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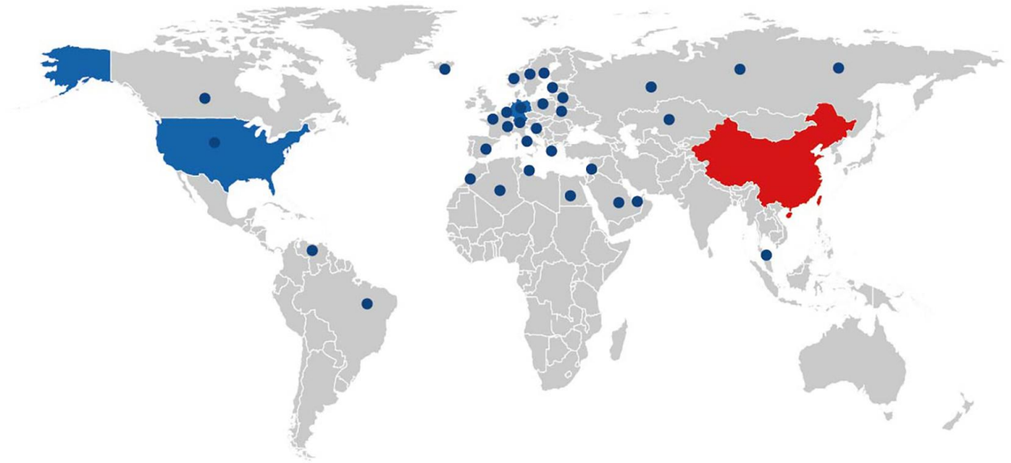

linkedin facebook instagram twitter youtube vimeo

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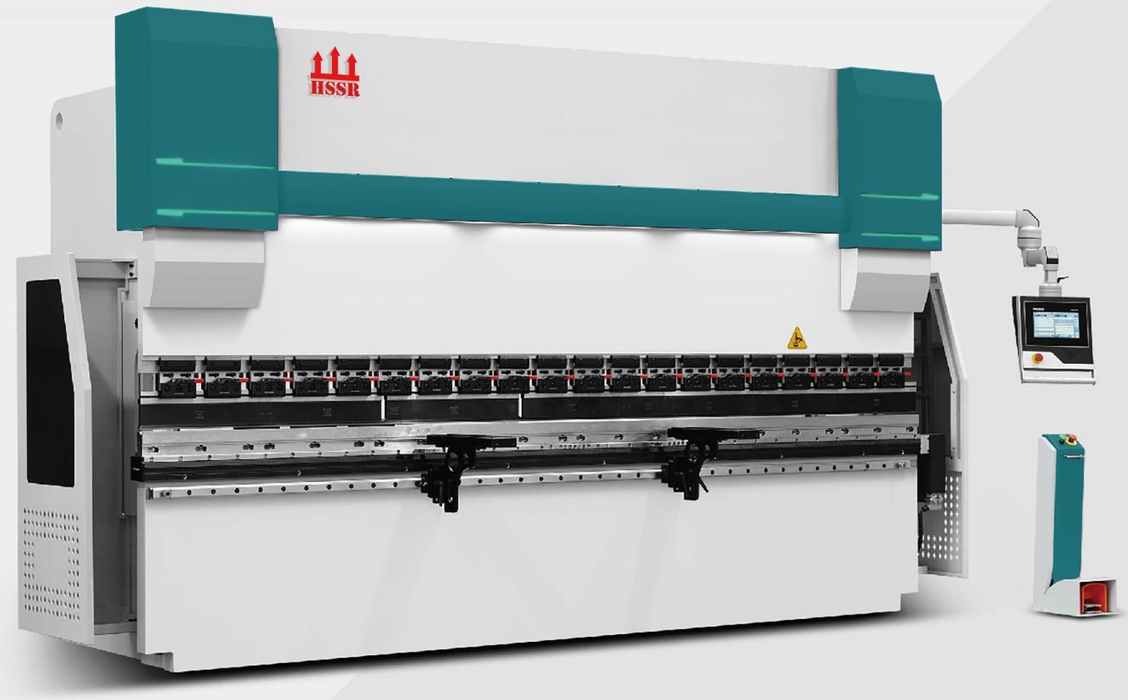
HSSR

ENDEAVOR TO LEAD METAL-WORKING MACHINE INDUSTRY

GLOBALIZATOIN VISION



Huangshi Sanrui Precision Manufacturing Co., Ltd.

ENGLISH

About HSSR

Company Profile

Founded in 2010, HSSR is dedicated to becoming a global leader in the bending machine manufacturing industry. The company has two modern production bases in Huangshi and Anhui, equipped with advanced processing and testing equipment, and implements a lean production system to ensure that every bending machine meets international quality standards. With over a decade of technological accumulation and innovation, we have driven significant advancements in bending technology and provide exceptional products and services to global customers.

Our R&D team, consisting of experts from top companies such as Trumpf and LVD, ensures that our products maintain industry-leading quality in design, development, and manufacturing.

+15 years
lifetime of
HSSR solutions

+10000
made-to-measure projects
installed all over the world

+1000
automation solutions installed

Brand Honor

When the splendid yesterday has passed, we pay more attention to the future growth. We will, as always, put our product quality first, and supervise strictly every aspect of production, to provide more reliable products. HSSR is wonderful because of you!

BRAND PATENTS

QUALITY CERTIFICATION

LEAN INNOVATION

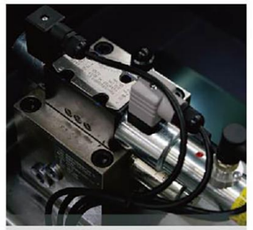
Electro-hydraulic Synchronized CNC Press Brake

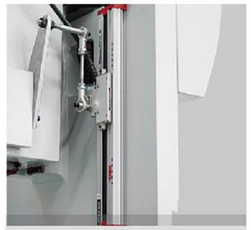
T Series

- CNC sheetmetal press brake with streamlined design,high speed,high precision,high rigidity;
- Electro hydraulic servo system,full loop controlling the synchronization of the upper slider;
- Mechanical compensation on crowning of worktable and deformation compensation on throat, ensuring good bending strength and precision;
- Backgauge is driven by digital AC servo motor,moved with ball screw,guided by linear guide.


Mechanical Crowning

Laser Safety Protection


Brand Hydraulic System


Precision Grating ruler


High Quality Press Brake Tooling


Quickly Clamping


Moveable Front Support System


Schneider Electric Components

- **Mechanical Crowning:** The compensation amount is automatically calculated and set by the NC system to ensure the consistency of the full-length bending angle.
- **Laser Safety Protection:** Provide comprehensive protection for the operator in the place close to the workpiece.
- **Brand Hydraulic System:** Hydraulic drive,smooth,reliable,effectively reducing the problems caused by hydraulic oil leakage.
- **Precision Grating ruler:** Accurately measure the small deformation caused by the bending force of the machine tool and feed back compensation.
- **High Quality Press Brake Tooling:** After forging and quenching, it is durable. High precision, high straightness and high repeatability, and finally obtain the ideal bending effect.
- **Quickly Clamping:** It is convenient to quickly clamp the upper die, reduce labor intensity and improve production efficiency. The utility model has the advantages of high precision, easy clamping, no loosening, no tool dropping, etc.
- **Moveable Front Support System:** Moveable front support, moving along the linear guide rail, can be parked at any position,with rotation and height adjustment functions to help you to bend.
- **Schneider Electric Components:** Schneider electric components, are up to the standards of DIN and ISO, safe and reliable.

Electric Servo
E-Bend Press Brake

T Series

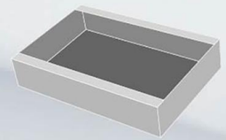
• A small and micro pure electric servo CNC press brake carefully developed with German technology

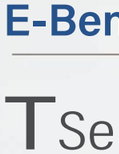
•The Servo is flexiable, reliable and advance bending machine. Servo Electric Press Brake combines high accuracy, flexibility and reliability. This concept offers low power consumption , less maintenance and no hydraulic oil anc components for operation.

节能25%
Eergy saving of 25%

Time Cycle Comparison

Bending time necessary to realize this 6 bend box - only machine time.





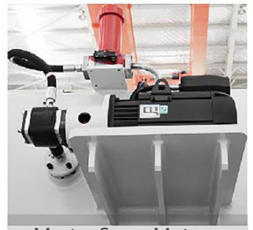
100 t Hydraulic
200 mm/s

100 t Electric
75 mm/s

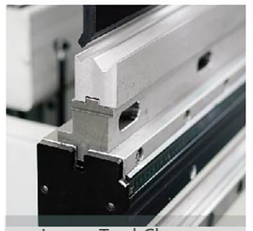
eP-1030
110 mm/s

HSSR


Controllers

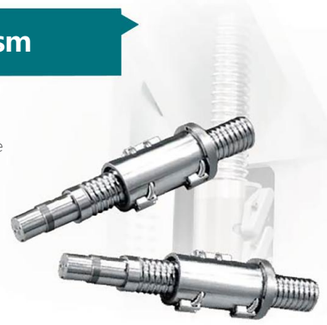

Master Servo Motor

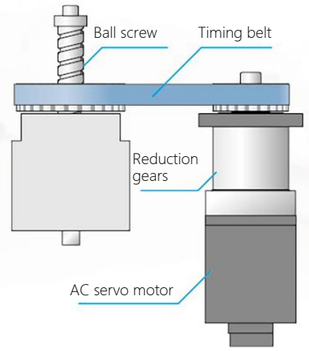

Quickly Clamping


Lower Tool Clamp

Ball Screw Drive Mechanism

• High-speed movement by the ball screw drive
• Stable high repeating accuracy by the ball screw drive
• Environmental performance (oil less and noise reduction by the the reducer)
• More strokes per hour than competitive machines
• Fastest ram response time in its class (2.1sec)





Model (HPE)	HPE5015	HPE5016
Norminal Force (KN)	500KN	500KN
Y1, Y2 axis servo main motor power (KW)	2*18KW	2*7.5KW
Max. bending length(mm)	1500mm	1600mm
Poles Distance (mm)	1150mm	1150mm
Throat Depth (mm)	350mm	350mm
Max. Open (mm)	490mm	490mm
Y1, Y2 axis No-load speed(mm/s)	220mm/s	220mm/s
Y1, Y2 axis working speed (mm/s)	200mm/s	210mm/s
Y1, Y2 axis return speed (mm/s)	200mm/s	210mm/s
X axis speed (mm/s)	350mm/s	350mm/s
R shaft speed(mm/s)	150mm/s	150mm/s
Y1, Y2 axis precision(mm)	0.02mm	0.02mm
X axis precision(mm)	0.01mm	0.01mm
R axis precision(mm)	0.01mm	0.01mm
Y1, Y2 axis travel(mm)	200mm	180mm
X axis travel(mm)	400mm	400mm
R axis travel(mm)	220mm	220mm
Control	EP706B	SL100-PS
Overall dimensions L x W x H(mm)	1500*1330*2375	1600*1330*2630
Weight (Ton)	3750KG	3850KG

Parameters change without notice.

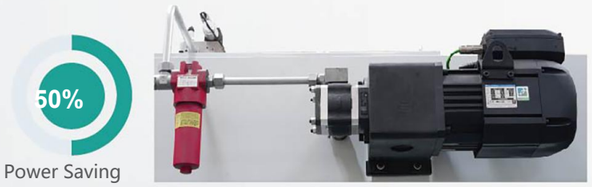
Economic CNC Press Brake

T Series

●Electro hydraulic servo system,full loop controlling the synchronization of the upper slider;

●Mechanical compensation on crowning of worktable and deformation compensation on throat, ensuring good bending strength and precision;

●Backgauge is driven by digital AC servo motor,moved with ball screw,guided by linear guide.

