



Add: Bowang Industrial Development Zone, Ma' anshan, Anhui

Tel: 0555-6760088 6760099 **Fax:** 0555-6760022

Website: www.ahsanxin.com

E-mail: info@ahsanxin.com



SANXIN

ANHUI SANXIN HEAVY INDUSTRY MACHINERY MANUFACTURING CO.,LTD

COMPANY PROFILE

安徽省三信重工机械制造有限公司是生产PSN系列液压板料（数控）折弯机、PSA PSB系列电液伺服数控折弯机、QC12Y/K系列液压摆式（数控）剪板机、QC11Y/K系列液压闸式剪板机、SJK、PGNK 数控V型开槽机的现代化企业，本公司在生产过程中，采取国际先进的管理模式，引进德国机械工艺技术，在产品质量上不断向更高层次迈进。

公司地址位于钢城马鞍山市博望经济特区，其中各类机械工程师占员工人数的20%以上，服务于公司研发、生产、销售各条线上，公司在全国各大中城市分布销售网点达30多个。

产品广泛应用于装潢、冶金、船舶、汽车、机械、航空等专业生产领域。本公司拥有强大的技术研发队伍，为满足客户对产品的特殊要求，本公司愿为您量身定制个性化产品。

本公司通过了ISO9001:2008国际质量体系认证。公司全体员工始终不忘“办一流企业、创一流品牌、树一流形象”的企业目标，坚持“产品国内领先、质量世界一流、工作精益求精、服务顾客满意”的企业发展方针，与海内外朋友携手共进，共创辉煌事业。

Global Leading supplier of Sheet Metal Machinery and Solutions

Anhui Sanxin Heavy Industry Machinery Manufacturing Co., Ltd. is a modern enterprise specializing in the R&D and manufacturing of sheet metal processing equipment. Our main product lines include:

- PSN Series Hydraulic (CNC) Press Brakes
- PSA PSB Series Electro-Hydraulic Servo CNC Press Brakes
- QC12Y/K Series Hydraulic Swing Beam (CNC) Shearing Machines
- QC11Y/K Series Hydraulic Guillotine Shearing Machines
- CNC V-Grooving Machines SJK, PGNK

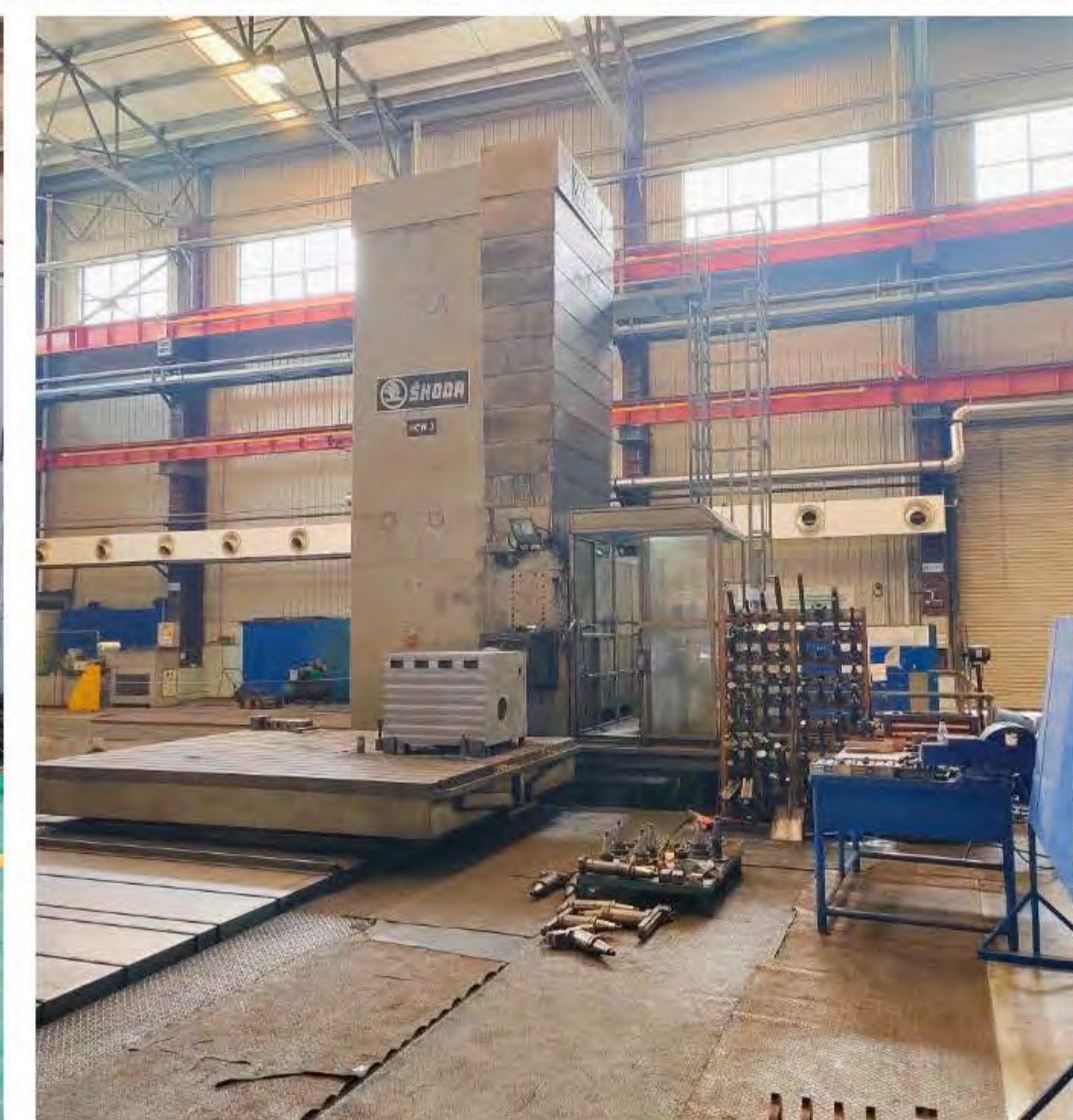
Located in the Bowang Economic Development Zone of Ma' anshan City—known as China's "Steel City"—our company has modern facilities and expansive workshops. Over 20% of our workforce are experienced engineers engaged in R&D, production, and customer support. We have established more than 30 sales and service centers across major cities in China.

