


Project	Unit	ZYD-3015	ZYD-4015	ZYD-6015	ZYD-4020	ZYD-6020	ZYD-6025
Cutting Range	mm	3000*1500	4000*1500	6000*1500	4000*2000	6000*2000	6000*2500
Laser Power		≤10000W	≤10000W	≤10000W	≤30000W	≤30000W	≤30000W
Acceleration	m/s <sup>2</sup>	10	10	10	10	10	10
Positioning Accuracy	mm/m	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
Repeatability	mm	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03

\*The displayed parameters are for reference only, the actual parameter information is subject to the actual product

Project	Unit	ZYD-8025	ZYD-9025	ZYD-10025	ZYD-13025	ZYD-13030
Cutting Range	mm	8000*2500	9000*2500	10000*2500	13000*2500	13000*3000
Laser Power		≤30000W	≤50000W	≤50000W	≤50000W	≤50000W
Acceleration	m/s <sup>2</sup>	10	10	10	10	10
Positioning Accuracy	mm/m	±0.02	±0.02	±0.02	±0.02	±0.02
Repeatability	mm	±0.03	±0.03	±0.03	±0.03	±0.03

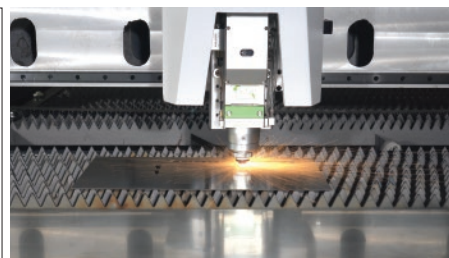
\*The displayed parameters are for reference only, the actual parameter information is subject to the actual product



High-density aluminum alloy beam,  
good dynamic performance



The plate and tube are combined  
with welding, thick and resolute



Fast and precise laser cutting head



## ZYP series

### Exchange Table Fiber Laser Cutting Machine

#### Performance Characteristics

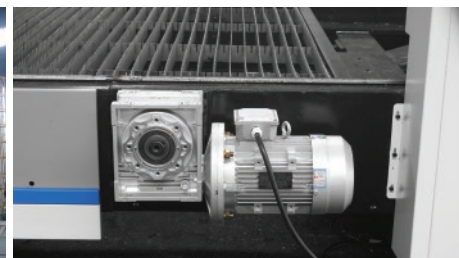
New closed design, fast exchange of double tables, can be processed while unloading, fast speed, small cutting seam, smooth section, simple operation and low energy consumption, suitable for large-scale continuous processing, highlighting the competitive advantage of cutting



CNC Machining Of The Bed



The Bed Is Annealed As A Whole



High-power Drive

#### Sample Display



#### Parallel exchange workbench

High-speed parallel switching table design, double workbench simultaneous exchange, can complete the exchange quickly, less machine idle time.  
The thickened warp and weft welded mesh tray is adopted, which has solid material and good load-bearing performance. Easy to operate and maintain.

#### Branded laser cutting head

- No need for manual manual focusing, the software automatically adjusts the focusing mirror, controls the upper and lower heights, so as to realize automatic perforation and cutting of plates of different thicknesses, and the software remembers the focal length of different plates, which is simpler to operate and ten times the speed of labor.
- Accuracy 0.01mm, suitable for 0~20mm different types of plates.
- Collimation lens focusing lens double water cooling, reduce the temperature of the cutting head, improve the life of the cutting head.



Project	Unit	ZYP-3015	ZYP-4020	ZYP-6020	ZYP-6025	ZYP-8025	ZYP-10025
Cutting Range	mm	3000*1500	4000*2000	6000*2000	6000*2500	8000*2500	10000*2500
Laser Power	W	≤10000W	≤30000W	≤30000W	≤30000W	≤30000W	≤50000W
Acceleration	m/s <sup>2</sup>	20	20	20	20	20	20
Positioning Accuracy	mm/m	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
Repeatability	mm	±0.03	±0.03	±0.03	±0.03	±0.03	±0.03

\*The displayed parameters are for reference only, the actual parameter information is subject to the actual product



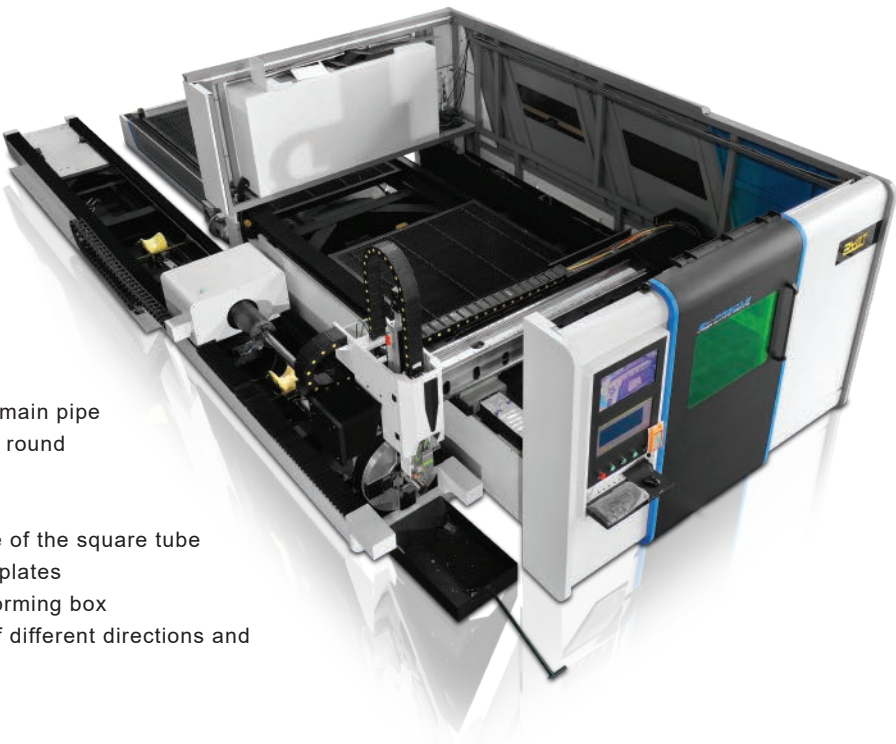
ZYPR series

Fiber Laser With Tube Cutting Machine

Performance  
Characteristics

The tube sheet is integrated cutting, easy to exchange, not only can cut the flat plate, but also can meet the needs of users for round tube, square tube cutting and forming box hole processing.

