Nanjing Hunsone CNC Machine Manufactory Co., Ltd.

Add: Mingjue Industrial Park, Lishui, Nanjing, Jiangsu, China
Tel: +86-13770803946
E-mail: info@hunsone.com
Https://www.hunsone.com

WhatsApp

Website

CE CQC ISO9001:2008

HUNSONE

SHEET METAL WORKING MACHINES

safe,smart,totally reliable

- Press Brake
- Shearing Machine
- Grooving Machine
- Laser Cutting Machine
- Hydraulic Ironworkers
- Rolling Machine

WWW.HUNSONE.COM

CONTENT

Hunsone CNC Machine constantly pursues technical innovation and product quality, and carries out strict quality inspection according to European standards to ensure the perfect delivery of each equipment

WHO

Who We Are
Steel Metal Specialists

Expertise and reliability

Nanjing Hunsone CNC Machine Manufactory Co., Ltd. is located in the six dynasties ancient capital of Nanjing, Lukou International Airport south suburb, Mingjue industrial Park, east of Shanghai, south of Zhejiang, Beijing-Shanghai, Shanghai-Nanjing, Ninghang, along the river highway, close and pass, convenient transportation.
HUNSONE Company covers an area of 36,000 square meters, with a production plant of 20,000 square meters. It is a professional machine tool production enterprise. The company adopts scientific technological process and implements rigorous inspection system.

Wide range

The production of WE67K series electro-hydraulic servo CNC bending machine, WC67K series hydraulic (numerical control) bending machine, HSL/HSV servo CNC V groover machine, QC11K series hydraulic guillotine shearing machine, QC12K series hydraulic swing beam shearing machine.Product structure is reasonable, good performance, reliable and durable, has been awarded as provincial excellent, ministry excellent products for many times. With strong technical force.

Always by your side

Our products sell well throughout the country and are exported to more than 30 countries and regions such as Europe, America, the Middle East, South Africa and Southeast Asia. HUNSONE perfect products, first-class service, integrity-based, for the purpose of customer value added, won customer praise, reputation at home and abroad.

Product Showroom

600 square meters of equipment exhibition hall

Annual production of more than 1000 machine tools.

VISION & MISSION

Long lasting experience and high professionalism in this field
To be an internationally recognized manufacturer for its competitiveness, reliability, and differentiation of its Engineering solutions for Metal Forming

Our Vision

Our goal is to be a respected provider of sheet metal support services, earning the trust of our customers and the pride of our staff.

Our Mission

We are dedicated to conducting research and development, enhancing product and service quality, in order to establish a globally renowned hub for sheet metal manufacturing machinery.

Our Values

Innovation, Lean, Integrity, Win-Win.

Our Company

Since the establishment of our company, we have undergone 20 years of development. Through the joint efforts of two generations, we have become the largest local machine tool manufacturer. our strength speaks for itself.

An enterprise that does not prioritize technology and R&D cannot sustain continuous development. Our leadership places technology first, allowing our machines to maintain high competitiveness in the current market environment. this sets us apart from many competitors in the industry.

We have always prioritized providing customers with the highest quality machines. We understand that customers feel excitement when they receive a machine of excellent quality, as it helps them in production and achieves career success. this is also our success..

20

YEARS OF EXPERIENCE

Since 2001 we have been operat ing in the machine tool sector as manufacturers of CNC machines.

1000+

ANNUAL PRODUCTION CAPACITY OF 1000+ SETS.

120

More than 120 R&D personnel.

The wide choice of machines is a feature that makes TECHNOLOGY stand out on the market.

30+

COUNTRIES WHERE WE HAVE OUR MACHINES IN STALLED

TECHNOLOGY is active at global level in the sale of punching ma chines

Enterprise **Honor**

30 +
Patent certificate

50 +
Various awards and certifications

Our company adheres to the development philosophy of "technical innovation, scientific management, customer-first" and has continuously achieved high-end technological research and development through strong technological innovation.
The standardized scientific management, strong technical control, and customer-centric service model have continuously won awards and praise from society and the public.

HUNSONE

To be the Global

No.

Exports to more than **30 countries** in the world

2001
HUNSONE was established in Nanjing

2008
HUNSONE output 100 sets monthly

2010
HUNSONE obtained press brake invention patent

2016
HUNSONE introduced Belgian forging technology

2019
HUNSONE honored provincial and ministerial excellent products

2020
HUNSONE obtained CE SGS ISO9001 and other certifications

2024
HUNSONE developed new machine designs

Global **Network**

130+
Exporting country

10000m²+
Production Area

500+
Strivers

180+
R&D Personnel

1000+
Annual Productivity

1000+
Global Sales in 2023

100+
Countries & Regions Served

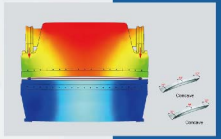
CE ISO
Multiple authentication

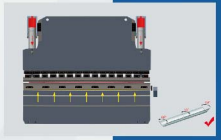
Our **Partners**

CNC
PRESS BRAKE
WE67K

**HIGH SENSITIVITY.
MAXIMUM PRODUCTIVITY.**

- SLIDING FRONT SUPPORT ARMS EASY CLAMPING TOOL HOLDER SYSTEM.
- CUSTOMER FOCUSED ERGONOMIC SOLUTIONS.
- USER-FRIENDLY TOUCH SCREEN.





HUNSONE

ROBUST CONSTRUCTION

The stress can cause the ram and worktable some deformation during the process of bending. The CNC crowning can make relevant compensation to the ram deformation, which improves the precision of press brake by a wide margin. it is specially applied to make some high precision products, such as stainless steel.

HIGH
SENSITIVITY.
MAXIMUM
PRODUCTIVITY.