Sanxin products are widely used in industries such as decoration, metallurgy, shipbuilding, automotive, machinery manufacturing, and aerospace. Our strong R&D capabilities allow us to deliver customized solutions tailored to specific customer requirements, enhancing both efficiency and product quality.

Certified under the ISO 9001:2008 international quality system, Sanxin upholds the principles of “domestic leadership in product innovation, world-class quality, excellence in execution, and customer satisfaction.” Guided by the vision of “building a first-class enterprise, creating a premier brand, and establishing an industry-leading image,” we strive to grow together with our partners around the world.

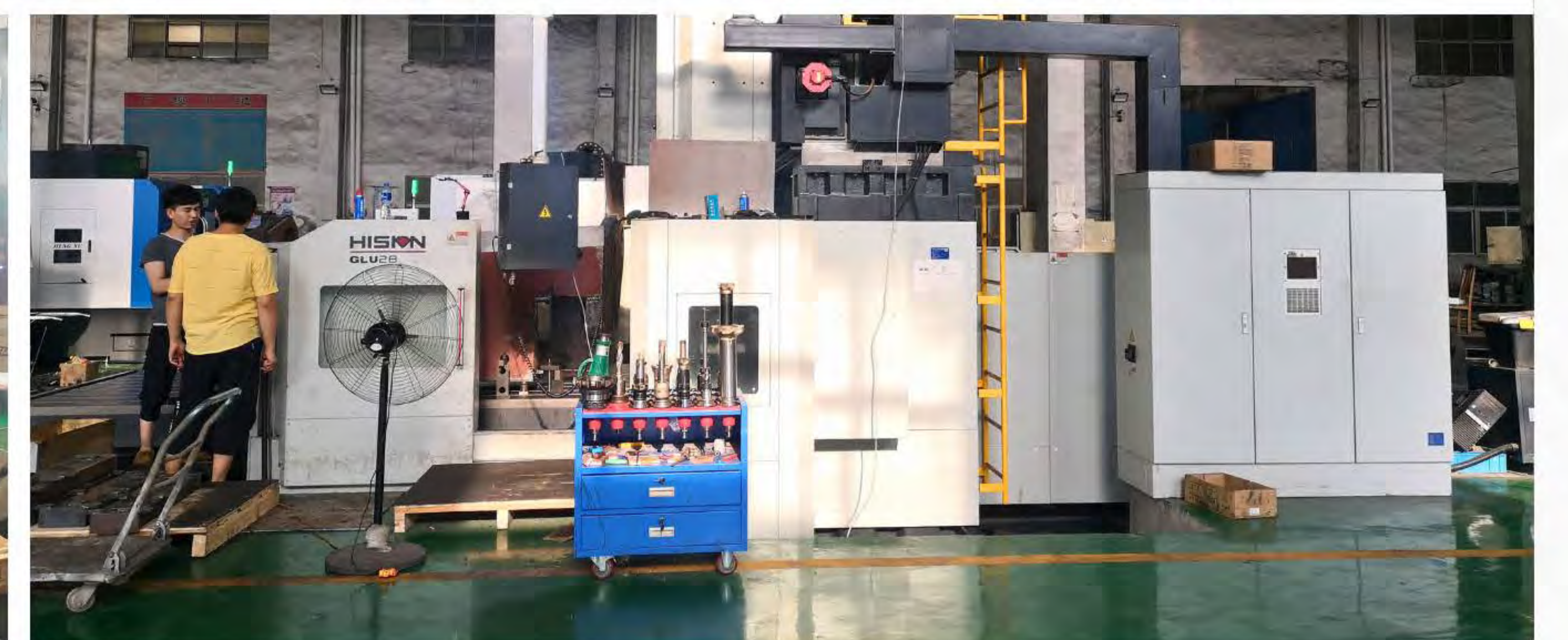
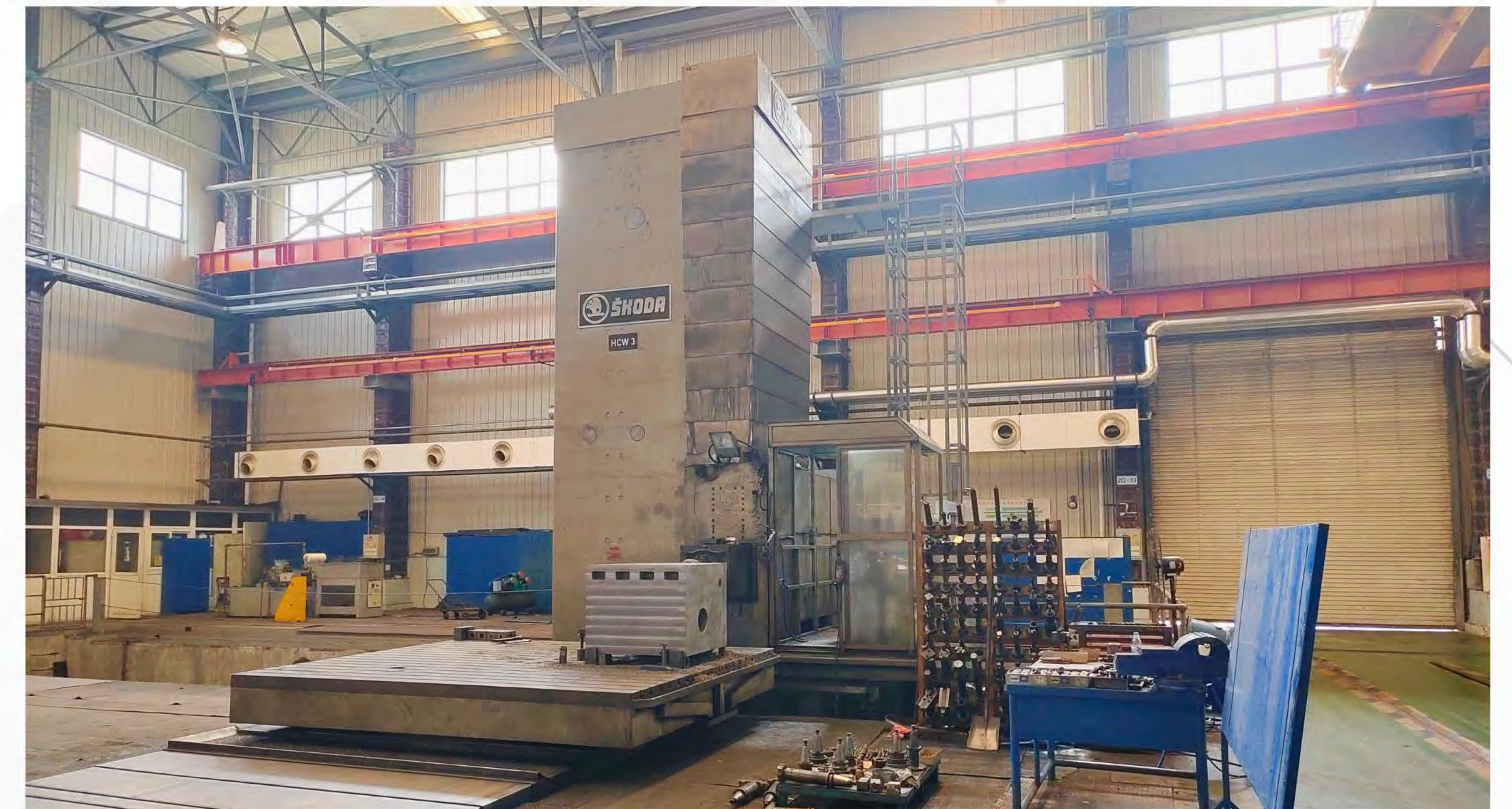