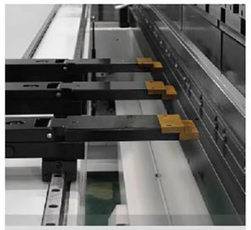


Power Saving

SVP Control Technology

Mechanical Crowning

Moveable Front Support System



Precise and stable back gauge system

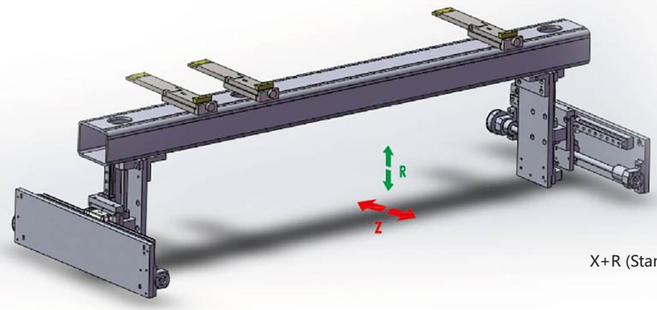
Precision Grating ruler

●**Mechanical Crowning:** The compensation amount is automatically calculated and set by the NC system to ensure the consistency of the full-length bending angle.

●**Precise and Stable Back Gauge System:** Novel and unique double linear guide rail structure;Ensures excellent positioning accuracy.The multi-level gear design increases the positioning range, and the value for money is excellent.

●**Precision Grating ruler:** Accurately measure the small deformation caused by the bending force of the machine tool and feed back compensation.

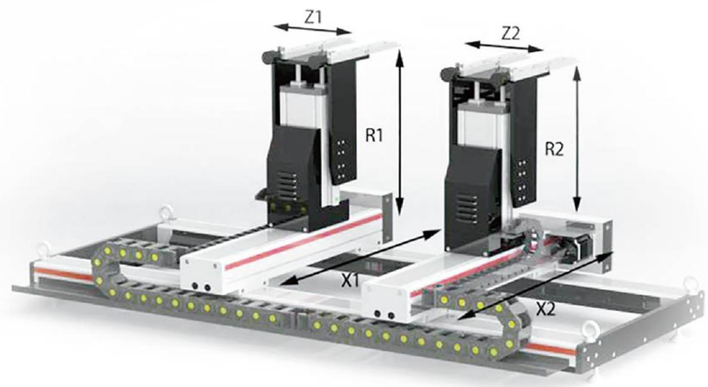
Powerful Back Gauge Syste



X+R (Standard configuration)

X1+X2+R1+R2+Z1+Z2+V (optional)

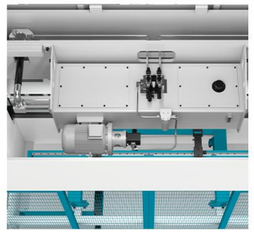
A variety of back gauge are available,higher configuration, more powerful functions and easier operation.

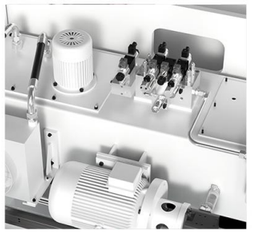
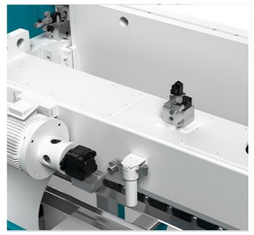


Economic CNC Press Brake

S Series

- ●Hydraulic system drive, ensuring smooth movement of the ram and stable bending pressure;
- ●Mechanical compensation structure to compensate for worktable and throat deformation, improving bending accuracy and consistency;
- ●Backgauge system driven by hydraulic power, combined with ball screws and linear guides for precise positioning;




●Begins with innovative design, 3D modeling, and finite element analysis. Advanced design tools, reasonable machine structure, elegant appearance, safe and reliable use, friendly operation interface.

O frame design without throat which cause frame deformation very tiny, due to the solidness of structure, the precision of bended products are fully guaranteed.

Fast bending speed because of optimized performance parameter

Equipped with fully enveloped guard to ensure the safety of the machine tool operation.

Optional movable combo die system (complete both bending and hemming without changing die)

The max. bending capability up to 160T*4100mm.

One set of toolings available in our tool library, and very convenient for management and daily operations.

CNC System

READY FOR INDUSTRY 4.0

Make corrections to the bending process easily on the tablet PC control!

It can cooperate with the interactive operation of industrial robots and automatically resolve the trouble of personnel shortage.

Wi Fi

Delem

DELEM **DA53TX**

- "Hot-key" touch navigation
- 15.6" high resolution wide screen TFT
- Up to 4 axes (Y1,Y2+2 aux. axes)
- Crowning control
- Tool/material / product library
- Servo and frequency inverter control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.
- 2D graphical programming (option)
- Tandemlink (option)
- Network interfacing (option)
- Profile-53TL offline software

DELEM **DA58TX**

- 2D graphical touch screen programming
- 18.5" high resolution colour TFT
- Bend sequence calculation
- Crowning control
- Tool /material / product library
- Servo and frequency inverter control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.
- Protractor interfacing (option)
- TandemLink (option)
- Network Interface (option)
- Profile-58TL offline software

DELEM **DA66T/S**

2D Touch graphical programming.
3D Product graphical simulation display
17" High-resolution TFT Color Display
Full Windows application package
Compatible DELEM modular structure
USB, Peripheral Interface
User program applications under multi-tasking environment
Angle detecting sensor interface

DELEM **DA69T/S**

3D and 2D graphical touch screen programming mode.
3D visualisation in simulation and production.
17"high resolution colour TFT.
Full Windows application suite.
Delem Modusys compatibility(module scalability and adaptivity).
USB,peripheral interfacing.
Open system architecture.
Sensor bending &correction interface.

esa AUTOMOTION
The Powerful CNC Intelligence

ESA **VIS-860**

18.5" designed for multi touch screen
Support multi touch application
No frame,simple but powerful
Support finger-tip work piece design
Support import of tools shapes (.dxf ifles)
Support management of tool library
Support tool and die holders' management
Support datam angle measurement system
Support ESA 3D Bend software
Equip standard industry 4.0 Modbus TCP interface

ESA **VIS-875**

21.5"designed for multi touch screen
Support multi touch application
No frame,simple but powerful
Support finger-tip work piece design
Support import of tools shapes (.dxf ifles)
Support management of tool library
Support tool and die holders'management
Support datam angle measurement system
Support ESA 3D Bend software
Equip standard industry 4.0 Modbus TCP interface

CYBELEC
INFRANOR GROUP COMPANY

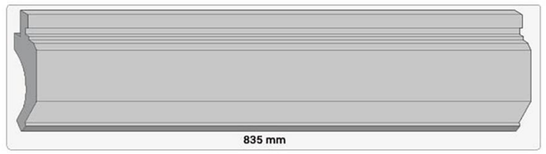
CYBELEC **CybTouch 12 PS**

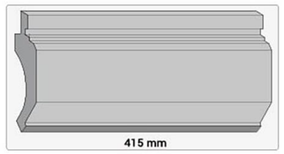
12 "color LCD display, touch screen, icon recognition function;
The "EasyBend" page is processed with easy single bending.
The fully efficient bending programming can meet the needs of mass production and processing.
Automatically calculate bending angle, main pressure and deflection compensation;
Automatic calculation of bending data;
Automatic calculation of pressure and deflection compensation; automatic calculation of upper die depth;
Angle, rear gear correction, 2D graphics programming;
Automatically simulate the bending sequence and provide the best bending scheme (option).

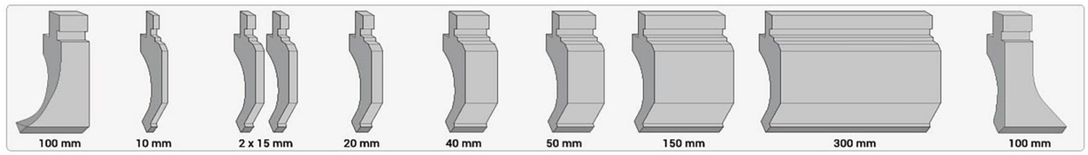
CYBELEC **CybTouch 15 PS**

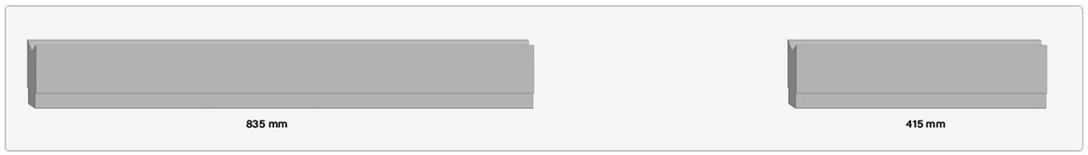
15 "modern streamlined glass mirror touch screen, which can be used with gloves.
User friendly man-machine interface, intuitive programming and easy to set navigation function (automatic optimization of machine parameters).
2D finger drawing programming (touch file) and accurate 2D program creation.
Automatic bending step calculation.
Easybend page to facilitate single part bending.
Larger storage capacity.
Internal backup and storage functions.
Wireless communication function for diagnosis and upgrade (using laptop).