CNC Standard Equipment


Rexroth hydraulic valves


Ball screwand linear guide


One-key release fast clamp


Electric components


CNC punch and die


GIVI grating ruler


FIRST USA hydraulic pump


Innomotics main moter

Optinal Equipment


Servo motor

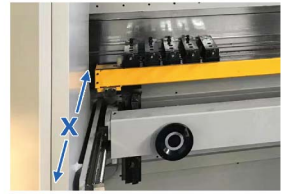

Dual servo pump control


Sheet follower

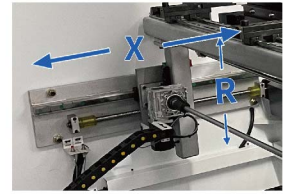

DSP Laser protection

HUNSONE

CNC Backgauge



Axes Backgauge(X)
System matching:
Cybelec:CT8 CT12 PS
Delem:DA53T DA66T DA69T
DA53TX DA58TX DA66S DA69S
ESA:S860 S875



Axes Backgauge(X+R)
System matching:
Cybelec:CT8 CT12 PS
Delem:DA53T DA66T DA69T
DA53TX DA58TX DA66S DA69S
ESA:S860 S875

Axes Backgauge(X1+X2+R1+R2+Z1+Z2)
System matching:
Delem:DA66T DA69T DA69S DA66S
ESA:S860 S875

Axes Backgauge(X+R+Z1+Z2)
System matching:
Delem:DA66T DA69T DA66S
DA69S DA53TX DA58TX
ESA:S860 S875

CNC Presaas Brake Controller

CYBELEC CybTouch 8 PS

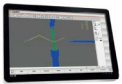
- 8 "color LCD display, touch screen, icon recognition function;
- The "EasyBend" page is processed with easy single bending.
- The fully efficient bending programming can meet the needs of mass production and processing.
- Automatically calculate bending angle, main pressure and deflection compensation;
- Automatic calculation of bending data;
- Automatic calculation of pressure and deflection compensation; automatic calculation of upper die depth;
- Angle, Back Gauge correction.

VP88

- 19" streamlined touch screen design, can be operated even with gloves
- Graphical human-machine interface similar to CT series, easy to learn and use.
- 2D finger drawing programming function (drawing cross-section) and accurate 2D program creation.
- Automatic calculation of bending steps.
- Windows 10 operating system, multi-tasking management and network functions.
- Internal data backup and recovery function.
- Excellent diagnostic function.

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).



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

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).

ESA VIS-875

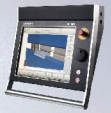
- 21.5"designed for multi touch screen
- Support multi touch application
- No frame,simple but powerful
- Support finger-tip work piece design
- Support import of tools shapes (.dxf ifles)
- Support management of tool library
- Support tool and die holders'management
- Support datam angle measurement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

Delem

HUNSONE

DA-53T(Delem)

- "Hot-key" touch navigation
- 10.1" high resolution colour 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
- TandemLink (option)
- USB memory stick interfacing
- Profile-T offline software



DA-66T(Delem)

- 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

DA-69T(Delem)

- 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.

DA-53TX(Delem)

- "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

DA-58TX(Delem)

- 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

DA-66S(Delem)

- 2D graphical touch screen programming mode
- 3D visualisation in simulation and production mode
- 24" high resolution colour TFT
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Support for Industry 4.0 connectivity (OPC-UA optional)
- Shop floor control, Job list functionality
- Open system architecture
- Sensor bending & correction interface
- Profile-52D offline software

DA-69S(Delem)

- 3D and 2D graphical touch screen programming mode
- 3D visualisation in simulation and production mode
- 24" high resolution colour TFT
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- Support for Industry 4.0 connectivity (OPC-UA optional)
- Shop floor control, Job list functionality
- Open system architecture
- Sensor bending & correction interface
- Profile-S 3D offline software

WE67K SPECIFICATION

Name		Unit	40T1250	40T1600	63T1600	63T2500	63T3200	80T2500	80T3200	100T2500	100T3200
Bending force		KN	400	400	630	630	630	800	800	1000	1000
Bending length		mm	1250	1600	1600	2500	3200	2500	3200	2500	3200
Column distance		mm	700	1000	1000	2000	2500	2050	2500	2000	2500
Throat depth		mm	300	300	300	300	300	300	300	400	400
Cylinder stroke (Y1, Y2)		mm	160	160	160	160	160	200	200	200	200
Daylight(Die loading height)		mm	390	390	390	390	390	420	420	420	420
Y-axis down speed		mm/sec	200	200	180	180	180	180	180	180	180
Y-axis return speed		mm/sec	180	180	160	160	160	140	140	140	140
Y-axis accuracy		mm	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
Work-piece linearity		mm	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Max backgauge travel		mm	500	500	500	500	500	500	500	500	500
X-axis (R-axis) speed		mm/sec	400	400	400	400	400	400	400	400	400
X-axis (R-axis) accuracy		mm	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
Front sliding arms		PCS	2	2	2	2	2	2	2	2	2
Back gauge finger stopper		PCS	2	2	2	2	3	2	3	2	3
Main motor		KW	5.5	5.5	5.5	5.5	5.5	7.5	7.5	7.5	7.5
Dimension	Length	mm	1800	2200	2200	3200	3900	3200	3900	3200	3900
	Width	mm	1250	1300	1400	1500	1500	1600	1600	1700	1750
	Height	mm	2060	2060	2160	2260	2260	2260	2260	2560	2560

100T4000	130T2500	130T3200	130T4000	170T2500	170T3200	170T4000	200T3200	200T4000	250T3200	250T4000	300T3200	300T4000
1000	1300	1300	1300	1700	1700	1700	2000	2000	2500	2500	3000	3000
4000	2500	3200	4000	2500	3200	4000	3200	4000	3200	4000	3200	4000
3200	2000	2500	3200	2000	2500	3200	2500	3200	2500	3200	2500	3200
400	400	400	400	400	400	400	400	400	400	400	400	400
200	200	200	200	200	200	200	200	200	200	200	250	250
420	420	420	420	420	420	420	420	420	420	420	420	420
180	180	180	180	180	180	180	180	180	140	140	140	140
140	140	140	140	140	140	140	140	140	120	120	120	120
±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
500	500	500	500	500	500	500	500	500	500	500	500	500
400	400	400	400	400	400	400	400	400	400	400	400	400
±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	3	4	2	3	4	3	4	3	4	3	4
7.5	7.5	7.5	7.5	11	11	11	15	15	22	22	30	30
4700	3200	3900	4700	3200	3900	4700	3900	4700	3900	4700	3900	4700
1800	1700	1750	1850	2000	2000	2000	2000	2050	2050	2150	2150	2300
2560	2560	2550	2560	2550	2550	2550	2550	2550	2900	2900	3100	3300

NC
PRESS BRAKE
WC67K

ECONOMIC SENSE AND USER-FRIENDLY.

LOW INVESTMENT COST.

ECONOMIC MACHINE.

STRONG RIGID STRUCTURE EASY TOOL REPLACEMENT.