Production equipment



ENTERPRISE STRENGTH

To ensure product quality and enhance overall performance, our company is equipped with large-scale floor-type boring and milling machines. These advanced machines are capable of drilling, boring, reaming, surface machining, facing, and milling operations. The frames of our shearing machines and press brakes are all machined as a whole unit, ensuring high precision and concentricity that meet national accuracy standards.

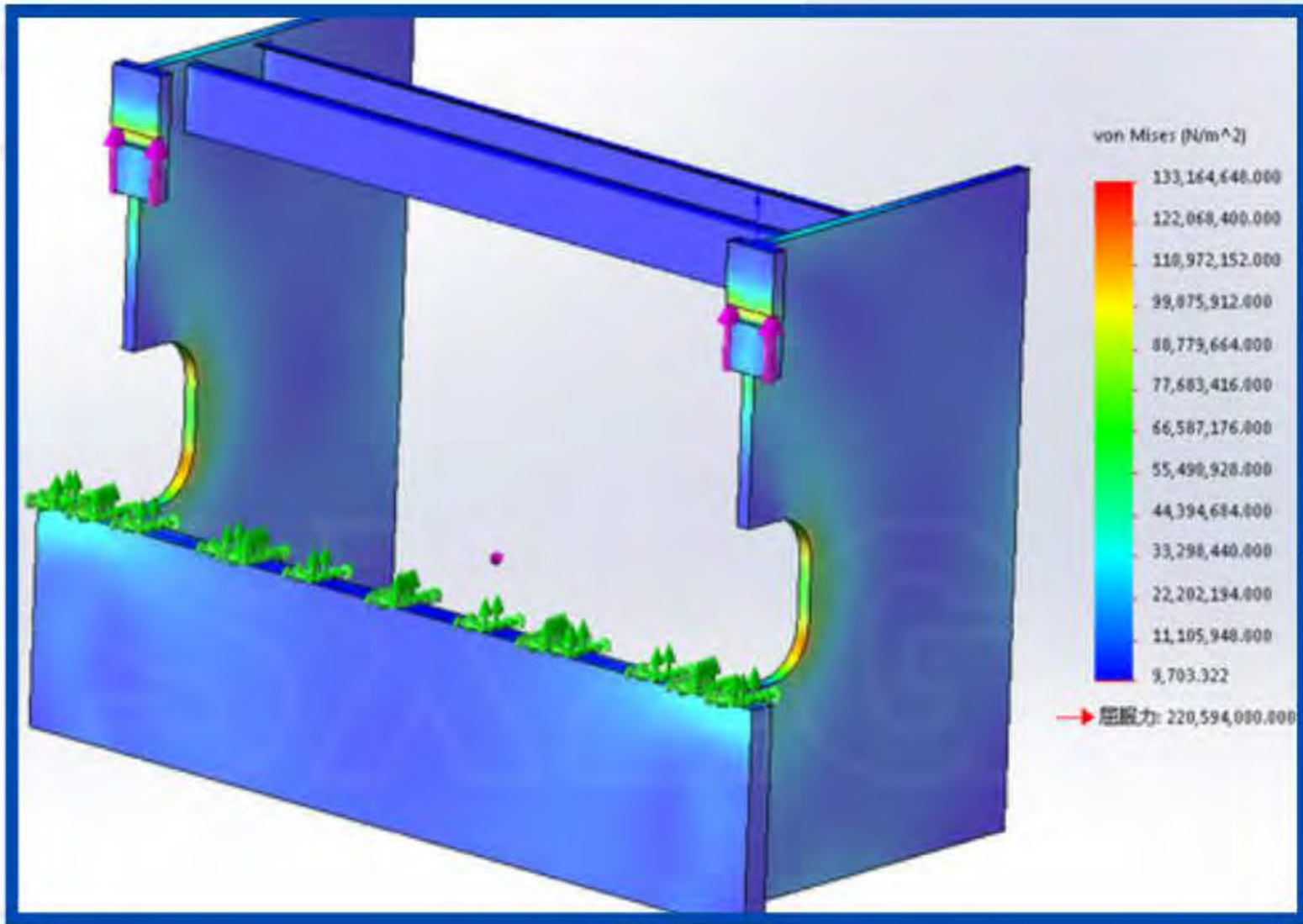


Sanxin Quality Management System

ENTERPRISE STRENGTH

01

Design Drawings



02

Cutting Machine
Blanking



03

Welding



04

Tempering Treatment