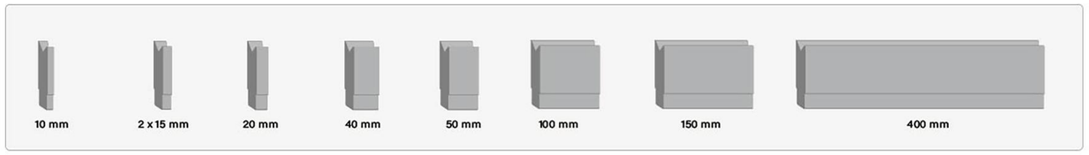
STANDARD ***TOOLINGS***







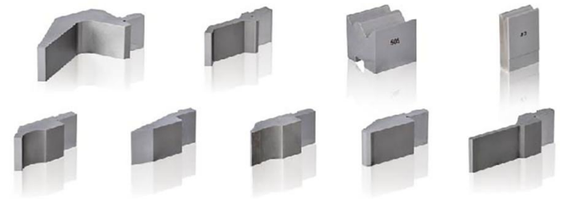


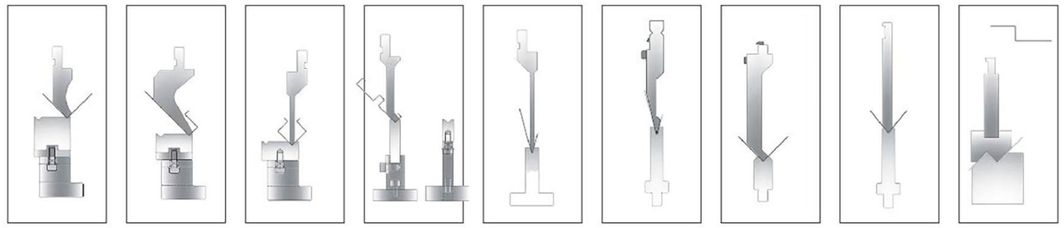


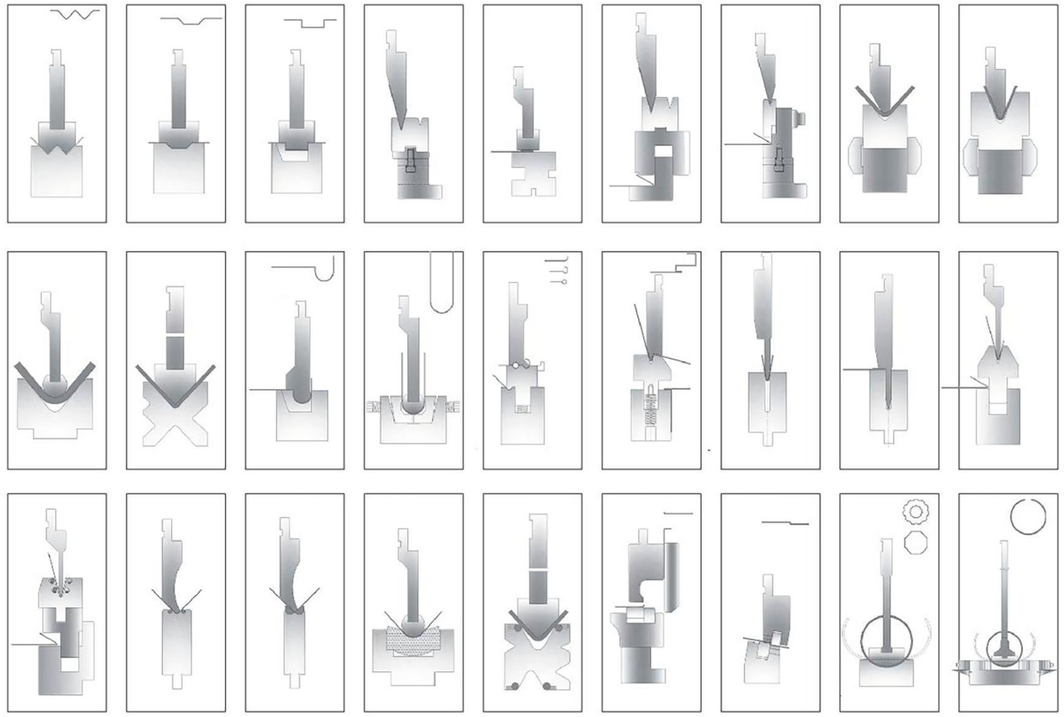
BENDING *WORKPIECE DRAWING*

HSSR **Press Brake Toolings have the best qualities for applications where very high wear and extreme load bearing occur.**

Provides highest wear resistance on the tool surface (HRC 60-65)
Lowers the friction on the shoulder radii (by compound layer lubricity)
Has high tensile strength - 1150 N/mm^2
Adds corrosion resistance to tooling







Sheet Bending Force Table

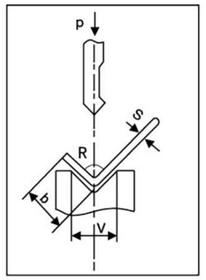
The chart allows you to read off the required bending force for a 1m length part, given
1. sheet thickness (t) and 2. the selected width of the die opening (V).
The table also show the minimum leg length (D) and the inside radius (R) associated with the selected die size (V, width of die opening).

R	D	V \ t	0.5	0.6	0.8	1.0	1.2	1.6	2.0	2.3	2.6	3.0	3.2	3.5	4.0	4.5	5.0	6.0	7.0	9.0	10	12	16	19
0.7	3	4	4	6	11																			
1.0	4	6	3	4	7	11																		
1.3	6.5	8		3	5	8	12																	
1.6	7	10			4	7	10	17																
2.0	8.5	12				6	8	15	22															
2.3	10	14					7	13	19	25														
2.6	11	16						11	17	23	28													
3.0	13	18						10	15	19	25	34												
3.3	14	20							13	17	22	30	34											
4.0	17.5	25								15	18	24	27	33	43									
5.0	22	32									14	19	22	26	34	44								
6.0	25	36										17	19	23	30	39	47							
6.5	35	50											17	20	27	34	42	60						
8.0	35	50												16	21	27	33	48	66					
10	45	63														21	26	38	52	84				
13	55	80															21	30	41	67	85			
16	70	100																24	33	54	67	96		
20	85	120																	27	45	55	80	142	
26	113	160																			42	60	107	150
33	140	200																				48	86	120

Force Calculation Formula for Press Brake:

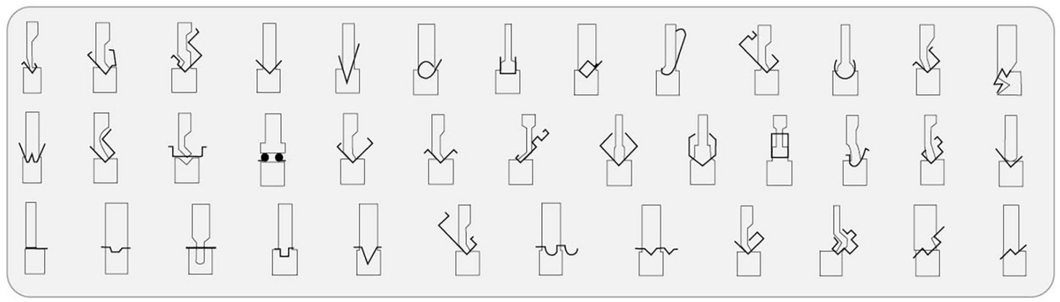
- Calculation method of sheet bending force:
- P-bending force (KN)
- S-plate thickness (mm)
- L-plate width (m)
- V-lower die notch width (mm)

Calculation formula: $P=\frac{650S^2L}{V}$ (δ b=450N/mm^2)

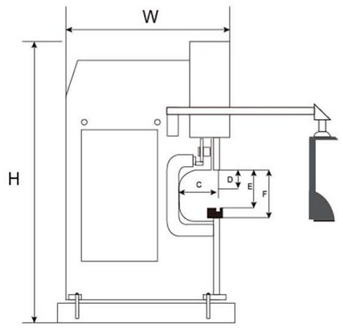


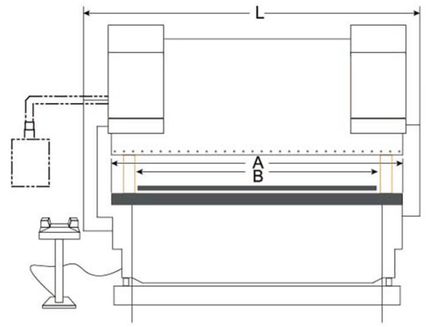
Press Brake Sketch Map

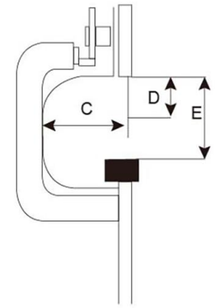
Processing Workpiece Drawing



Technical Parameter







HPA/HPC Press Brake Parameter

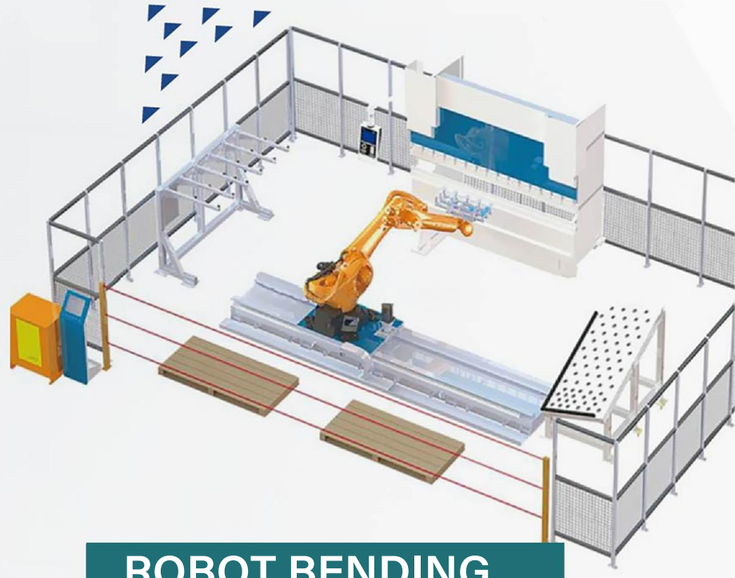
		A	B	C	D	E						W	H
Model	Bending Force	Bending Length	Distance Between Columns	Throat Depth	Slide Travel	Open Height	Main Motor	Tank Volume	Aprroaching Speed	Progress Rate	Return Speed	Machine Length	Machine Width	Machine Height
	KN	mm	mm	mm	mm	mm	KW	L	mm/s	mm/s	mm/s	mm	mm	mm
35-1250	350	1250	950	300	150	440	3.7	80	260	22	260	1970	1430	2300
65-1500		1500	1150	350	180	450	7.5	100	240	20	240	2170	1450	2360
65-2050	650	2050	1700	350	180	450	7.5	150	240	20	240	2720	1450	2360
65-2500		2500	2150	350	180	450	7.5	200	240	20	240	3170	1450	2400
110-3100		3100	2600	410	220	490	12.4	200	220	18	200	3660	1540	2610
110-4000	1100	4000	3300	410	220	490	12.4	200	160	13	150	4000	1550	2600
110-4100		4100	3600	410	220	490	12.4	200	220	18	200	4660	1540	2610
135-4100	1350	4100	3600	450	220	490	18	200	240	18	220	4680	1545	2700
160-3100		3100	2600	410	220	490	17.8	200	180	15	160	3680	1560	2700
160-4000	1600	4000	3300	410	220	490	17.8	200	140	11	120	4000	1550	2700
160-4100		4100	3600	410	220	490	17.8	200	180	15	160	4680	1560	2700
220-3100		3100	2600	410	220	490	21.4	200	150	13	150	3700	1820	2790
220-4100	2200	4100	3600	410	220	490	21.4	200	150	13	150	4700	1820	2790
220-5000		5000	4000	410	220	490	21.4	200	180	13	150	5300	1920	3190
220-6000		6000	5100	410	220	490	21.4	200	180	13	150	6300	1920	3290
250-3100	2500	3100	2600	410	220	490	21.4	200	120	9	100	3100	1900	2750
250-4000		4000	3300	410	220	490	21.4	200	120	9	100	4000	1900	2750
300-3100		3100	2600	410	280	540/510	25.1	200	140	12	130	3400	1890	3040
300-4100	3000	4100	3600	500	280	540/510	25.1	200	140	12	130	4400	1890	3040
300-5000		5000	4000	500	280	540/510	25.1	200	150	12	130	5400	2130	3350
300-6000		6000	4800	500	280	540/510	25.1	200	160	12	120	6400	2130	3550
400-4000		4000	3100	500	300	610	32	700	100	8	80	4300	2640	3800
400-5000	4000	5000	3800	500	300	610	32	700	100	8	80	5300	2640	3800
400-6000		6000	4800	500	300	610	32	700	100	8	80	6300	2640	4000
500-4000		4000	3100	500	300	610	37	800	100	8	80	4300	2700	3500
500-5000	5000	5000	3800	500	300	610	37	800	100	8	80	5300	2700	3700
500-6000		6000	5100	600	300	610	37	800	100	8	80	6300	2700	4500
600-4000		4000	3100	600	320	650	52	1000	90	8	90	4300	3300	3900
600-5000	6000	5000	3800	600	320	650	52	1000	90	8	90	5300	3300	4200
600-6000		6000	4800	600	320	650	52	1000	90	8	90	6300	3300	4500
800-6000	8000	6000	4600	600	320	800	60	1500	90	8	90	6300	3500	4000
800-8000		8000	6600	600	320	800	60	1500	90	8	90	8300	3600	4500
1000-6000	10000	6000	4600	600	400	900	2*37	1800	90	8	90	6300	3600	6400
1000-8000		8000	6600		400	900	2*37	1800	90	8	90	8300	3600	6600

Parameters change without notice.