E21 Standard

- Positioning control of back gauge
- Intelligent positioning control
- Unilateral and bidirectional positioning which eliminates spindel clerance effectively
- Retract functions
- Automatic reference seraching
- One-key parameter backup and restore
- Fast position indexing
- 40 programs storage space, each program has 25 step
- Power-off protechtion

Optional CNC Control System

HUNSONE

CybTouch8

- 8 "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, Back Gauge correction;

E310P

- With the new 10.1 "smart screen, the display is clearer and faster. (15 "screen optional)
- Integrated suspension, ergonomic design, convenient operation, beautiful atmosphere, easy installation.
- New UI interface, simple interaction, easy to use.
- Support one page programming, simple and clear, fast function key page to choose from, easy to operate.
- Using advanced CAN bus motion control technology, simple connection, fast, accurate and stable positioning.
- Built-in one-click recovery function to reduce service costs.
- English and Chinese language switch, British units are optional.
- The system starts quickly in 2 seconds, and the user experience is better.
- The system adopts split-type structure design, and the user connection is more convenient.

DA41T

- Ultra-high resolution 7" widescreen TFT LCD display
- Industrial-grade PCT tempered glass touch screen
- Ergonomic design for easy operation
- High strength and scratch resistance, can be operated with gloves
- Each nuance highlights the high-end level
- The shell is designed based on panel installation, easy to integrate
- USB interface
- Perfect combination with current bending machine design style

TP10s

- 10 inch high-definition color touch screen
- Menu programming interface
- Equipped with servo motor
- CANopen bus control mode, completely eliminate interference positioning error
- Support Angle programming, the system automatically calculates the bending depth of the plate
- Slider position control
- Rear stop position control
- Pressure holding time setting
- 20 programs, each program 20 work steps
- Soft limit function
- Power off memory

NC Standard Equipment


Hydraulic valve


Ball screw


One-key roloase fast clamp


Electric components


FIRST USA hydraulic pump


LG inverter


Adjustable Z stoppers


Innomotics main moter

Optinal Equipment

- Light curtain
- Tooling Cabinet
- MSD Laser Prolection
- Manual crowning system


Manual crowing compensation
Mechanical crowing compensation

Light curtain protection


MSD Laser protection

NC Torsion Bar

Only HUNSONE uses a pressure-controlled bending method that is faster and two or three times more productive than traditional pressure holding method in other factories.
HUNSONE uses two slide bases to connect the cylinders, the gap only has 0.05mm. Other factories use connecting arms and fix them with screws, the gap will slowly become large.


Our- two slide bases


Other-connecting arms

Solid cylinders are made of a solid, monolithic material with a relatively simple structure that reduces possible vibration and loosening problems between components, making them more stable and reliable during operation. It is suitable for heavy duty seismic devices under heavy force and pressure.Many manufacturers use hollow pistons, but HUNSONE uses solid pistons, which are heavier, more stable and more durable.


Oil cylinder


Oil cylinder

WC67K SPECIFICATION

Name		Unit	70T2500	70T3200	100T2500	100T3200	100T4000	135T2500	135T3200	135T4000
Bending force		KN	700	700	1000	1000	1000	1350	1350	1350
Bending length		mm	2500	3200	2500	3200	4000	2500	3200	4000
Column distance		mm	2000	2500	2000	2500	3150	2000	2500	3150
Throat depth		mm	300	300	300	300	400	300	300	400
Ram stroke		mm	100	100	130	130	130	130	130	130
Max. opening height		mm	390	390	390	390	390	390	390	390
Ram down speed		mm/sec	160	160	160	160	160	160	160	160
Ram back speed		mm/sec	140	140	140	140	140	140	140	140
Ram working speed		mm/sec	≈12	≈12	≈12	≈12	≈12	≈12	≈12	≈12
Work-price linearity		mm	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Max. Back gauge distance		mm	500	500	500	500	500	500	500	500
Front sliding arms		PCS	2	2	2	2	2	2	2	2
Bending angle accuracy		(°)	±50	±50	±50	±50	±50	±50	±50	±50
Back gauge finger stopper		PCS	2	3	2	3	4	2	3	4
Main motor		KW	5.5	5.5	7.5	7.5	7.5	7.5	7.5	7.5
Control system		/	E21	E21	E21	E21	E21	E21	E21	E21
Dimension	Length	mm	2600	3300	2600	3300	4100	2600	3300	4100
	Width	mm	1250	1250	1330	1350	1350	1350	1550	1550
	Height	mm	2250	2250	2350	2350	2350	2350	2350	2350

Name	165T2500	165T3200	165T4000	200T3200	200T4000	250T2500	250T3200	250T4000	300T3200	300T4000
Bending force	1650	1650	1650	2000	2000	2500	2500	2500	3000	3000
Bending length	2500	3200	4000	3200	4000	2500	3200	4000	3200	4000
Column distance	2000	2500	3150	2500	3500	2000	2500	3200	2500	3200
Throat depth	300	300	400	300	400	300	300	400	400	400
Ram stroke	160	160	160	175	175	250	250	250	250	250
Max. opening height	390	390	390	390	390	390	390	390	420	420
Ram down speed	140	140	140	120	120	120	120	120	110	100
Ram back speed	120	120	120	110	110	110	110	110	100	90
Ram working speed	≈11	≈11	≈11	≈10	≈10	≈9	≈9	≈9	≈9	≈9
Work-price linearity	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Max. Back gauge distance	500	500	500	500	500	500	500	500	500	500
Front sliding arms	2	2	2	2	2	2	2	2	2	2
Bending angle accuracy	±50	±50	±50	±50	±50	±50	±50	±50	±50	±50
Back gauge finger stopper	2	3	4	3	4	2	3	4	3	4
Main motor	11	11	11	15	15	18.5	18.5	18.5	22	22
Control system	E21	E21	E21	E21	E21	E21	E21	E21	E21	E21
Dimension Length	2600	3300	4100	3300	3300	2600	3300	4100	3300	4100
Dimension Width	1550	1550	1650	1700	1700	1800	1800	1800	1800	1900
Dimension Height	2350	2350	2350	2650	2650	2800	2800	2900	3050	3050

SHEET BENDING FORCE TABLE

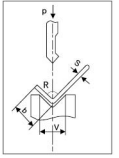
Force Calculation Formula for Press Brake

P-bending force (kN)
S-Plate thickness (mm)
L-board width (meters)