05

Slider Machining



06

Complete Machine
Machining



07

Parts Machining



08

Assembly



09

Secondary Finishing



10

Quality Inspection



11

120-Hour Pre-
Delivery Test Run



12

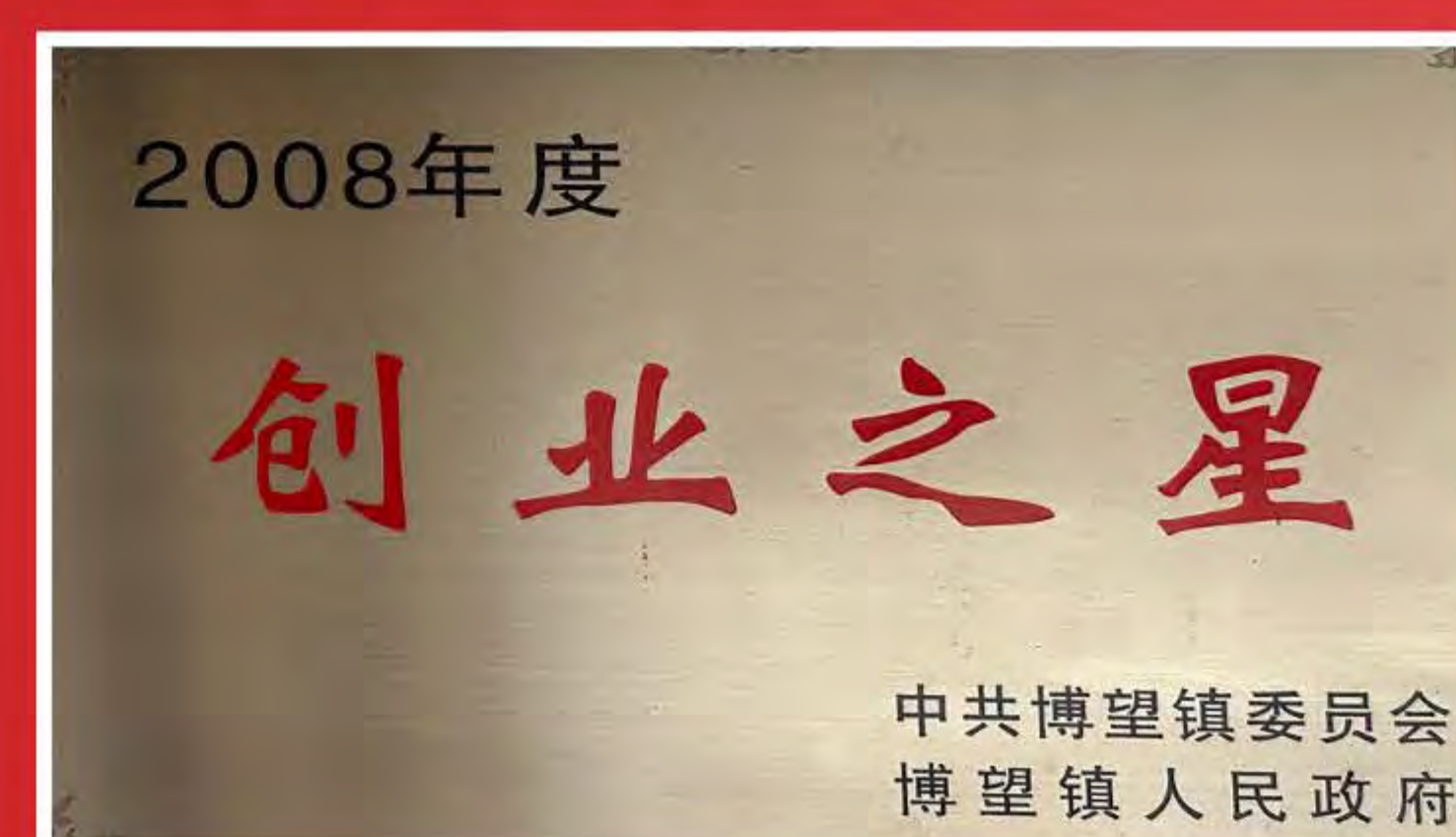
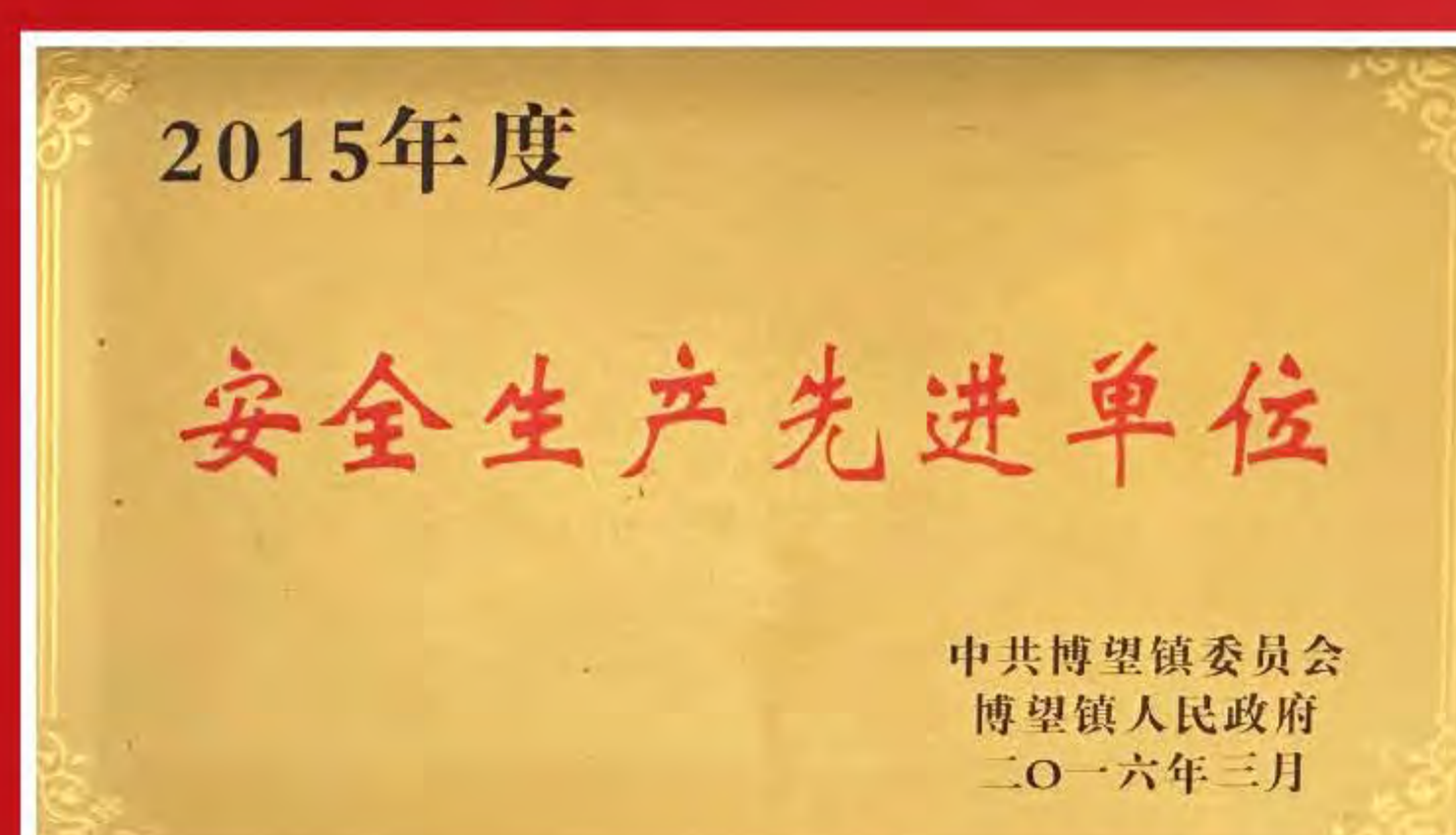
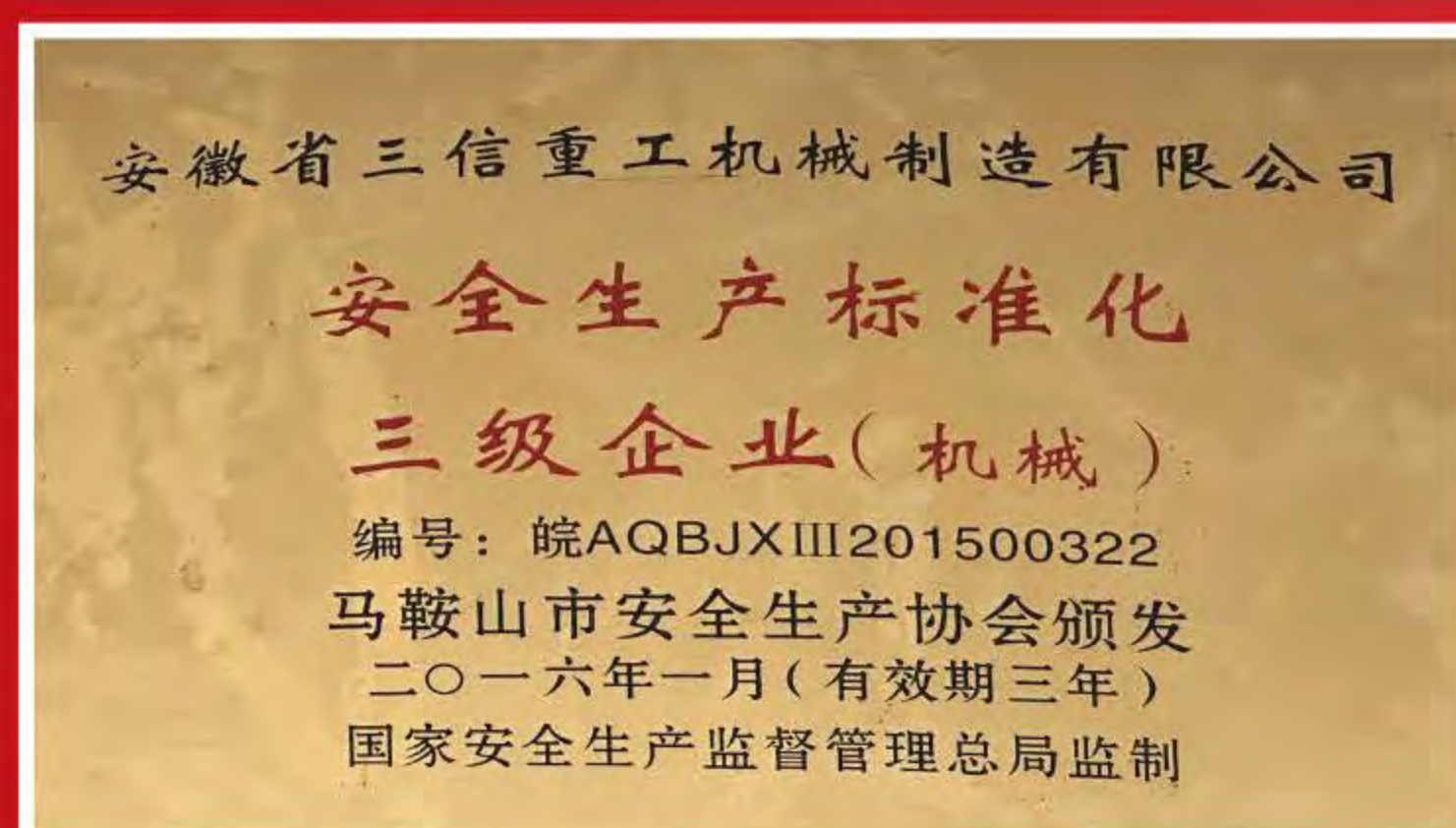
Shipping