Tandem CNC Press Brake

2-T Series

- Asymmetric structural design, suitable for the characteristics of steel pole towers: "thick plates are not long, long plates are not thick"
- Adjustable lower mold, V-groove opening step adjustment, can adapt to the needs of different plate thicknesses and bending arcs
- Interchangeable upper die head, available in prismatic and arc shapes, to meet the processing needs of various steel rods
- Front and rear feeding devices, variable frequency motor control, manual control, position digital display, reduce labor intensity and improve feeding efficiency
- Side discharging device, embedded roller design in the mold area, easier discharging, symmetrical roller design of the discharging frame, hand wheel adjustment distance, more convenient operation



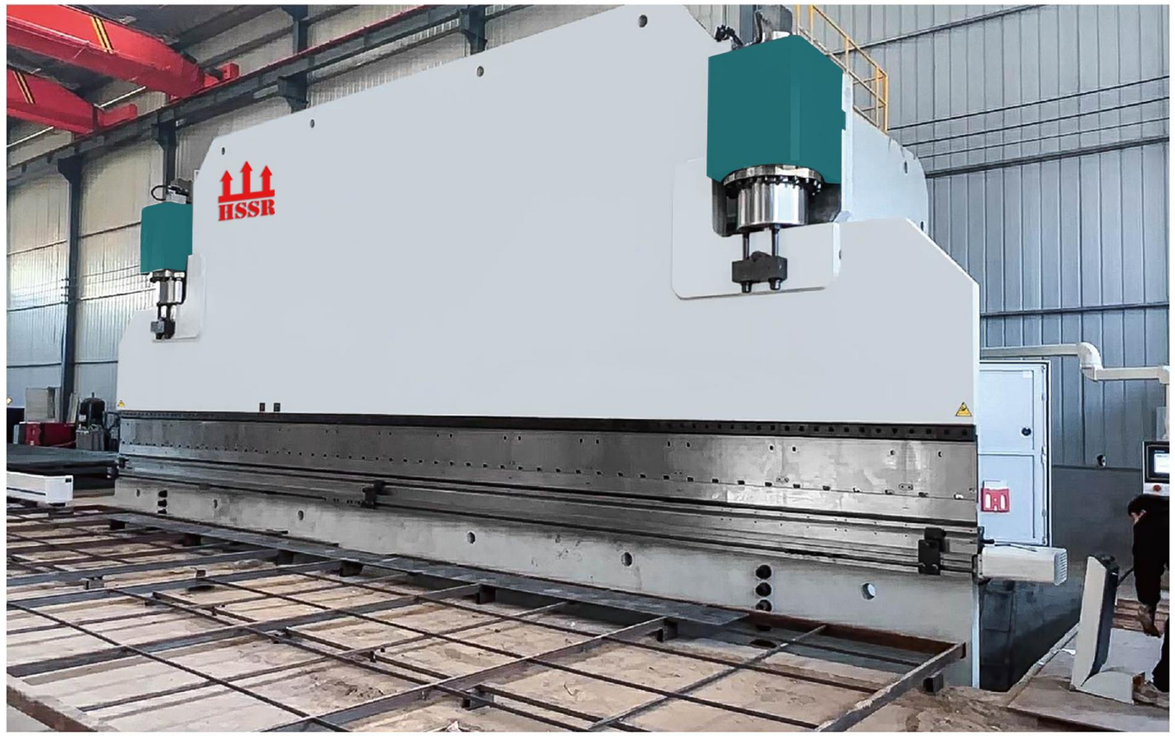
ROBOT BENDING
STANDARDIZED CELLS

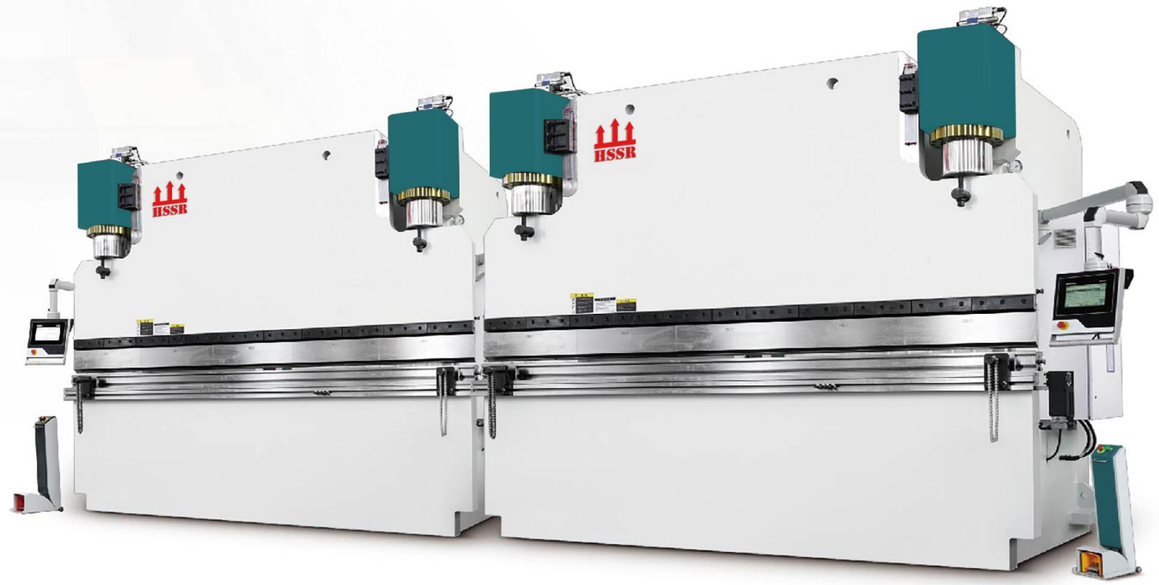
- HSSR offers standard as well as customised robot bending solutions for a diverse range of applications.
- Being a pioneer in this field, we offer systems where the complete cell is controlled by one control with both

in-house hardware and software technology.

- Our standard robot bending cells feature press brake specifications from 35" x 24 Ton up to 157" x 220 Ton and part specifications from 11,8" x 11,8" x 6,5 kgs up to 140" x 15" x 150 lbs.
- Customised systems can be offered for press brake and part specifications well outside the standard ones.
- Depending on the characteristics of the application, the robot is selected from reputed manufacturers such as Yaskawa, Stäubli, Fanuc and others.
- Robot supported bending has become cost effective even for small and medium size batches as CAM and Simulation Software have become very powerful and user-friendly, reducing considerably programming and set-up times and offering full off-line automatic work preparation avoiding standstill of the bendingcell.

T Large-bend Series CNC Press Brake





Technical Parameter

HPA Tandem CNC Press Brake

Model	Bending Force	Bending Length	Distance Between Columns	Throat Depth	Slide Travel	Open Height	Main Motor	Tank Volume	Aprroaching Speed	Progress Rate	Return Speed	Machine Length	Machine Width	Machine Height
	KN	mm	mm	mm	mm	mm	KW	L	mm/s	mm/s	mm/s	mm	mm	mm
2-400-4000	4000	5000	3100	500	300	610	30	700	65	8	80	4300	2700	3500
2-400-5000		6000	3800	500	300	610	30	700	65	8	80	5300	2700	3700
2-400-6000		4000	4800	500	300	610	30	700	65	8	80	6300	2700	3900
2-500-4000	5000	5000	3100	500	300	610	37	800	100	8	80	4300	2700	3500
2-500-5000		6000	3800	500	300	610	37	800	100	8	80	5300	2700	3700
2-500-6000		4000	4800	500	300	610	37	800	100	8	80	6300	2700	4000
2-600-4000	6000	5000	3100	600	320	650	45	1000	90	8	90	4300	3300	3900
2-600-5000		6000	3800	600	320	650	45	1000	90	8	90	5300	3300	4200
2-600-6000		6000	4800	600	320	650	45	1000	90	8	90	6300	3300	4500
2-800-6000	8000	8000	4800	600	320	800	60	1800	90	8	90	6300	3500	4000
2-800-8000			6600	600	320	800	60	1800	90	8	90	8300	3600	4500

备注：主伺服电机

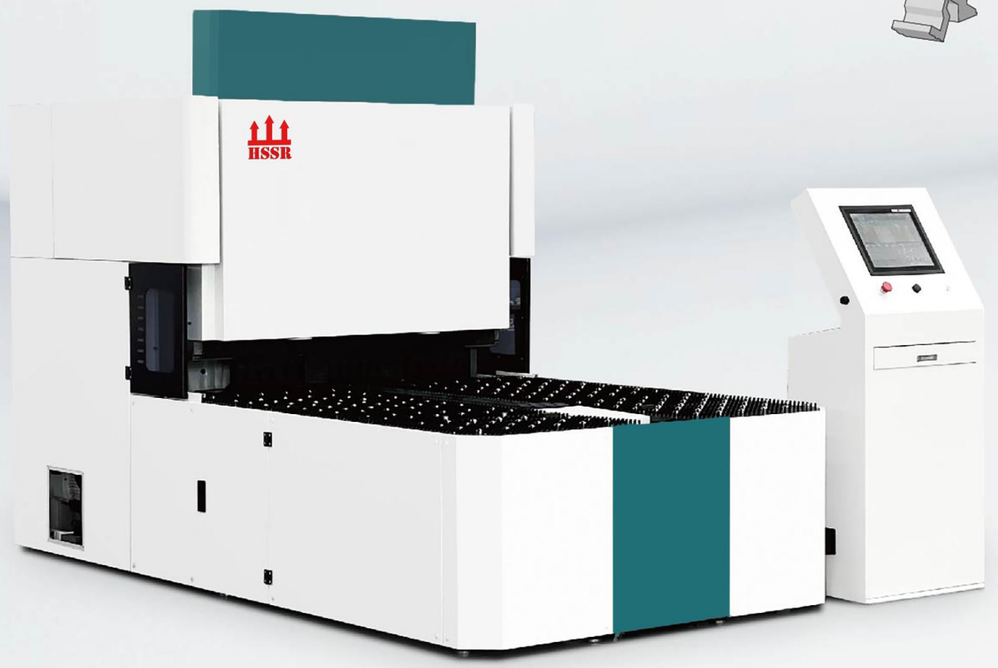
Automatic Panel Bender

PB Series

- The suction cup design is adopted, and the maximum bending size can reach 2000mm x 2000mm.
- The fastest bending speed can reach 0.2 seconds/bend, which can improve the efficiency several times and greatly reduce the labor cost.

SUCKED TYPE PANEL BENDER

Flexible Automation
& Lean Manufacturing

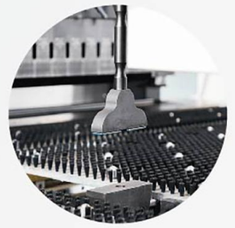


FULL SERVO CNC SYSTEM

Pc-base completely independent research and development of 9 axis + (support up to 44 axis concurrent) concurrent linkage full servo CNC system.