V-lower die slot width (mm)
Calculation formula: $P=650S^2L/V(\sigma_b=450N/mm^2)$

	v	4	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50	55	60	65	70	80	90	100	120
	b	2.8	4	5.5	7	8.5	10	11	12.5	14	17	20	22	25	28	31	35	38	42	46	49	56	63	70	85
	R	0.7	1	1.3	1.6	2	2.3	2.6	3	3.3	3.8	4.5	5	6	6.5	7	8	9	10	11	12	13	14	16	19
S	0.5	40	30																						
	0.6	60	40	30	30																				
	0.8		70	50	40	30																			
	1		110	80	70	60																			
	1.2			120	100	80	70	60																	
	1.5				150	120	110	90	80																
	2					220	190	170	150	130	110														
	2.5							250	220	200	170	150	130												
	3								330	290	250	210	180	160											
	3.5									400	330	290	250	220	200										
	4										440	370	330	290	260	230	210								
	4.5											470	410	370	330	300	270	250							
	5												510	450	400	360	330	300	270	250	340				
	6														580	520	470	430	390	360	600	300			
	8																820	750	700	640	920	520	460	420	
	10																		1070	990	1320	810	720	650	
	12																					1160	1030	950	780
	14																						1400	1250	1100

Figures in this Chart is based on following parameters: material strength σ_b=450N/mm² and length L=1m. Force for material with different strength and length can be calculated proportionally.

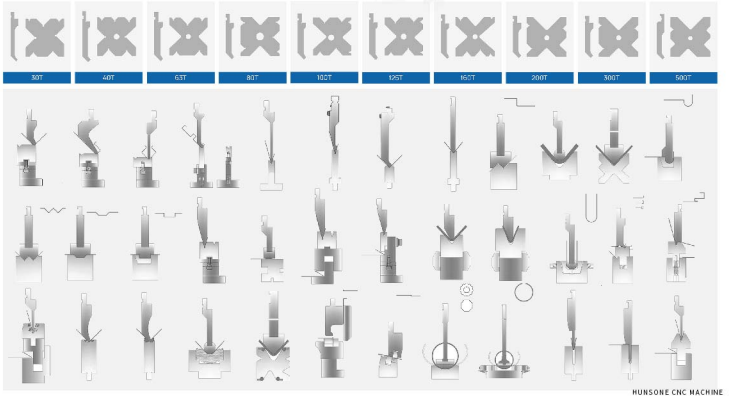


Bending diagram

BENDING WORKPIECE DRAWING

HUNSONE 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/mm²
- Adds corrosion resistance to tooling



GUILLOTINE SHEARING MACHINE

QC11K

Adopt a whole welding structure, the main parts annealing treatment, releasing internal stress.

COST-EFFECTIVE PRECISION RAPID CUTTING.

- VERSATILITY / SPEED.
- EASY TO OPERATE.
- DURABILITY / SAFETY.

SHUNSONE

Optional CNC Control System

ESTUN E21S

- Rear stopper control
- Control common motor or frequency converter
- Intelligent positioning
- Dual programmable digital output
- Workpiece count
- 40 program storage, 25 steps per program
- Parameter one key backup and recovery

DELEM DAC360T

- 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

ELGO P40T

- ELGO P40T
- TFT- display with touch operation
- Manual function
- Single set operation
- Program memory
- Digital outputs up tol 2A
- Analog outputs
- Material depending gap, angle and pressure calculation
- Cut automat
- Sheet support

QC11K Standard Equipment

FIRST USA hydraulic pump

OLAYD Accumulator

Schneider electric components

RACLE Hydraulic valve

IG Inverter

Innomotics main moter

Optinal Equipment

· Light curtain

· Pneumatic rear supporting system

QC11K shearing machine feature

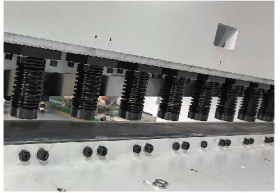
Due to the large ball size, the bearing capacity of the large ball feeding system is generally higher than that of the small ball feeding system. It can withstand large material loads, thus ensuring the stability and safety of high-load transportation.Small ball feeding system because the ball size is small, the load is relatively small, so its load capacity is larger ball system is lower.

Ball feeding

Ball feeding

The hand wheel can precisely adjust the position of the shear seat and the clearance of the cutting edge.
Subtle adjustments can be made as needed to obtain more accurate cutting results and machining dimensions.The press foot clamps and secures the sheet metal to be cut to prevent loosening, slipping or twisting during shearing. This helps ensure a steady contact between the cutter and the table, resulting in high-quality cutting.

Cutting blade clearance adjustment hand wheel



Holder

QC11K SPECIFICATION

Name	Unit		6×2500	6x3100	6x4000	8x2500	8x3100	8x4000	13x2500	13x3100	13x4000	16x2500	16x3100	16x4000	20x2500	20x3100
Maximum cutting thickness (carbon steel)	mm		6	6	6	8	8	8	13	13	13	16	16	16	20	20
Maximum cutting length (carbon steel)	mm		2500	3100	4000	2500	3100	4000	2500	3100	4000	2500	3100	4000	2500	3100
Cutting angle	°		2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°	2.5°
Cutting speed	Times/min		18	15	11	17	15	11	9	8	7	9	8	7	8	8
Cutting blade	length	mm	2550*1	1575*2	2050*2	2550*1	1575*2	2050*2	2550*1	1575*2	2050*2	2550*1	1575*2	2050*2	2550*1	1575*2
Back gauge	travel	mm	10-750	10-750	10-750	10-750	10-750	10-750	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000	10-1000
	speed	mm/sec	180	180	180	180	180	180	180	180	180	180	180	180	180	180
	accuracy	mm	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
Front arms	length	mm	800	800	800	800	800	800	1200	1200	1200	1200	1200	1200	1200	1200
	quantity	PCS	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Spring pressure cylinder		PCS	14	16	22	14	16	22	14	16	22	14	16	22	14	16
Main motor		KW	7.5	7.5	7.5	11	11	11	15	15	15	22	15	22	30	30
Control system		/	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S
Dimension		(L*W*H) mm	3200*1750*2100	3900*1750*2100	4700*1870*2200	3200*1800*2150	3800*1800*2150	4700*1900*2250	3300*2150*2300	3900*2150*2300	4800*2250*2300	3300*2250*2550	3900*2250*2550	4800*2450*2750	3400*2300*2550	4000*2300*2550

SWING BEAM
SHEARING MACHINE
QC12K

The frame and ram are processed at one time completelyby a heavy-duty boring and milling machine.

REASONABLE PRICE
PRECISION CUTTING.

- FAST AND EFFICIENT.
- EASY TO OPERAT.
- DURABLE AND RELIABLE.