Enterprise Honor

Good faith to win the honor quality
obtained market



SANXIN HEAVY INDUSTRY

Quality management is we soar on the wings," Sanxin" brand life source of power, the enterprise carries out the comprehensive quality management, the company adopted a comprehensive ISO9001:2008 international quality management system certification and qualify the EU CE certification.



PSA Series

Electro-hydraulic CNC Press Brake

- Streamlined design with high speed, high precision, and high rigidity;
- Electro-hydraulic servo synchronization technology ensures more accurate control of the ram positioning;
- Mechanical crowning system on the worktable and throat deformation compensation mechanism ensure bending accuracy;
- The backgauge is driven by a digital AC servo motor, with precision ball screw transmission and linear guide rail for smooth and accurate positioning.



PSB Series

Main Servo Electro-Hydraulic Synchronous CNC Press Brake

- The closed-loop control system composed of electro-hydraulic servo valves and linear encoders provides high slider position feedback accuracy, excellent synchronization performance, and high bending precision.
- The backgauge features a more advanced multi-axis system, offering greater functionality and flexibility.
- The hydraulic system adopts an integrated control system, reducing piping installation, eliminating oil leakage issues, and ensuring stable machine operation with a clean and aesthetically pleasing design.
- Automatic hydraulic deflection compensation with CNC-controlled automatic adjustment makes operation more convenient and accurate.



PSM Series

High-End Bi-Directional Pump-Controlled CNC Press Brake

- This machine features a premium configuration, making it more suitable for the needs of high-end customers both domestically and internationally.
- Dual servo pump-controlled synchronous technology delivers faster speed, higher efficiency, greater precision, and enhanced energy savings with environmental benefits.
- The high-rigidity overall machine design ensures minimal frame and ram deformation, resulting in higher product accuracy.
- An extended stroke and increased die installation height facilitate the bending of large workpieces.
- The high-performance backgauge system offers faster movement and greater positioning accuracy.



PSD Series

Dual-Machine Synchronized CNC Press Brake

- Two CNC press brakes can be linked through a synchronized control system to bend large workpieces.
- These CNC press brakes feature high speed, high precision, and high rigidity.
- Electro-hydraulic servo synchronization technology enables more precise control of ram positioning.
- Mechanical crowning of the worktable and a throat deformation compensation mechanism ensure bending accuracy.



PSS Series

All-Electric CNC Press Brake

- The entire machine is welded and undergoes stress-relief treatment. It is machined in a single setup using a gantry machining center, ensuring high strength, excellent rigidity, and superior precision.
- The electric cylinder adopts a heavy-duty precision ground ball screw, offering long service life and high accuracy.
- No hydraulic oil required — fully electric mechanical servo drive ensures high transmission efficiency, energy savings, and environmental friendliness.
- Optional with a variety of control systems, enabling 4- to 8-axis CNC control.



PSN Series

Torsion Bar Press Brake

- The entire machine features a welded steel plate structure, with internal stress eliminated through vibration aging treatment, ensuring high strength and excellent rigidity.
- Hydraulic upper transmission with dual oil cylinders, mechanical stop, and torsion bar synchronization delivers stable, reliable operation with high precision.
- The backgauge position and ram stroke are adjusted via servo motors with manual fine-tuning, and are equipped with a digital display system for convenient and efficient operation.
- The lower die is equipped with a deflection compensation device.
- 10-inch high-definition display screen.



QC11K Series

CNC Hydraulic Guillotine Shearing Machine

- Second-Generation Hydraulic Shearing Machine.
- Three-point support design for improved cutting quality.
- Manual handwheel blade clearance adjustment — fast and precise.
- Four-edge rectangular blades for longer lifespan.
- Adjustable shearing angle to reduce material distortion.
- Tilted upper blade holder for better accuracy and easy material release.
- Segmented cutting and shadow line alignment functions.



QC12K Series

CNC Hydraulic Swing Beam Shearing Machine

- Equipped with a dedicated CNC system for shearing machines.
- Real-time display of backgauge position.
- Multi-step programming enables automatic and continuous backgauge positioning.
- Shearing count with memory for position, programs, and parameters after power-off.
- High-precision ball screws and linear guide rails ensure greater accuracy.



CNC Vertical V-Grooving Machine Series

- Adopts a frame-type structure with excellent overall rigidity and minimal deformation.
- The beam remains stationary while the workpiece is fed forward by the rear feeding system.
- The worktable is made of carbon steel tooling with high-frequency surface quenching, ensuring a hardness greater than that of stainless steel.
- Front and rear support devices are equipped on the worktable to prevent scratching of the sheet during processing.



CNC Gantry-Type Slotting Machine Series

- Easy loading and unloading with air cooling for zero environmental impact. Four-axis CNC servo control enables fully automatic, high-precision operation.
- Imported hydraulic system delivers high pressure, low noise, and energy efficiency.
- Precision-ground gears and tempered helical rack guides ensure smooth, variable-speed cutting.



CNC Gantry-Type Four-Side V-Grooving Machine Series

- The tool holder rotates automatically with high positioning accuracy, enabling horizontal and vertical grooving without rotating the workpiece. Five-axis CNC with servo-driven movement ensures precision.
- Pneumatic clamping offers strong, reliable pressure with low noise, low energy use, and minimal pollution.
- Precision-ground gears, tempered helical racks, and heavy-duty roller guides ensure smooth, CNC-controlled cutting.

CONTENTS

PSA Electro-hydraulic CNC Press Brake	01
PSB Main Servo Electro-Hydraulic Synchronous CNC Press Brake	03
PSM High-End Bi-Directional Pump-Controlled CNC Press Brake	05
PSD Dual-Machine Synchronized CNC Press Brake	11
PSN Torsion Bar Press Brake	13
Electro-Hydraulic CNC Press Brake Series Technical Specifications	15
Twist Shaft CNC Press Brake Series Technical Specifications	17
PSS All-Electric CNC Press Brake	19
QC11K CNC Hydraulic Guillotine Shearing Machine	21
QC12K CNC Hydraulic Swing Beam Shearing Machine	23
QC11K Series Technical Specifications	27
QC12K Series Technical Specifications	28
CNC Vertical V-Grooving Machine	29
CNC Gantry-Type Slotting Machine Series	31
CNC Gantry-Type Four-Side V-Grooving Machine Series	33

PSA ELECTRO HYDRAULIC SYNCHRONOUS CNC PRESS BRAKE

Performance and Features

- Streamlined design with high-speed, high-precision, and high-rigidity CNC press brake;
- Electro-hydraulic servo synchronization technology ensures precise control of the ram position;
- Mechanical deflection compensation of the worktable and throat deformation compensation mechanism guarantee bending accuracy;
- Backgauge is driven by a digital AC servo motor, featuring precision ball screw transmission and linear guide rail guidance.



PSB Main Servo Electro-Hydraulic Synchronous CNC Press Brake

Performance and Features

- Integrated welded and machined structure;
- Closed-loop control system composed of electro-hydraulic servo valves and linear scales ensures high-precision ram position feedback, accurate and stable operation, excellent synchronization, and high bending and repeat positioning accuracy;
- Backgauge system can be configured with multiple functional axes according to customer requirements for greater versatility;
- Hydraulic system uses an integrated control system, reducing piping installation, eliminating oil leakage, and ensuring stable machine performance with a clean and streamlined appearance;
- Automatic hydraulic crowning system eliminates the impact of ram deformation on workpiece quality, with the CNC system automatically adjusting the compensation value for convenience and precision;
- CNC control system options include DELEM (Netherlands), ESA (Italy), or CYBELEC (Switzerland) electro-hydraulic servo press brake control systems.