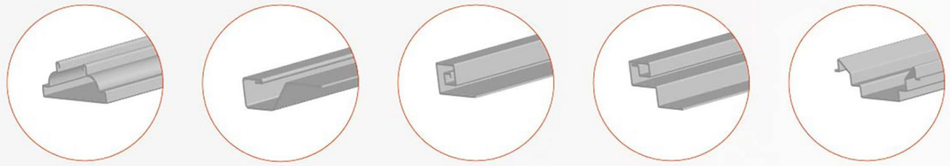
Graphical Visual Error Detection Programming
Offline Programming

- The multilateral bending center does not need to change the mold, the working stroke is short, and the feed is fast.
- Comprehensive efficiency is 3 to 4 times that of manual bending machine.
- According to the bending process, it can be automatically folded up and down, so as to realize the bending of arcs, dead edges, and various angles.
- Highly intelligent operation control system, which can efficiently bend different workpieces.
- Energy saving and consumption reduction, reducing labor and mold costs.



PRESS TYPE PANEL BENDER

The pressure arm design is adopted, and the maximum bending size can reach 2500mm x 1250mm.
The fastest bending speed can reach 0.2 seconds/bend.



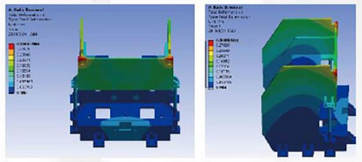
Circular arc | **Press the dead side** | **Return type** | **Enclosed type** | **Complex type**

Core Configuration

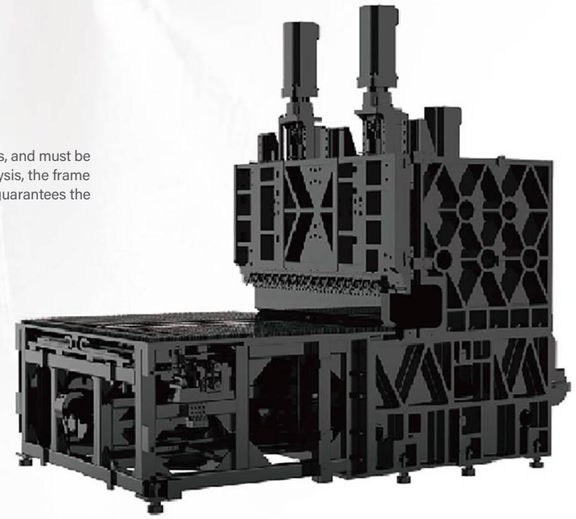
Flexible Automation Lean Manufacturing

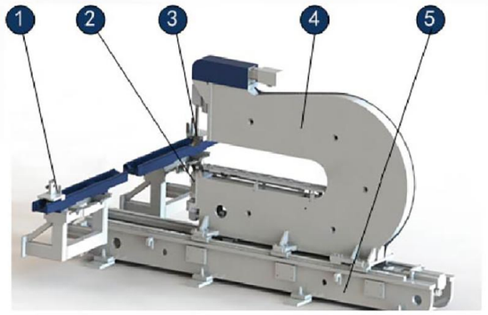
Cast Iron Body

Equipment core framework using high grade QT500-7 and HT250 castings, and must be measured by a testing instrument. After precise finite element force analysis, the frame adopts the most stable triangular interconnection design, which greatly guarantees the stability under high tonnage impact force.



Higher Strength,High Precision
Precise Finite Element Force Analysis

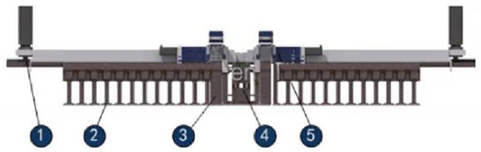




Bending Manipulator

Bending manipulator has the function of positioning and rotary transportation of sheet metal. The utility model is composed of a central positioning device, a rotating device, a clamping device, a mobile conveying device and a base. After the sheet is in place, it realizes the function of centering and pressing, and cooperates with the main machine of folding to realize various folding process actions.

1)positioning device 2)rotating device 3)clamping device
4)moving bracket 5)holder



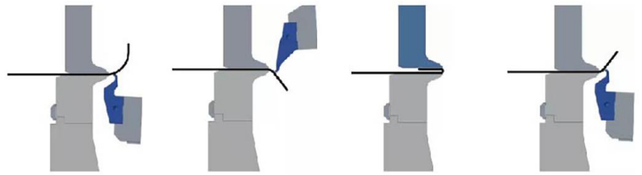
Automatic die changing device

It has functions of folding and avoiding, automatic combination and so on. It is convenient to process all kinds of box parts. The die changing device consists of an intermediate avoidance die, a standard segment die, a clutch moving device and a rotating insert die device.

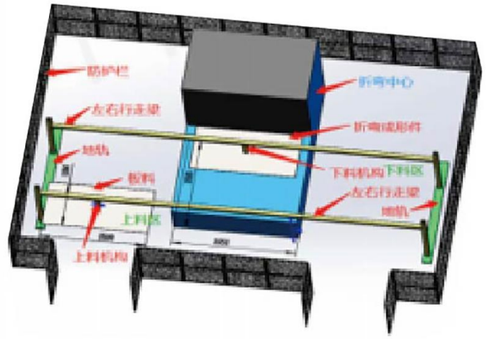
1)segment die driver 2)segment die
3)insert die 4)mediate avoid device 5)insert adjusting device

Universal Bending Tools

The PANEL BENDER uses universal bending tools that do not require set-up times and adapt automatically to panel geometry; this become a plus for operator safety and ensures productivity and flexibility.



1)positive bending | 2)negative bending | 3)hemming | 4)large arc



Feeding System

The suction cup feeding method has been patented as a utility model, which is simple, convenient, easy to operate and safe.Take the robot automatic loading and unloading for example.The let area of the bending center is the loading area and the right area is the unloading area.The maximum working range of the robot is 9300mm*4000mm.Feeding mechanism: it can clamp the maximum plate 2500mm* 1250mm, the up and down stroke 0-1000mm, and the end can be 360 ° rotating clamping.Unloading mechanism: up and down stroke 0-1000 mm, the end can -90*-90* left and right flip clamping.The intelligent panel bender has a wealth of hardware and software interlaces,which can be docked with the conventional manipulator in the market, and the specific selection can be made according to the demand.

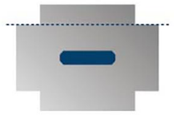
Positioning Methods
Automatic controlled centering,Accurate controlled handling

Pick-up

Positioning

Centering

Bending



Brand Parts
Ball Screw & Linear Guide

Brand Parts
NSK Bearings Imported from Japan

Technical parameter

Automatic Panel Bender

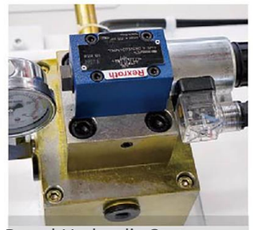
Items	1400PC1/1400PC3	2000PC1/2000PC3	2500PC1/2500PC3
Max. bending speed	0.2 second/time	0.2 second/time	0.2 second/time
Max. bending width	1400mm	2000mm	2500mm
Max. bending height	170mm (1400PC1) 300mm (1400PC3)	170mm (1400PC1) 300mm (1400PC3)	170mm (1400PC1) 300mm (1400PC3)
rated voltage	380v	380v	380v
Total motor power	38Kw	77Kw	79Kw
average power	about 1.9Kw	about 2.6Kw	about 2.9Kw
noise	about 50dB	about 50dB	about 50dB
machine size	440*190*290cm	510*265*330cm	565*300*340cm
Total machine weight	about 1 5 t	about 1 8 t	about 2 3 t
Max. bending thickness (thicker panel customizable)	UST 515N/mm² 304 stainless steel 1.5mm UST 410N/mm² cold panel 2.0mm UST 265N/mm² aluminum panel 3.0mm	UST 515N/mm² 304 stainless steel 1.5mm UST 410N/mm² cold panel 2.0mm UST 265N/mm² aluminum panel3.0mm	UST 515N/mm² 304 stainless steel 1.5mm UST 410N/mm² cold panel 2.0mm UST 265N/mm² aluminum panel 3.0mm
minimum panel thickness	0.35mm	0.35mm	0.35mm
four sides forming minimum inner size	140*190mm	140*190mm	140*190mm
two sides forming minimum inner size	140mm	140mm	140mm
Max. bending size	1400*1400mm	2000*1500mm	2500*1500mm
axis quantity	standard synchronized 15 axis	standard synchronized 15 axis	standard synchronized 15 axis
power horn blank holder	optional	optional	optional

Swing Beam Shearing Machine

QC12K Series

- ●High efficiency, energy saving, environmental protection.
- ●Fast and grooving precise positioning.
- ●Adaptive forward, can adapt to different status of sheet metal.
- ●High precision worktable.
- ●Easy operation, stable performance and reliable.
- ●After use fixture of knife, knife change need not reset to zero.


Main Motor



Brand Hydraulic System


Back Gauge System


Back Gauge Motor

●**Precision cutting:** Our swing beam shearing machine delivers precise cuts with clean edges every time, ensuring your products are of the highest quality.

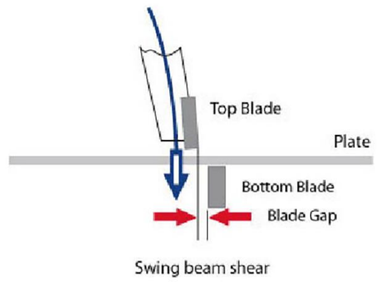
●**Fast and efficient:** With its fast cutting speed and ability to handle multiple materials, our swing beam shearing machine can significantly increase your production output and efficiency.

●**Easy to operate:** Our swing beam shearing machine is designed with user-friendly controls and simple adjustments, making it easy to operate for even novice operators.

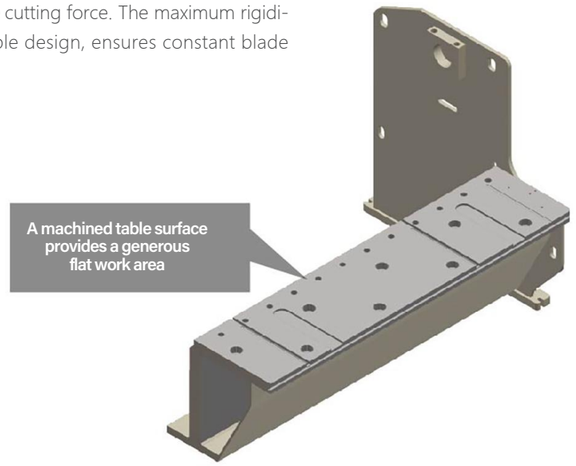
●**Durable and reliable:** Built with high-quality materials and advanced technology, our swing beam shearing machine is durable, reliable, and long-lasting, providing you with a cost-effective solution for your cutting needs.

Frame Structure

The shearing machine is designed with a fully welded boxed-in bed table structure that has a high torsion stiffness to balance the torsion load from the cutting force. The maximum rigidity of the unique design, combined with the massive table design, ensures constant blade clearance during the shearing cycle.



Swing beam shear



Guillotine Shearing Machine

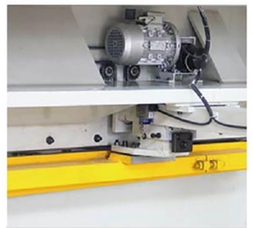
QC11K Series

- The frame adopts integrity welding structure, the vibration remove stress.
- The three point support rolling navigation, to improve the shearing quality.
- Rectangular blade, the four blade can be used, the service life is long.
- The blade clearance can be rapidly adjusted and numerical display.
- Equipped with lighting device on the line.
- The shear angle can be adjusted.
- Mechanical back gauge with digital display, accurate and reliable.
- The safety protection bar type device.