Optional CNC Control System

E21s

- Rear stopper control
- Control common motor or frequency converter
- Intelligent positioning
- Dual programmable digital output
- Workplece count
- 40 program storage, 25 steps per program
- Parameter one key backup and recovery

E200ps

- TFT- display with touch operation
- Manual function
- Single set operation
- Program memory
- Digital outputs up tol 2A
- Analog outputs
- Material depending gap, angle and pressure calculation
- Cut automat
- Sheet support

QC12K Standard Equipment

FIRST USA hydraulic pump

NOK Seal rings

Schneider electric components

REXROTH Hydraulic valve

IG Inverter

Innomotics main moter

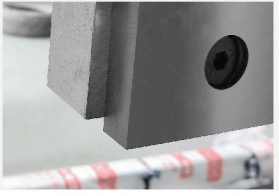
Optinal Equipment

· Light curtain
· Pneumatic back support

QC12K shearing machine feature

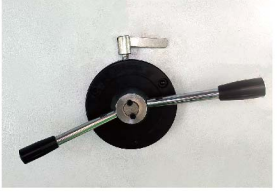
The tool arm is connected with the main driving mechanism through the handle shaft to realize the high-speed swing of the tool arm.
Fast cutting speed, suitable for large quantities of fast cutting.
High precision, good cutting quality.

Our- two slide bases

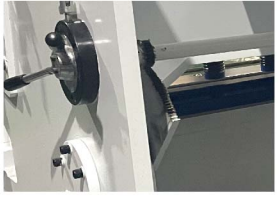


Cutting edge

The rotation accuracy of the manual adjustment wheel is high, and it can be fine-tuned. By manually adjusting the rotation of the wheel, changing the Angle of the scissors arm, adjusting the cutting Angle, and controlling the cutting length, the operator can precisely adjust the cutting Angle and length according to the workpiece size and processing requirements to ensure the accuracy of processing.



Side tool adjusting wheel



Cutting blade clearance manual adjustment

QC12K SPECIFICATION

Name	Unit		4×2500	4×3200	4×4000	6×2500	6×3200	6×4000	8×2500	8×3200	8×4000	10×2500	10×3200	10×4000	12×2500	12×3200	12×4000	16×2500	16×3200	16×4000
Maximum cutting thickness (carbon steel)	mm		4	4	4	6	6	6	8	8	8	10	10	10	12	12	12	16	16	16
Maximum cutting length (carbon steel)	mm		2500	3200	4000	2500	3200	4000	2500	3200	4000	2500	3200	4000	2500	3200	4000	2500	3200	4000
Throat depth	mm		200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
Cutting angle	°		1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′	1°30′
Cutting speed	Times/min		≥18	≥14	≥10	≥10	≥14	≥10	≥14	≥10	≥8	≥12	≥10	≥8	≥11	≥10	≥8	≥8	≥7	≥5
Cutting blade	length	mm	1300x2	1100x3	1025x4	1300x2	1100x3	1025x4	1300x2	1100x3	1025x4	1300x2	1100x3	1025x4	1300x2	1100x3	1025x4	1300x2	1100x3	1025x4
Back gauge	travel	mm	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600	20-600
	speed	mm/sec	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
	accuracy	mm	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02	±0.02
Front arms	length	mm	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
	quantity	PCS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Spring pressure cylinder		PCS	12	15	19	12	15	19	12	15	19	15	15	19	12	15	19	12	15	19
Main motor		KW	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	11	11	11	15	15	15	18.5	18.5	18.5
Control system		/	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S	E21S
Dimension		(L*W*H) mm	3040*1550*1550	3840*1550*1550	4600*1700*1700	3040*1710*1620	3840*1710*1620	4620*1850*1700	3040*1710*1700	3860*1710*1700	4640*1710*1700	3040*1800*1700	3860*2000*1700	4650*2100*2000	3140*2050*2000	3880*2150*2000	4680*2150*2100	3140*2250*2100	3880*2250*2100	4750*2250*2200

VERTICAL GROOVING MACHINE HSDV

EFFICIENT AND FAST GOOD ACCURACY.

Wide processing range, can achieve different depth and width of the grooving processing simple operation, stable structure with high working stability and reliability

Vertical grooving machine Controller

HUST A60IBL15

- Equipped with a 15-inch touch screen
- English and Chinese as standard
- Support CAD/CAM auxiliary programming.
- International standard CNC programming specification with standard peripheral communication module.
- Mainstream RT Linux embedded control system platform,Support for SSI absolute encoders and MECHATROLINK-II or EtherCAT bus.
- Support for connecting multiple vision systems, graphic integration of multiple cameras, data analysis, and direct connection with intelligent cameras or PC-BASE mode to achieve visual positioning, " flying shots, and other functions
- This makes it easier to achieve industrial automation control.
- Support tilt plane processing, electronic profiling functions, etc., can be used flexibly according to actual needs.
- Up to 16 channels combined technology, each channel can independently run different CNC files, PLC. PID, spindle, etc., and can perform any synchronization, waiting, and data communication between channels, greatly improving work efficiency.
- With a complete development platform open screen editing software-HMI, customized man-machine design, the best choice for automation equipment.

CONTROLLER

Vertical type Standard Equipment

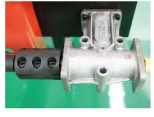

PMI Ball screw


KORLOY or ABP Alloy Blade

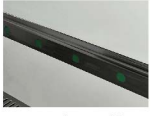

HUST Servo motor


Fixed Clamps


Moving Clamps


CHINA


OMRON Limit Switch


HIWIN Linear Guides

EFFICIENT.
FAST GOOD.
AND
ACCURACY.

Vertical grooving machine features

The fixed press foot provides stable support and pressure between the workpiece and the slotted cutter head to prevent movement or shaking of the workpiece. The auxiliary presser foot can provide additional support and stability by adjusting the position and pressure to keep the workpiece level and balanced during processing.


Fixed Clamps


Auxiliary Clamps

Vertical slotting machine can be back-and-forth planing, in the processing of large width of the work-piece, to ensure the stability of the workpiece, through the back-and-forth planing can make the whole workpiece to get a uniform planing, improve the processing quality.