PSM Pump-Controlled Electro-Hydraulic Synchronous CNC Press Brake

Performance and Features

- Streamlined design with a high-speed, high-precision, and high-rigidity CNC press brake;
- Electro-hydraulic servo synchronization technology enables more precise ram control;
- Mechanical crowning and throat deformation compensation ensure bending accuracy;
- Backgauge driven by a digital AC servo motor, with precision ball screw transmission and linear guide rail for smooth and accurate positioning.





Proportional Valve Hydraulic Follow-up Control Technology

Adopting hydraulic following control technology to ensure synchronous accuracy during high-speed operation of Y1 and Y2 axes, achieving high bending processing efficiency.



Electrical Control System

We use internationally renowned brands of electrical components, including Omron and Schneider Electric, which comply with DIN and ISO standards, ensuring stable quality, safety, and reliability.



Well-known Brand Standard Motor

Standard brand “Wannan” motor, durable and powerful; Optional options include “Siemens” Beide motors and “ABB” motors.



Imported Grating ruler

The grating ruler can measure the exact distance between the slider and the workbench. The grating ruler is connected to the workbench, and the deformation of the column will not affect position detection. The data is immediately fed back to the CNC system, and the servo valve control signal can be calculated and output. Necessary correction can be made to ensure that the workbench and slider are always in a balanced state.



Main Servo Motor and Stainless Steel Oil Tank (Optional)

Supply oil as needed, reduce overflow, and save energy by about 30-40%;
The oil temperature is not easy to rise, extending the service life of hydraulic systems and components;
Reduce oil leakage, valve sticking, and insufficient pressure caused by aging hydraulic components;
Compared to ordinary main motors, it has low noise and less harm to the human body.



Laser protection Protection (Optional)

Advanced Laser protection protection device improves the safety performance of the machine and automatically protects the safety of operators.



DA-53T X / DELEM (Netherlands)

- Numerical touch screen programming
- 15" high resolution color TFT
- Crowning control
- Servo and frequency inverter control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.
- USB, peripheral interfacing
- Profile-T offline software



DA-53T / DELEM (Netherlands)

- 10.1 " high resolution true color TFT display
- up to 4 axis control(Y1,Y2+2 auxiliary axes)
- deflection compensation control · with mold/ material/Product Library
- Support servo or frequency conversion control
- advanced Y-axis control algorithm can control both closed-loop
- network dual computer linkage(optional)
- USB peripheral interface. Profile-53tl offline programming software



CybTouch 8/ CYBELEC

- Large screen, high-definition and contrast touch screen system.
- Convenient interface, clear display and large icon buttons.
- The EasyBend page is very convenient for single step bending.
- Perfect programming can improve efficiency in batch multi-step bending.
- The online help and pop-up prompts make the software interface very user-friendly.
- Supports multiple languages.
- Using a PC or laptop, data can be upgraded and transmitted through wireless software.



DA-58T X / DELEM (Netherlands)

- 2D graphical touch screen programming
- 18,5" high resolution color TFT
- Bend sequence calculation
- Crowning control
- Servo and frequency inverter control
- Advanced Y-axis control algorithms for closed-loop as well as open-loop valves.
- USB, peripheral interfacing
- Profile-T offline software



DA-58T / DELEM (Netherlands)

- 2D touch graphic programming
- 15"high resolution TFT true color display
- calculation of bending process
- Disturbance compensation control
- Servo and frequency converter control mode
- The advanced Y axis control algorithm can control the closed loop valve or the open loop valve.
- USB interface. Profile-58TL off-line programming software



CybTouch 12/ CYBELEC

- Large, high-contrast touch screen with vivid colors
- Clear interface with big, intuitive icons
- User-friendly HMI for easy operation
- Efficient multi-step batch bending via advanced programming
- Convenient single-step bending
- On-screen help and pop-up tips for guidance
- Wireless software updates and data transfer via PC/laptop
- USB port for data backup and transfer
- Multi-language support



DA-66S / DELEM (Netherlands)

- 2D graphical touch screen programming mode
- 3D machine representation, in simulation and production
- 24" high resolution color TFT
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- User specific application support within the control's multitasking environment
- Sensor bending & correction interface
- Profile-S2D offline software



DA-66T / DELEM (Netherlands)

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



CybTouch 15 PS/ CYBELEC

- 15" modern glass touch screen, glove-friendly
- Intuitive programming and easy setup with user-friendly HMI
- Smart wizards for automatic adjustments
- Precise 2D profile view and program creation
- Auto calculation of bending sequences
- Simple single-bend operation page
- Large storage capacity
- Built-in backup and recovery
- Wireless diagnostics and updates via laptop



DA-69S / DELEM (Netherlands)

- 3D and 2D graphical touch screen programming mode
- 3D visualization, including 3D machine representation, in simulation and production
- 24" high resolution color TFT
- Delem Modusys compatibility (module scalability and adaptivity)
- USB, peripheral interfacing
- User specific application support within the control's multitasking environment
- Sensor bending & correction interface
- Profile-S3D offline software



DA-69T / DELEM (Netherlands)

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



CybTouch VP88/ CYBELEC

- 19" streamlined touch screen, operable with gloves
- Graphical HMI similar to CT series, easy to learn and use
- 2D finger-draw programming and 3D bending simulation (requires 3D offline software)
- Automatic bending sequence calculation
- Configurable front feeding and backgauge axes
- Advanced algorithms for higher bending accuracy
- Dual-machine linkage and tooling input support
- Product group management for complex parts
- Step-by-step bending and bottoming functions
- Runs on Windows 10 for multitasking and network connectivity
- Supports angle measurement, barcode reading, and customized Industry 4.0 software