Working table steel ball


Deep throat shearing machine (optional)

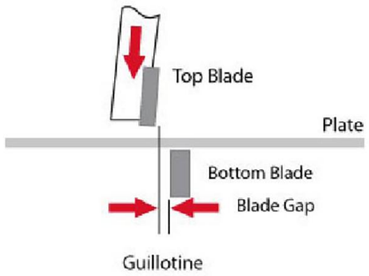

Easily blade gap handwheel adjustment

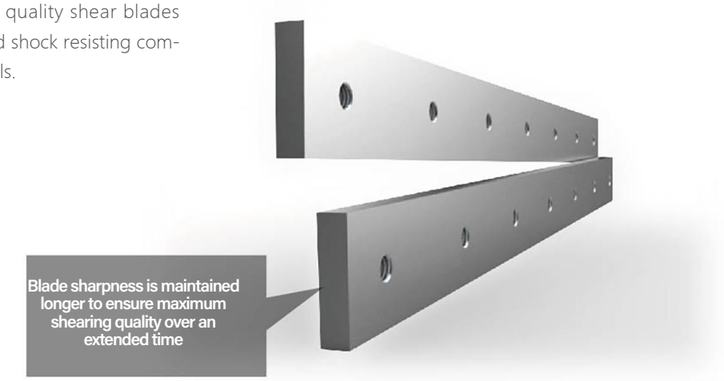

After the file material

- **Precision cutting:** The guillotine shearing machine delivers precise, clean cuts every time, ensuring accuracy and consistency in the manufacturing process.
- **Versatility:** With the ability to cut a wide range of materials, from thin sheets to thick plates, the guillotine shearing machine is a versatile addition to any manufacturing facility.
- **Speed:** The guillotine shearing machine can handle high-volume production runs, delivering fast and efficient cutting to meet tight deadlines.
- **Easy to Operate:** Designed with user-friendliness in mind, the guillotine shearing machine is easy to set up and operate, making it ideal for both experienced and novice operators.

Shear Blades

The shearing machine comes with the highest quality shear blades available, made of high carbon, high chrome and shock resisting composition, suited to shear a wide variety of materials.





CNC system (optional)

ESTUN E21S

HD LCD display, with both Chinese and English language options, a display programming parameters, faster and more convenient programming
Backgauge control：Smart positioning, can also be manually adjusted as needed to remove the mechanical hand positioning device.
Cut Stroke: Built-shearing time relay, simple operation, cost savings
Shear angle: Built shear angle adjustment function, eliminating the angle indicators and buttons
Blade gap: encoder feedback, time display blade gap size, simple operation
Having a key parameter backup and restore functionality, you can always restore the parameters as required, reducing maintenance costs
All keys on the panel are micro-switches, through EMC, high temperature, vibration and other rigorous testing to ensure product stability and service life.
CE certified to meet the needs of overseas markets.

ESTUN E200PS

Color HD LCD display，with both Chinese and English language options, a display programming parameters, faster and more convenient programming
CAN bus technology, servo control X, Y-axis, high control accuracy, resolution up to 0.001; simple to install wiring, improve system reliability.
Built blade clearance, cutting stroke, concessions and other control functions delay, according to the actual need to set the parameters of the gap, cut away concessions and other real-time control.
Having machine motion control features that simplify the electrical wiring cabinet, reduce costs and improve reliability.
With self-diagnosis and real-time alarm functions, debugging and maintenance more convenient.
Reservation security interface for easy expansion.
Having a key parameter backup and restore functionality, you can always restore the parameters as required, reducing maintenance costs
All keys on the panel are micro-switches, through EMC, high temperature, vibration and other rigorous testing to ensure product stability and service life.
CE certified to meet the needs of overseas markets.

DELEM DAC-310T

Panel based housing
Bright LCD screen
Back gauge control
Retract function
Cutting angle or gap control
Stroke length limitation
Manual movement of axes
Stock count

DELEM DAC-360T

Panel mounting
High brightness LCD display
Rear stopper control
Back off function
Shear angle control
Shear gap control
Shear stroke control
Each axis can be moved manually
Pressure control

HSSR

QC12K Series Technical parameter

Model	Cutting thickness (mm)	Cutting width (mm)	cutting angle (°)	Backgauge Range(mm)	Stroke Number (times/min)	Main Motor (kW)	Weight (Ton)	Overall Dimensions (L×w×h) (mm)
4*2500	4	2500	1.5	20-600	18	5.5	3.5	3000*1550*1750
4*3200	4	3200	1.5	20-600	15	5.5	5	3750*1750*1850
4*4000	4	4000	1.5	20-600	10	5.5	7	4550*1900*2000
4*5000	4	5000	1.5	20-600	8	7.5	13	5700*1900*2000
4*6000	4	6000	1.5	20-600	8	7.5	16.5	6500*2460*2250
6*2500	6	2500	2	20-600	15	7.5	5	3050*1750*1900
6*3200	6	3200	1.5	20-600	12	7.5	6	3750*1750*1900
6*4000	6	4000	1.5	20-600	9	7.5	8.2	4550*2000*2000
6*5000	6	5000	1.5	20-600	7	11	15	5540*2450*2300
6*6000	6	6000	1.5	20-800	5	11	19	6400*2470*2500
8*2500	8	2500	2	20-600	14	7.5	5.5	3060*1780*1900
8*3200	8	3200	1.5	20-600	10	7.5	6.5	3760*1780*1900
8*4000	8	4000	1.5	20-600	9	7.5	8.5	4560*2000*2000
8*5000	8	5000	1.5	20-800	8	11	15.5	5600*2360*2300
8*6000	8	6000	1.5	20-800	6	11	19.5	6600*2450*2500
10*2500	10	2500	2	20-600	10	11	6.5	3050*2000*2000
10*3200	10	3200	1.5	20-600	9	11	7.5	3800*2100*2000
10*4000	10	4000	1.5	20-600	8	15	11.5	4700*2100*2200
10*6000	10	6000	1.5	20-800	6	18.5	27.5	6600*2100*2300
12*2500	12	2500	2	20-600	12	18.5	9.8	3170*2100*2300
12*3200	12	3200	2	20-600	10	18.5	11	3800*2100*2300
12*4000	12	4000	1.75	20-600	8	18.5	13.3	4600*2260*2300
12*5000	12	5000	2	20-800	6	18.5	19	5800*2450*2400
12*6000	12	6000	2	20-800	5	22	31	6600*2600*2700
16*2500	16	2500	2.5	20-800	11	22	10.5	3150*2260*2300
16*3200	16	3200	2	20-800	10	22	12	3870*2300*2300
16*4000	16	4000	1.75	20-800	8	22	17.3	4705*2575*2300
16*5000	16	5000	2.5	20-800	6	22	24	5900*2600*2700
16*6000	16	6000	2.5	20-800	5	22	32.8	6600*2700*2900
20*2500	20	2500	2.5	20-800	8	22	13.7	3300*2580*2300
20*3200	20	3200	2.5	20-800	7	22	15	4150*2600*2500
20*4000	20	4000	2.5	20-800	5	22	22	4850*2600*2800
25*2500	25	2500	3	20-800	7	30	17	3200*2700*2900
25*3200	25	3200	3	20-800	5	30	23	4200*2700*3000

Sample parameters are subject to change without prior notice!

QC11K Series Technical parameter

Model	Cutting Thickness	Cutting Length	Cutting Angel	Materail Strength	Travel Times	Stopper Adjust Range	Power	Dimension
TYPE	(mm)	(mm)	(°)	(KN/CM)	(次/分)	(mm)	(kw)	L×W×H(mm)
6×2500	6	2500	0.5-1.5	≤450	10-18	500	7.5	3000×2075×1920
6×3200	6	3200	0.5-1.5	≤450	8-16	600	7.5	3130×2075×1970
6×4000	6	4000	0.5-1.5	≤450	5-15	600	7.5	4530×2075×2000
6×5000	6	5000	0.5-1.5	≤450	4-15	600	11	6430×2075×2520
6×6000	6	6000	0.5-1.5	≤450	3-10	800	15	7530×2075×2210
6×8000	6	8000	0.5-1.5	≤450	2-6	800	22	9530×2075×2600
8×2500	8	2500	0.5-1.5	≤450	8-18	600	7.5	3040×2075×1920
8×3200	8	3200	0.5-1.5	≤450	6-16	600	7.5	3740×2075×1920
12×2500	12	2500	0.5-2	≤450	5-15	600	15	3110×2575×2210
12×3200	12	3200	0.5-2	≤450	4-10	600	15	3810×2575×2500
12×4000	12	4000	0.5-2	≤450	3-10	600	18.5	4610×2575×2500
16×2500	16	2500	0.5-2.6	≤450	6-16	600	18.5	3130×2655×2200
16×4000	16	4000	0.5-5.5	≤450	4-12	600	18.5	4430×2655×2570
20×2500	20	2500	0.5-2.6	≤450	6-15	800	22	3100×2600×2300
20×4000	20	4000	0.5-5.5	≤450	4-12	800	22	4600×2055×2720
25×3200	25	3200	0.5-3.5	≤450	4-10	800	30	3610×2000×3300

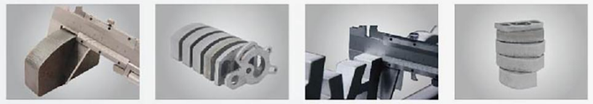
Sample parameters are subject to change without prior notice!

Single Table
Fiber Laser Cutting Machine

HLA Series

●It is a professional machine design, novel appearance and many patented technologies. It has the advantages of high speed, small slit, smooth section, easy operation, low energy consumption , suitable for continuous processing in large quantities, and highlighting cutting competitive advantages.

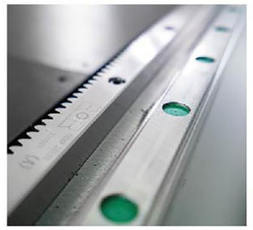
Samples



●Applicable Materials: Specially used for cutting 0.5-30MM stainless steel, 0.5-30MM carbon steel , 0.5~30MM aluminum,0.5~15MM copper, as well as galvanized steel, electrolytic steel and silicon steel etc.

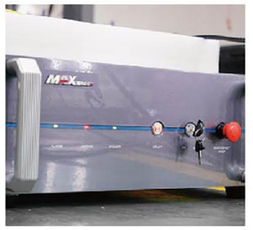
HSSR

High-quality cutting head



Precision helical rack

Fully Annealed Frame



High-speed motor exchange table

●**Exceptional Precision for Metal Cutting:** Our fiber laser cutting machine is specifically designed for metal cutting, providing unparalleled precision and accuracy. This ensures that your metal products have clean, smooth edges and intricate details, giving them a professional, high-end appearance that will impress your customers.

●**Rapid Cutting Speeds for Increased Productivity:** Our fiber laser cutting machine offers impressive cutting speeds without sacrificing quality, allowing you to complete metal cutting projects quickly and efficiently. This increased productivity will help maximize your profits and keep up with customer demands.

●**Energy-Efficient and Eco-Friendly:** Our fiber laser cutting machine consumes less energy compared to traditional metal cutting methods, saving you money on electricity and contributing to a greener environment by reducing your carbon footprint.

Technical parameter

Item	Specification
Table Size	3015, 4015, 4020, 6015, 6020, 6025
Laser Source	1000-6000W
Positioning Accuracy	±0.05mm
Repositioning Accuracy	±0.03mm
Moving speed	80m/min
Acceleration	1.0G
Optional Parts	Air Compressor, Robot, Feeder...