High Speed Steel


Alloy Blade

HSDV SPECIFICATION

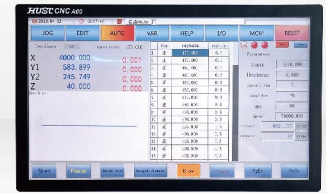
Model	Name	HSDV-1250x2500	HSDV-1250x3200	HSDV-1250x4200	HSDV-1250x6200	HSDV-1600x3200	HSDV-1600x4200	HSDV-1600x5200	HSDV-1600x6200
Machining Capacity	Material	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345
	Max Grooving Length	2500mm	3200mm	5600mm	6200mm	3200mm	4200mm	5200mm	6200mm
	Max Grooving width	1250mm	1250mm	1250mm	1250mm	1600mm	1250mm	1600mm	1600mm
	Grooving Thickness Range	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm
System Configuration	Minimum edge	8mm	8mm	8mm	8mm	8mm	8mm	8mm	8mm
	Control Type	4-axis CNC control(X,Y,Z1,Z2)	4-axis CNC control(X,Y,Z1,Z2)	4-axis CNC control(X,Y,Z1,Z2)	4-axis CNC control(X,Y,Z1,Z2)	4-axis CNC control(X,Y,Z1,Z2)	4-axis CNC control(X,Y,Z1,Z2)	4-axis CNC control(X,Y,Z1,Z2)	4-axis CNC control(X,Y,Z1,Z2)
	Display	15 inches	15 inches	15 inches	15 inches	15 inches	15 inches	15 inches	15 inches
	Storage capacity	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups
Machining Speed	Cross beam (X axis)	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min
	Cross beam (X axis)	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min	0-90m/min
	Backgauge (Y axis)	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min
	Tool holder (Z1,Z2 axis) up and down	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min
Machining Precision	Maximum distance of beam(X axis)	2500mm	3200mm	5200mm	6200mm	3200mm	4200mm	5200mm	6200mm
	Cross beam (X axis) repeated positioning accuracy	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	Backgauge(Y axis)stroke	1250mm	1250mm	1250mm	1250mm	1600mm	1250mm	1600mm	1600mm
	Backgauge (Y axis) repeat positioning accuracy	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	The maximum distance of the tool holder up and down(Z1,Z2 axis)	10mm	10mm	10mm	10mm	10mm	10mm	10mm	10mm
	Repeated positioning of tool holder up and down(Z1,Z2 axis)	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
Driving Mode	Cross beam (X axis)	4KW	4KW	4KW	4KW	4KW	4KW	4KW	4KW
	Backgauge (Y axis)	2KW	2KW	2KW	2KW	2KW	2KW	2KW	2KW
	Tool holder moves up and down (Z1,Z2 axis)	0.4KW+ 0.4KW	0.4KW+ 0.4KW	0.4KW + 0.4KW	0.4KW+0.4KW	0.4KW+0.4KW	0.4KW+0.4KW	0.4KW+ 0.4KW	0.4KW+0.4KW
Clamping Device				Hydraulic clamp					
Dimensions	Length	3900mm	4600mm	6600mm	7600mm	4600mm	5600mm	6600mm	7600mm
	Width	2700mm	2700mm	2700mm	2700mm	3000mm	2700mm	3000mm	3000mm
	Height	2100mm	2100mm	2100mm	2100mm	2100mm	2100mm	2100mm	2100mm
Worktable Flatness		±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M

HORIZONTAL GROOVING MACHINE HSL

GOOD STABILITY HIGH MACHINING PRECISION.

The support area is larger the structure is more stable strong adaptability, convenient operation and high safety.

CONTROLLER



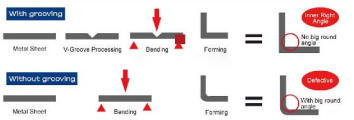
HUST A60IBL19

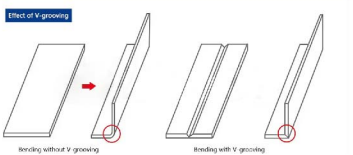
- Equipped with a 19-inch touch screen
- English and Chinese as standard
- Support CAD/CAM auxiliary programming.
- International standard CNC programming specification with standard peripheral communication module.
- Mainstream RT Linux embedded control system platform.Support for SSI absolute encoders and MECHATROLINK-II or EtherCAT bus.
- Industrial Internet of Things technology, support for mobile phone APP customized configuration monitoring, remote network system firmware upgrade, and assistance with fault diagnosis and troubleshooting.
- Support synchronous control, winding control, and other different high-speed and high-precision motion control and positioning functions to improve accuracy as well as stability.
- Support standard TCP protocol communication connection, real-time monitoring of the controller status, and MDI. DNC, CNC has three ways to choose more flexible and convenient processing.
- With a complete development platform open screen editing software-HMI, customized man-machine design, the best choice for automation equipment.

HUNSONE

Grooving VS Not Grooving

V Groove machining is primarily used to facilitate the bending or folding of various materials and creates a V-shaped cut or channel along the surface of a material. This cut along the fold line acts as a hinge, allowing the product to achieve 90-degree bends with relatively small bending radii. The V-grooving is also known as score-folding, V-cutting, and back-scoring.



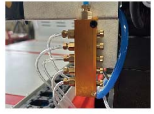


Horizontal type Standard Equipment

PMI Ball screw

KORLOY or ABP Alloy Blade

HUST Servo motor

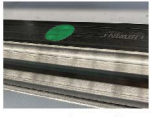


Grease Separator

Hand Oil Pump

Air Compressor (Optional)

AUTONICS Limit Switch



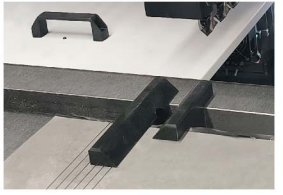
HIWIN Linear Guides

GOOD STABILITY. HIGH MACHINING PRECISION.

Horizontal grooving machine features

Horizontal grooving machines are usually equipped with side fixed press feet and moving press feet, the side fixed press feet are used to fix and stabilize the workpiece to prevent it from moving or shaking during processing, the mobile press heel moves with the position of the tool holder, and the grooving is more accurate

Fixed Clamps



Auxiliary Clamps

The tool holder of a horizontal planer is usually made of a strong metal material that provides sufficient strength and stability to withstand the high-speed rotation and planing forces of the planing process.
The horizontal grooving machine can be fitted with 4 blades, providing higher cutting efficiency and surface quality.