Sample Display

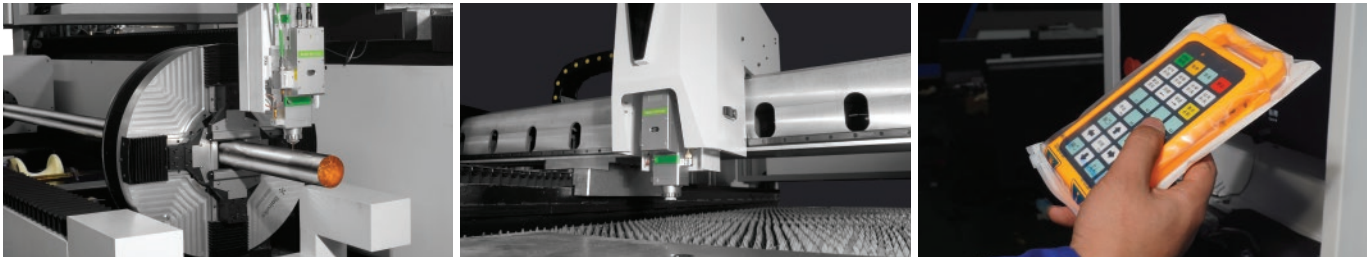


The end face of the oblique section can be cut at the end of the round tube  
It can cut the end of the branch pipe intersection line that intersects the ring main pipe  
It can cut square holes, waist holes and round holes on round tubes  
Steel pipe truncation is possible  
It can cut various shapes on the surface of the square tube  
Can cut different specifications of steel plates  
It can open holes and cut holes in the forming box  
Multiple round pipe intersection holes of different directions and diameters can be cut on the main pipe



Project	Unit	ZYPR-3015	ZYPR-4020	ZYPR-6020	ZYPR-6025	ZYPR-8025
Sheet Cutting Range	mm	3000*1500	4000*2000	6000*2000	6000*2500	8000*2500
Laser Power	W	≤10000W	≤30000W	≤30000W	≤30000W	≤30000W
Tube Length	mm	6000~12000	6000~12000	6000~12000	6000~12000	6000~12000
Cut Pipe Diameter	mm	200~360	200~360	200~360	200~360	200~360
Acceleration	m/s <sup>2</sup>	20	20	20	20	20
Positioning Accuracy	mm/m	±0.02	±0.02	±0.02	±0.02	±0.02
Repeatability	mm	±0.03	±0.03	±0.03	±0.03	±0.03

\*The displayed parameters are for reference only, the actual parameter information is subject to the actual product



Pipe Cutting

Plate Cutting

Remote Control



ZYR series

Fiber Laser Tube Cutting Machine

Performance  
Characteristics

The special tube laser cutting machine consists of 7 axes  
It can realize the cutting of various pipes such as round pipes, square tubes, rectangular tubes, and round tubes  
Realize the one-time formation and processing of 6 meters of pipe, and choose 9 meters, 12 meters and other different pipe lengths, pipe diameter cutting machines  
The equipment matches the feeding shaft and the pulling shaft, which can greatly reduce the waste of processing tailings  
It can cut multiple pipes of different directions and diameters on the main pipe  
Can cut variable angle groove surface  
It is known as the cutting machine and material expert in the industry



Project	Unit	ZYR-6022	ZYR-6036	ZYR-9036
Cut Pipe Length	mm	6000	6000	9000
Chuck Diameter	mm	220	360	360
Laser Power	W	≤12000W	≤12000W	≤12000W
Acceleration	m/s <sup>2</sup>	10	10	10
Positioning Accuracy	mm/m	±0.02	±0.02	±0.02
Repeatability	mm	±0.03	±0.03	±0.03
Rotary Axis Speed	rmp	80	80	80

\*The displayed parameters are for reference only, the actual parameter information is subject to the actual product

ZYH series

Handheld Fiber Laser Welding Machine

Performance  
Characteristics

Use fiber laser as heat source to realize hand-held welding;  
The handheld welding head is equipped with 5 meters of optical fiber, which is flexible and convenient, and can realize outdoor welding;  
The operation mode of the hand-held welding gun can realize the welding of any part and any angle of the workpiece;  
Intelligent switching of dual optical paths, uniform distribution of time-sharing light energy;  
Suitable for all kinds of complex welds and spot welding of various devices;  
CCD camera monitoring system for easy observation and precise positioning.  
Suitable for stainless steel industry, advertising industry, etc.



Part Name	Project	Unit	1000w	1500w	2000w
Laser	Power Consumption	Kw	3.5	5	6.5
Water Cooler	Power Consumption	Kw	1.7	1.7	2.5
Whole Machine	Power Consumption	Kw	6	7	9
	Electricity Demand		220v	220v	220v
	Dimensions	Cm	96*60*102	96*60*102	120*66*120
	Weight	Kg	200	200	200

\*The displayed parameters are for reference only, the actual parameter information is subject to the actual product