Exchange Table
Fiber Laser Cutting Machine

HLB Series

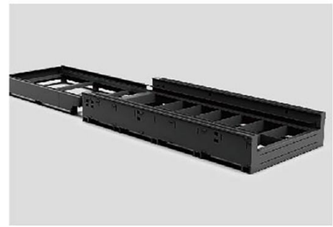
●The new closed design, double table fast exchange, while processing edge cutting, fast, small slit, smooth section, easy operation, low energy consumption, suitable for large quantities of continuous processing, highlighting cutting competitive advantage.

Samples

●Applicable Materials: Specially used for cutting,0.5-30MM stainless steel, 0.5-30MM carbon steel ,0.5-30MM aluminum, 0.5~15MM copper, as well as galvanized steel, electrolytic steel and silicon steel etc.

IPG fiber laser

Imported High-power
Auto-focus Cutting Head



High-Speed Motor Exchange Table

●**Enhanced Productivity with Exchange Table:** Our fully enclosed fiber laser cutting machine with an exchange table significantly increases productivity by allowing for simultaneous loading and unloading of materials. This feature reduces downtime and accelerates your production process, maximizing profits.

●**Superior Precision for Metal Cutting:** Specifically designed for metal cutting, our fiber laser cutting machine offers exceptional precision and accuracy.

●**Rapid Cutting Speeds:** Our fiber laser cutting machine boasts impressive cutting speeds without sacrificing quality, allowing you to complete metal cutting projects quickly and efficiently.

●**Wide Range of Compatible Metals:** Our fiber laser cutting machine is optimized for cutting a variety of metals, including stainless steel, aluminum, brass, and more.

Technical parameter

Item	Specification
Table Size	3015, 4015, 4020, 6015, 6020, 6025
Laser Source	1000-30000W
Positioning Accuracy	±0.05mm
Repositioning Accuracy	±0.03mm
Moving speed	80m/min
Acceleration	1.0G
Optional Parts	Air Compressor, Robot, Feeder...

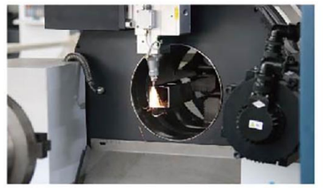
Tube Fiber Laser Cutting Machine

HLG Series

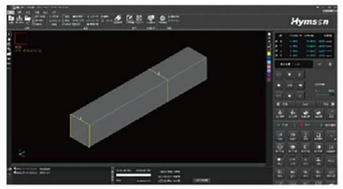
- ●The special pipe laser cutting machine consists of 7 shafts
- ●It can realize the cutting of round, square, rectangular and elliptical pipes
- ●It can realize the one-time forming and processing of 6-meter pipe, and can be equipped with 9-meter and 12-meter pipe cutting machines with different pipe lengths and diameters
- ●The equipment is matched with feeding shaft and pulling shaft, which can greatly reduce the waste of processing tailings
- ●It can cut multiple pipes with different directions and diameters on the main pipe
- ●It can cut variable angle groove surface
- ●It is known as pipe cutting machine and material expert in the industry.

HSSR

Free machining



Material usage



Fully enclosed chuck

●**Specialized Tube Cutting Capabilities:** Our fiber laser tube cutting machine is specifically designed to cut various types of tubes with exceptional precision and accuracy.

●**Impressive Cutting Speeds:** Our fiber laser tube cutting machine boasts rapid cutting speeds without compromising on quality, enabling you to complete projects quickly and efficiently.

●**Wide Range of Compatible Materials:** Our fiber laser tube cutting machine is optimized for cutting a variety of materials, including stainless steel, aluminum, brass, and more.

●**Complex Geometric Cutting:** With advanced technology, our fiber laser tube cutting machine can create intricate and complex geometric designs, allowing you to produce unique and customized tube products that will impress your customers.

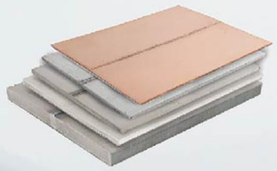
Technical parameter

Item	Specification
Table Size	Φ220,Φ360
Laser Source	1000-30000W
Positioning Accuracy	±0.05mm
Repositioning Accuracy	±0.03mm
Moving speed	80m/min
Acceleration	1.0G
Optional Parts	Air Compressor, Robot, Feeder...

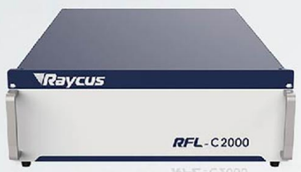
Handheld Laser Welding Machine

HLW Series

●Hand held laser welding machine, which uses hand-held welding gun to replace the previous fixed optical path. Hand held welding is flexible and convenient, and the welding distance is not restricted; Equipped with professional welding software, mainly for laser welding of long-distance and large workpieces; Small heat affected area, no deformation and blackening; Large welding depth and firm welding; Meet the welding requirements of various types of metal plates.

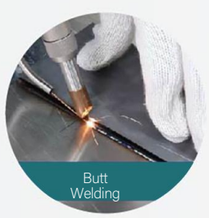


Besides IPG, we also cooperate with domestic laser giant, Raycus to develop special welding laser device. Its size and weight are reduced by 40% and 50% respectively.

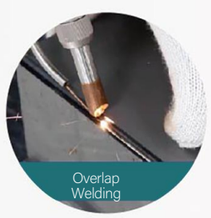


Further Upgrade
in Machine Configuration


Vertical Welding


Butt Welding


External Fillet Weld

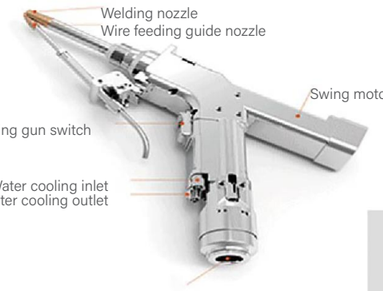

Overlap Welding

HSSR

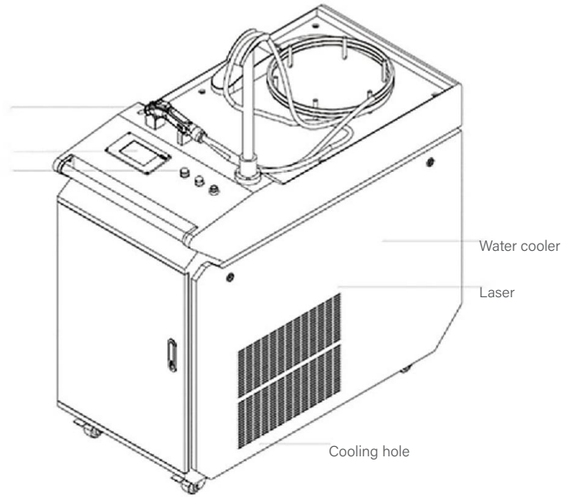
Small and beautiful, easy to move

It adopts an integrated body, which is easy to move around and weld large workpieces


Multiple nozzles optional



Welding gun assembly



360 Degree Welding Head,Light And Flexible

With 100 times of laser energy density, welding efficiency will be improved by 3+times, improving productivity, lowering costs per product.

Technical parameter

Model	HLW1000E	HLW1500E	HLW2000E
Maximum laser power	1000W	1500W	2000W
Penetration (stainless steel, 1m/min)	3mm	4.5mm	6mm
Penetration (carbon steel, 1m/min)	3mm	4.5mm	6mm
Penetration (aluminum alloy, 1m/min)	2mm	3mm	4mm
Automatic wire feeding	Φ0.8-1.2Welding wire	Φ0.8-1.6Welding wire	Φ0.8-1.6Welding wire
Power consumption of the whole machine	≦3KW	≦4.5KW	≦6KW
Cooling mode	With water cooling	With water cooling	With water cooling
Power demand	220V	220V	380V
Argon or nitrogen protection (provided by the customer)	20 L / min	20 L / min	20 L / min
Equipment size	0.8*1.2*1.2m	0.8*1.2*1.2m	0.8*1.2*1.2m
Equipment weight	≈150KG	≈170KG	≈185KG

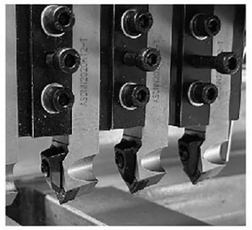
Horizontal
V Grooving Machine

HKG Series

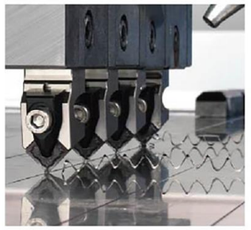
- The equipment is full servo CNC gantry type planer.
- This machine tool uses advanced CNC system, the design is novel.
- With high machining precision, simple operation, no noise, no vibration and so on.
- The machine tool is used to process V-shaped slot, U-shaped slot and other irregular slots on sheet metal parts (including stainless steel plate, aluminum plate, aluminum plastic plate, copper plate, iron plate, rubber board, acrylic plate and some other special plates).
- It is especially suitable for V-slot processing of sheet metal parts before bending.

Taiwan HUST CNC System

The frame plate is thick and high strength



Alloy tool holder



Imported alloy turret

- **High precision:** Horizontal V-grooving machines are known for their high precision and accuracy, which is essential for creating high-quality V-grooves. This is a major concern for buyers who need to produce precise and consistent V-grooves on a range of materials.
- **Versatility:** These machines can handle a wide range of materials, including stainless steel, aluminum, copper, and brass. This makes them ideal for various industries, including sheet metal fabrication, aerospace, and automotive.
- **High efficiency:** Horizontal V-grooving machines are equipped with powerful motors and efficient cutting tools, ensuring fast and efficient V-grooving operations. This is important for buyers who need to increase their production rates and reduce their lead times.

Technical parameter

No.	Technology Specification	Unit	Parameter	Remarks
1	Grooving max width	mm	1250	
2	Grooving max length	mm	4000	
3	Grooving max thickness	mm	4(sheet flatness < 3)	
4	Grooving min thickness	mm	0.6	
5	Minimum edge	mm	8	
6	X axis forward max cutting speed	m/mim	40	
7	X axis backward max speed	m/mim	50	
8	Tool holder Y1 max moving distance	mm	1250	
9	Tool holder Y1 moving resolution	mm	±0.01	
10	Position accuracy	mm	±0.05	
11	Tool holder Z up-down resolution	mm	±0.01	
12	Position accuracy	mm	±0.05	
13	X axis motor power	KW	4.5	
14	Tool holder(Y1 axis) and end pressure material (Y2 axis)	KW	1	
15	Tool holder Z up-down servo motor power	KW	1	
16	Dimensions(L*W*H)	mm	6100×2300×1560	
17	Table flatness	mm	≤0.05	

Vertical
V Grooving Machine

HKV Series

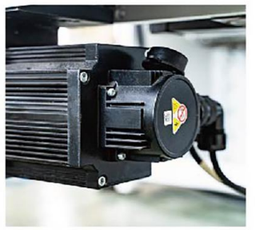
●This series of CNC V groover machine is an upgraded product of traditional equipment. Compared with traditional equipment, it is characterized by heavy load, high speed and high efficiency.

●This equipment adopts frame structure design, high-strength bolt connection, good overall rigidity and small deformation.

●The crossbeam of this equipment is fixed and the work can be replaced by the feed mechanism. Ensure that the flatness of the work surface is within ± 0.03mm.

●This equipment uses a carbon tool steel workbench, hardness after quenching reaches HRC55 or more. Therefore, the table wear is very small and the surface can be changed, thereby prolonging the service life of the equipment.

●This equipment has a 5.6kW high-power servo motor. The cutter body is equipped with 4 cutting tools at the same time. The maximum cutting depth is 1mm, which is 5 times that of traditional equipment and the speed of return is also 5 times faster.