Alloy tool holder

KORLOY or ABP Alloy Blade

HSL SPECIFICATION

Model	Name	HSL-1250x2500	HSL-1250x3200	HSL-1250x4000	HSL-1250x5000	HSL-1250x6000	HSL-1500x2500	HSL-1500x3200	HSL-1500x4000	HSL-1500x5000	HSL-1500x6000
Machining	Material	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345	STS304&Q345
Capacity	Max Grooving Length	2500mm	3200mm	4000mm	5000mm	6000mm	2500mm	3200mm	4000mm	5000mm	6000mm
	Max Grooving width	1250mm	1250mm	1250mm	1250mm	1250mm	1500mm	1500mm	1500mm	1500mm	1500mm
	Grooving Thickness Range	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm	0.6mm-4mm
System Configuration	Minimum edge	8mm	8mm	8mm	8mm	8mm	8mm	8mm	8mm	8mm	8mm
	Control Type	4-axis CNC control(X,Y1,Y2,Z)	4-axis CNC control(X, Y1, Y2,Z)	4-axis CNC control(X, Y1, Y2,Z)	4-axis CNC control (X, Y1, Y2,Z)	4-axis CNC control (X, Y1, Y2,Z)	4-axis CNC control(X, Y1, Y2,Z)	4-axis CNC control (X, Y1, Y2,Z)	4-axis CNC control (X, Y1, Y2,Z)	4-axis CNC control(X,Y1,Y2,Z)	4-axis CNC control(X, Y1, Y2,Z)
	Display	19 Inch	19 Inch	19 Inch	19 Inch	19 Inch	19 Inch	19 Inch	19 Inch	19 Inch	19 Inch
	Storage capacity	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups	9999 groups
Machining Speed	Cross beam (X axis)	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min
	Cross beam (X axis)	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min	0-100m/min
	Tool holder (Y1 axis) and clamp (Y2 axis)	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min	Max 20m/min
	Tool holder (Z axis) up and down	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min	Max 15m/min
Machining Precision	Maximum stroke of beam (X axis)	2500mm	3200mm	4000mm	5000mm	6000mm	2500mm	3200mm	4000mm	5000mm	6000mm
	Cross beam (X axis) repeat positioning accuracy	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	Tool holder (Y1 axis) and clamp (Y2 axis) stroke	1250mm	1250mm	1250mm	1250mm	1250mm	1500mm	1500mm	1500mm	1500mm	1500mm
	Tool holder (Y1 axis) and clamp (Y2 axis) repeat positioning accuracy	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
	The maximum distance of the tool holder up and down (Z axis)	50mm	50mm	50mm	50mm	50mm	50mm	50mm	50mm	50mm	50mm
	Repeated positioning of tool holder up and down (Z axis)	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm	±0.01mm
Driving Mode	Cross beam (X axis)	5.5KW	5.5KW	5.5KW	5.5KW	5.5KW	5.5KW	5.5KW	5.5KW	5.5KW	5.5KW
	Tool holder (Y1 axis) and clamp(Y2 axis)	1+1KW	1+1KW	1+1KW	1+1KW	1+1KW	1+1KW	1+1KW	1+1KW	1+1KW	1+1KW
	Tool holder moves up and down(Z axis)	1KW	1KW	1KW	1KW	1KW	1kw	1KW	1KW	1KW	1KW
Clamping Device		Hydraulic clamp									
Dimensions	Length	4600mm	5100mm	5800mm	7100mm	8100mm	4600mm	5100mm	5800mm	7100mm	8100mm
	Width	2300mm	2300mm	2300mm	2300mm	2300mm	2500mm	2500mm	2500mm	2500mm	2500mm
	Height	1560mm	1560mm	1560mm	1560mm	1700mm	1560mm	1560mm	1560mm	1560mm	1700mm
Worktable Flatness		±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M	+0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M	±0.02mm/M

OPEN TYPE FIBER LASER CUTTING MACHINE

Model	3015	4015	6020	Option
Cutting range	1500*3000mm	1500*4000mm	2000*6000mm	According to demands
Laser power	500W/800W/1000W/1500W (Option:2000W/3000W)			
Max. moving speed	100m/min			
Max. cutting speed	35-80m/min			
Positioning accuracy	0.03mm			
Reposition accuracy	0.02mm			
Min. line width	0.1mm			

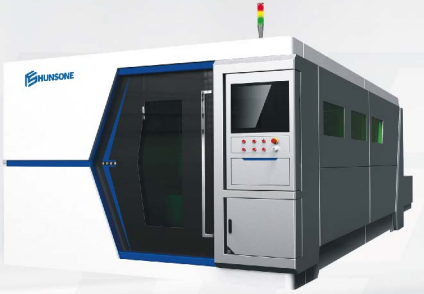
EFFICIENT AND FAST GOOD ACCURACY.

Wide processing range, can achieve different depth and width of the grooving processing simple operation, stable structure with high working stability and reliability

COVER AND EXCHANGE TABLE FIBER LASER CUTTING MACHINE

EFFICIENT AND FAST GOOD ACCURACY.

Closed processed environment,anti-dust,anti-smoke,safety and environment-friendly.
Entriely heavy antry atructure machine body,high strength alumi-num-casted gantry,good rigidity,stable performance.
Imported high precision transmisson device which is perfectly work with Servo system,thus it can make sure cutting precision and efficency.
Professional laser cutting CNC system,Automatically track edge and lay out material,Improve the efficiency of metal utilization and production.
Optional high speed exchangeable table,simplify work process and save time.



Model	3015	4020	6020	Option
Cutting range	1500*3000mm	2000*4000mm	2000*6000mm	According to demands
Laser power	500W/800W/1000W/1500W (Option:2000W/3000W/4000W/6000W)			
Max. moving speed	120m/min			
Max. cutting speed	35-100m/min			
Positioning accuracy	0.03mm			
Reposition accuracy	0.02mm			
Min. line width	0.1mm			

METAL SHEET & TUBE FIBER LASER CUTTING MACHINE

Model	3015	4020	6020	Option
Sheet cutting range	1550*3200mm	2050*4200mm	2050*6200mm	According to demands
Pipe cutting length	6000mm			
Chuck maximum grip	220mm			
Laser power	≤6000kw			
Maximum idle speed	90m/min			
Positioning accuracy	±0.02mm			
Reposition accuracy	±0.03mm			
Operating Voltage	380VAC±5% 50Hz			

EFFICIENT AND FAST GOOD ACCURACY.

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

PROFESSIONAL TUBE FIBER LASER CUTTING MACHINE

Model	6022	6022	Option
Sheet cutting range	6000mm		
Pipe cutting length	220mm~360mm		
Chuck maximum grip	<6000W		
Laser power	10m/s2		
Maximum idle speed	±0.02mm/m		
Positioning accuracy	±0.03mm		
Reposition accuracy	150rmp		
Operating Voltage	380VAC±5% 50Hz		

EFFICIENT AND FAST GOOD ACCURACY.

The special pipe laser cutting machine can realize the cutting of various pipes such as round pipes, square pipes, rectangular pipes, and oval pipes; it is called the pipe cutting machine and material belt expert in the industry.

HYDRAULIC OMBINED PUNCHING AND SHEARING MACHINE

Q35Y

VERSATILITY HIGH PRECISION.

Using hydraulic drive, can be flat steel, square steel, round steel, Angle steel, channel steel, I steel for cutting, punching, die cutting.
High efficiency, flexibility, cost savings


Punching station


Material Pressing device


Die shearing station


U-bar punching shear


Angle iron punching shear


Square steel or Steel rod


*Pipe Notching


Punching


*Angle Bending


*Radius Corners


Punching


*Pipe Punching


*Rounding o ff Corners


*Cutting and Rounding o ff


*Press Brake

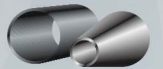

*Bilateral Rounding o ff

Model	Q35Y-16	Q35Y-20	Q35Y-25	Q35Y-30	Q35Y-40
Punching Pressure (T)	60T	90T	120T	160T	200T
Max.cutting thickness of sheet plates (mm)	16	20	25	30	40
Material strength (N/mm)	≤450	≤450	≤450	≤450	≤450
Angle of shear (°)	7°	8°	8°	8°	8°
Flat bar shearing (T×W)	16×250 8×400	20×330 10×480	25×330 16×600	30×335 20×600	40×335 30×600
Max.length of cylinder stroke (mm)	80	80	80	80	100
Trips frequency (times/min)	11-20	12-20	8-18	6-16	6-16
Depth of throat (mm)	300	355	400	600	530
Punch depth (mm)	16	20	25	28	35
Max.punching diameter (mm)	25	30	35	38	40
Motor Power (KW)	5.5	7.5	11	15	18.5
Overall dimensions (L×W×H) (appro.)	1740×810×1830	1950×900×1950	2355×960×2090	2800×1050×2450	2900×1100×2500

ROLLING MACHINE WITH THREE ROLLERS

W11

The machine adopts three-roller symmetrical stucture with the upper roller moving vertically in the center between the two lower rollers,which is achieved through the drive of the screw,the nut,the worm and the lead screw,the two lower rollers rotates,and provides the plate materials with torque through the engagement of the output gear of the moderator with the gear of the lower rollers.The disadvantage of the machine is that the ends of the plate materials need to have the help from other equipment for pre-bending.



W11 SPECIFICATION

Model	Max rolling thickness*width (mm)	Plate-rolling speed (m/min)	Min roll diameter (mm)	Upper roller diameter (mm)	Bottom roller diameter (mm)	Supporting roller diameter (mm)	two bottom roller	Yield limit (mpa)	Main motor (KW)
W11-6×1500	6×1500	5.5	380	180	160		210	245	5.5
W11-6×2000	6×2000	5.5	380	180	160		220	245	5.5
W11-6×2500	6×2500	5.6	500	190	170		260	245	7.5
W11-6×3200	6×3200	5.5	500	240	200		310	245	11
W11-8×2000	8×2000	5.6	450	190	170		260	245	7.5
W11-8×2500	8×2500	5.5	500	240	200		310	245	11
W11-12×2000	12×2000	5.5	500	240	200		310	245	11
W11-12×2500	12×2500	5.8	650	260	220		340	245	15
W11-12×3000	12×3000	6	750	280	240		360	245	22
W11-16×2000	16×2000	5.8	650	260	220		340	245	15
W11-16×2500	16×2500	5.5	750	280	240	no	360	245	22
W11-16×3200	16×3200	5	900	340	280		440	245	30
W11-20×2000	20×2000	5.5	750	280	240		360	245	22
W11-20×2500	20×2500	5	850	340	280		440	245	30
W11-25×2000	25×2000	5	850	340	280		440	245	30
W11-25×2500	25×2500	4.5	900	380	300		490	245	37
W11-30×2000	30×2000	4.5	900	380	300		490	245	37
W11-30×2500	30×2500	4.5	1100	440	360		580	245	37
W11-30×3000	30×3000	4.5	1200	480	400		600	245	45
W11-30×3200	30×3200	4.5	1200	500	400		600	245	45
W11-40×3000	40×3000	4.5	1500	500	420		650	245	55
W11-50×2500	50×2500	4	1500	560	340	280	610	245	55
W11-50×3000	50×3000	3.5	1500	610	360	280	650	245	55
W11-60×2500	60×2500	3.5	1600	590	360	280	650	245	55
W11-60×3000	60×3000	3.5	2000	680	380	280	700	245	75

ROLLING MACHINE WITH FOUR ROLLERS

W12

VERSATILITY HIGH PRECISION.

The plate rolling machine with mechanical drive. When take away workpieces, upper roller can be separated. Upon request, we can install kinds of side wheels to bend different types metal sheet.

W12 SPECIFICATION

Specification	Max thickness of coiled plate	Max width of coiled plate	Yielding limit of sheet metal	Coiling speed	Min full loading diameter of coiled plate	Diameter of top shaft	Diameter of bottom shaft	Central distance between bottom shafts	Motor power
	mm	mm	mm	m/min	mm	mm	mm	mm	Kw
6×1500	6	1500	245	5	380	160	140	220	4
6×3200	6	3200	245	4.5	380	220	180	280	7.5
8×2000	8	2000	245	4.5	400	185	170	260	5.5
8×2500	8	2500	245	4.5	550	220	180	280	7.5
12×2000	12	2000	245	4.5	550	240	180	280	7.5
12×2500	12	2500	245	4.5	600	260	220	320	11
12×3000	12	3000	245	4	700	280	240	360	11
16×2000	16	2000	245	4	600	260	220	320	11
16×2500	16	2500	245	4	700	280	240	360	11
16×3200	16	3200	245	4	850	340	260	430	18.5
20×2000	20	2000	245	4	700	280	240	360	11
20×2500	20	2500	245	4	850	340	260	430	15
25×2000	25	2000	245	4	850	330	270	430	15
25×2500	25	2500	245	4	900	370	270	480	22
30×2500	30	2500	245	4	1200	420	360	550	30
30×3000	30	3000	245	4	1200	450	390	600	37
40×2500	40	2500	245	4	1250	500	400	600	37
50×2500	50	2500	245	4	1250	540	440	630	37