●**High precision:** Vertical V-grooving machines are known for their high precision and accuracy, which is essential for creating high-quality V-grooves. This is a major concern for buyers who need to produce precise and consistent V-grooves on a range of materials.

●**Space-saving:** Vertical V-grooving machines have a smaller footprint than horizontal machines, making them ideal for small workshops or factories with limited space.

●**High stability:** Vertical V-grooving machines have a robust structure and stable base, which reduces vibrations during operation and ensures high-quality V-grooving results.

●**Customizable:** Some manufacturers offer customized vertical V-grooving machines to meet specific customer requirements.

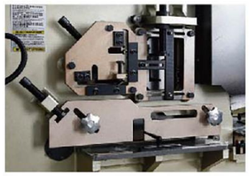
Technical parameter

Technology Specification			
Width	1250mm	1250mm	1250mm
Length	4000mm	5000mm	6000mm
Thickness	0.40-4.00mm	0.40-4.00mm	0.40-4. 00mm
V-groove margin	8mm	8mm	8mm
X-axis max travel speed	70m/min	70m/min	70m/min
X axis max return speed	85m/min	85m/min	85m/min
Y axis max travel speed	20m/min	20m/min	20m/min
Y axis, Z axis repeated positioning accuracy	±0.01mm	±0.01mm	±0.01mm
X axis motor power	4.5KW	4.5KW	4.5KW
Y, Z axis motor power	1KW	1KW	1KW
Dimensions (length X width X height)	5740x2350x2110mm	6740x2350x2110mm	7740x2350×2110mm
Weight	10.5T	12T	18T

Hydraulic Combined Punch & Shear

Q35YL Series

• Hydraulic drive, capable of plates, square steel, round steel, angle, channel, I-beam, H-beam fast cut with punching, die cutting and other functions, can be equipped with cutting-speed feeding device.The standard for Taiwan RSHON Pump and valves, Japan NOK Sealing, Siemens motor, Schneiders electrics.



The cutting position of punching and shearing is convenient for cutting various sizes of section steel, and the adjustable pressing device is convenient for cutting other special sections.

The unique design of the die shear part enables the interlock safety protection of the angle steel and flat steel processing shear electrical appliances, ensuring the maximum safety of the operator.

Technical parameter

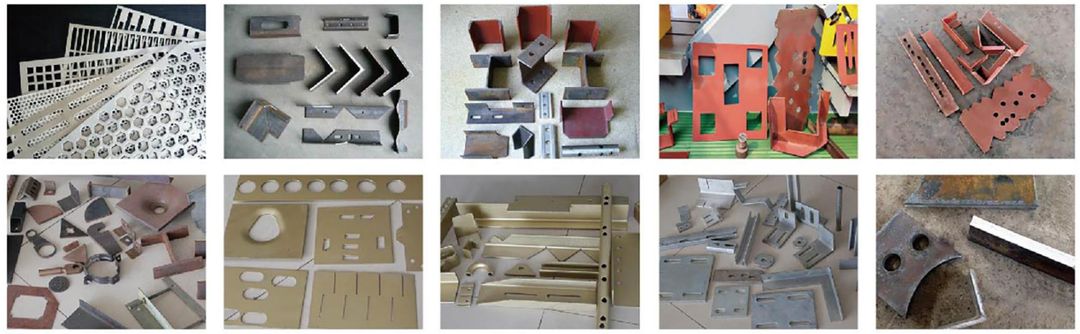
Model		Q35YL-60	Q35YL-90/90A	Q35YL-120/120A	Q35YL-160/160A	Q35YL-200/200A	Q35YL-250A
Pressure	ton	60	90	120	160	200	250
Cutting Angel	°	8	8	8	8	8	8
Material Strength	N/mm²	≤450	≤450	≤450	≤450	≤450	≤450
Cylinder Stroke	mm	80	80	80	80	80	80
Number of no-load trips	min⁻¹	8~22	8~22	8~22	8~22	8~22	8~22
Motor Power with model number	/	25CY-132S-4-5.5kW	25CY-132M-4-7.5kW	25CY-160M-4-11kW	63CY-160L-6-11kW	63CY-180L-6-15kW	63CY-180M-6-18.5kW
Throat Depth	mm	300	355	400	600	600	600
Overall dimension(L*W*H)	mm	1800×880×1800	2000×930×2000	2370×1060×2200	2760×1290×2300	2860×1400×2500	3160×1500×2700
Punching max plate Thickness * Diameter	mm	16×φ30	20×φ35	25×φ35	30×φ38	35×φ40	40×φ42
Equal Angel 90°Shearing	mm	120×120×12	140×140×12	160×160×14	180×180×16	200×200×18	200×200×20
Equal Angel 45°Shearing	mm	70×70×8	70×70×10	80×80×7	80×80×10	100×100×10	120×120×16
Max Diameter of the Round Bar Shearing	mm	φ45	φ50	φ60	φ65	φ70	φ80
Max Length of the Square Bar Shearing	mm	40×40	45×45	50×50	55×55	60×60	65×65
T-bar 90°Shearing	mm	120×120×12	140×140×12	160×160×14	180×180×16	200×200×18	200×200×18
T-bar 45°Shearing	mm	60×60×8	70×70×10	80×80×10	80×80×10	80×80×10	80×80×10
I-beam 90°Shearing	mm	126×74×5	160×86×6	200×102×9	280×124×10.5	300×126×11	320×130×10
MS Channel 90°Shearing	mm	126×53×5.5	160×60×6.5	200×75×9	280×86×11.5	300×89×12	320×92×12
Shearing Board max Thickness* Width	mm	16×250	20×330	25×330	30×355	35×400	40×400
Shearing Board max Width* Thickness	mm	400×8	480×10	600×16	600×20	700×25	750×30
Die Shearing Width*Length	mm	60×115	60×115	60×115	60×115	105×115	105×115

Hydraulic Shear for Profile Steel

Q31YL Series

• The machine adopts hydraulic transmission and lever shearing. It is an optimum equipment for single function shearing of various profiles. Combination of various cutting tools can be used to cut square steel, round steel, bar, angle steel, I-beam, channel steel, T-shaped steel, Z-shaped steel, etc. at 90 degree angle or 45 degree angle (45 degree shear needs customization).

Workpiece Display



Hydraulic Single Position Punching Machine

G46YL Series

• G46YL is an upgraded product of the original J46YL series. Hydraulic single-position punching machine, also known as single-head punching, uses hydraulic transmission, C-type fuselage, large-size worktable and deep throat design, so that stamping has greater space. Double lower die base, upper die spinning locking, rapid die change. It is suitable for punching, bending and shallow drawing of sheet metal and profiles, with high quality, high efficiency and high cost performance. It can be equipped with NC self-feeding device, which is more efficient and energy-saving.

Technical parameter

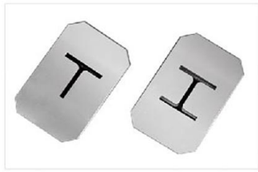
Model		G46YL-60	G46YL-90	G46YL-120	G46YL-160	G46YL-200	G46YL-250
Pressure	ton	60	90	120	160	200	250
Material Strength	N/mm^2	≤450	≤450	≤450	≤450	≤450	≤450
Punching max plate Thickness * Diameter	mm	16×φ30	20×φ35	25×φ35	30×φ38	35×φ40	40×φ42
Overall dimension of workbench(L*W*H)	mm	320×330×40	360×450×50	460×570×50	520×630×60	520×630×80	550×650×100
Cylinder Stroke	mm	80	80	80	80	80	80
Opening Height	mm	270	310	355	385	415	435
Ground Clearance of workbench	mm	850	905	935	940	970	1000
Number of no-load trips	min^{-1}	8~22	8~22	8~22	8~22	8~22	8~22
Throat Depth	mm	300	355	400	600	600	600
Motor Power with model number	/	25CY-132S-4-5.5kW	25CY-132M-4-7.5kW	25CY-160M-4-11kW	63CY-160L-6-11kW	63CY-180L-6-15kW	63CY-180M-6-18.5kW
Overall dimension(L*W*H)	mm	1400×700×1700	1600×930×1890	1800×1060×2070	1900×1290×2270	2360×1380×2370	2500×1460×1520

CNC Feeding hydraulic Punching Machine

SK46YL Series

• SK46YL series NC feeding hydraulic punching machine takes single or double-position punching machine as working machine, changes hydraulic system, increases line control, assists PLC numerical control system, equips with automatic clamping and automatic feeding worktable, and can be customized.

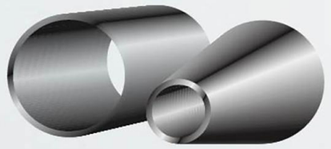
Tool Mould Display



4-Roller Plate Bending Machine

W12 Series

- Very suitable for medium and heavy mild steel plates or stainless steel plate bending
- Ferrules in full circle or varying radiuses or conical shapes, lliptical shapes can be done easilyily
- Pinch roll and lateral rolls move up and down pyramidal linear with hydraulic pistons.
- Overload Protection
- Top Roll and Bottom roll are powered by hydromotor and planetary gearbox (2 central rolls motor driven system)
- Three digital readouts for easy roll positioning
- Hydraulic titable Drop-End and hydraulic upper tiltable roll for easy removal of finished ferrule
- Easy operation with mobile control panel with push buttons
- Welded steel frames
- Induction hardened forged SAE 1050 (CK 50) Steel rolls
- Conical bending device
- Hydraulic balancing system
- Double speed working system



Sample Display

Optional Hydraulic Lateral Support

TO BE THE WORLD'S LEADING HIGH-END EQUIPMENT AND SMART MANUFACTURING SOLUTION PROVIDER

Working of the machine

1 Plate squaring and pinching
2 First pre-bending
3 Rolling
4 Rolling & second pre-bending
5 Finished product

Technical parameter

Type	Maximum Thickness of pre-bending	Maximum thickness for rolling	Maximum width for rolling	Plate yield limit	Rolling speed	Diameter of up roller	Diameter of lower roller	Diameter of side roller	Main power
	(mm)	(mm)	(mm)	mpa	m/min	(mm)	(mm)	(mm)	(KW)
W12–6x2000	6	6	2000	265	5.5	180	180	145	5.5
W12–6x2500	6	6	2500	265	5	210	210	165	7.5
W12–8x2000	6	8	2000	265	5	215	215	165	7.5
W12–8x2500	6	8	2500	265	5	230	230	180	7.5
W12–12x2000	10	12	2000	265	5	260	260	200	11
W12–12x2500	10	12	2500	265	5	280	280	220	15
W12–16x2000	12	16	2000	265	5	280	280	220	15
W12–16x2500	12	16	2500	265	5	330	330	260	22
W12–16x3200	12	16	3200	265	5	360	360	280	30
W12–20x2000	16	20	2000	265	5	330	330	260	22
W12–20x2500	16	20	2500	265	5	360	360	280	30
W12–25x2000	16	25	2000	265	5	360	360	280	30
W12–25x2500	20	25	2500	265	4.5	410	400	320	37
W12–30x2000	25	30	2000	265	4.5	410	400	320	37
W12–30x2500	25	30	2500	265	4.5	470	470	290	45
W12–30x3000	25	30	3000	265	4.5	560	520	420	55
W12–40x2500	35	40	2500	265	4.5	560	520	420	55
W12–40x3000	36	40	3000	265	4	650	580	480	60
W12–50x2500	40	50	2500	265	4	650	620	500	60
W12–50x3000	40	50	3000	265	3.5	720	650	520	75
W12–60x3000	50	60	3000	265	3.5	750	710	560	90