PSD Dual-Machine Synchronized CNC Press Brake



type	Nominal force (KN)	Worktable length (mm)	Poles distance (mm)	Throat depth (mm)	Ram Strokes (mm)	Max open (mm)	Power (Kw)
110/3200	2×1100	2×3200	2700	450	200	480	2×7.5
110/4000	2×1100	2×4000	3500	450	200	480	2×7.5
170/4000	2×1700	2×4000	3500	400	200	480	2×11
220/4000	2×2200	2×4000	3500	400	200	480	2×15
250/3200	2×2500	2×3200	2700	400	250	530	2×18.5
250/4000	2×2500	2×4000	3500	400	250	530	2×18.5
250/5000	2×2500	2×5000	4000	400	250	530	2×18.5
250/6000	2×2500	2×6000	5000	400	250	560	2×18.5
320/5000	2×3200	2×5000	3900	400	250	560	2×22
320/6000	2×3200	2×6000	4900	400	250	560	2×22
400/7000	2×4000	2×7000	5800	450	300	630	2×30
500/6000	2×5000	2×6000	4900	450	300	650	2×37

Performance and Features

- The whole machine has a welded steel plate structure, which adopts vibration aging to eliminate internal stress, and the machine has high strength and good rigidity;
- Hydraulic dual oil cylinder upper transmission, mechanical stop, synchronous torsion shaft, stable and reliable operation, high accuracy;
- The distance between the rear stopper and the stroke of the slider can be accurately controlled through the CNC system, making it convenient and fast to use;
- Equipped with deflection compensation device (optional).





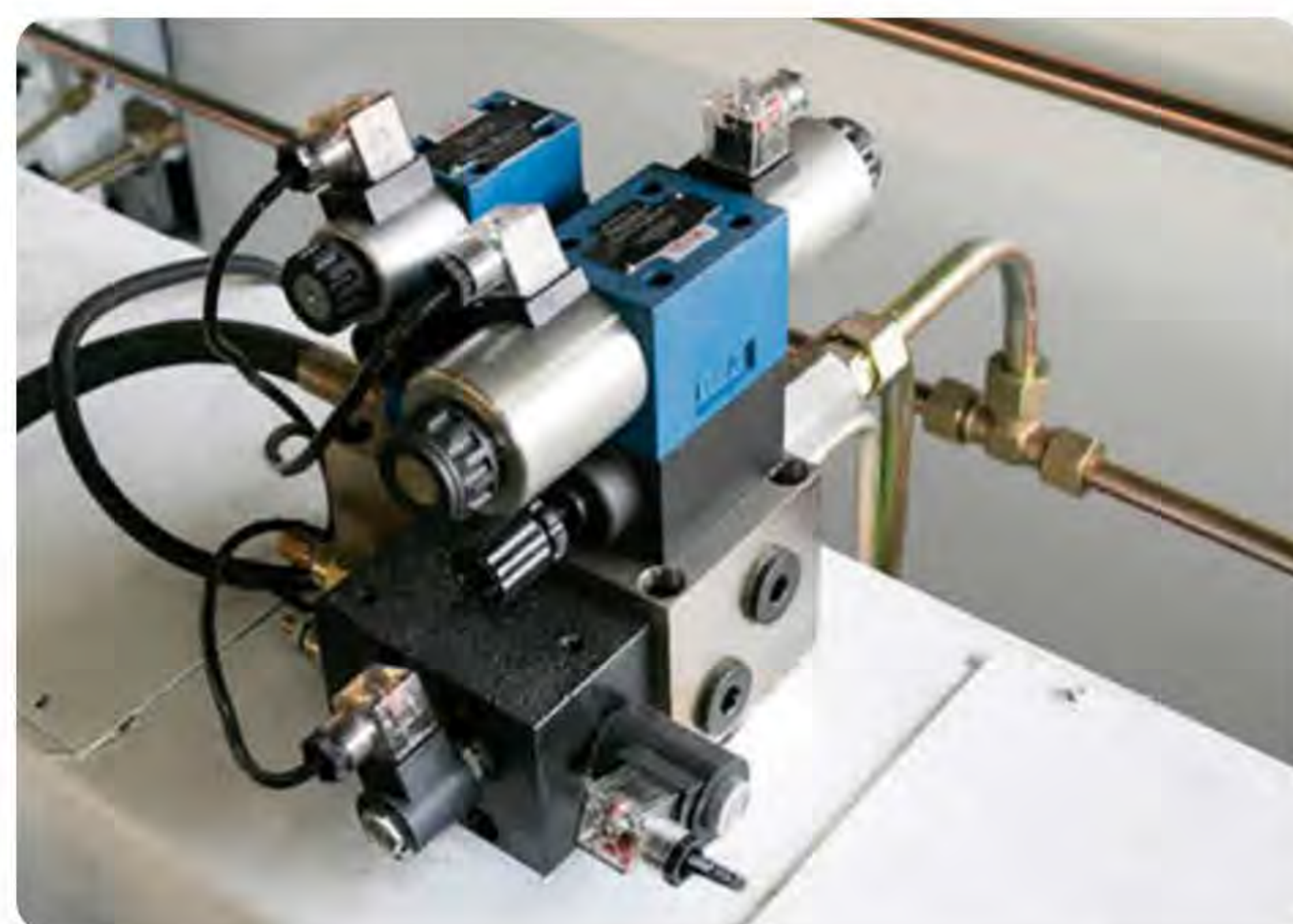
Servo Motor-Driven Hydraulic Cylinder

The hydraulic oil of the oil cylinder is controlled by a servo motor to control the synchronous belt, thereby accurately controlling the oil cylinder, making the bending accuracy more precise and the bending pressure more controllable.



Mechanical Torsion Bar Structure

The mechanical torsion shaft structure can achieve torque balance, and the slider runs smoothly and reliably up and down, achieving high efficiency and high-precision torque synchronization.



Hydraulic System

Using an integrated hydraulic control system, the system reduces the number of pipeline connections, making its performance more reliable and easy to maintain (optional with Rexroth).



TP10S CNC System

- 10 inch TFT 256K color touch screen
- The standard Y, X1 axis servo motor
- Support angle programming, system automatically calculate depth
- Slider (Y axis) position control
- Position control of rear stopper (X1 axis)
- 220 programs, each program 24 steps
- Soft limit function, Power off memory
- Matching support X2, R1, R2, Z1, Z2
- Matching support for the degree of compensation



E310P CNC System

- Automatically calculates backgauge positions based on bending angle, material, sheet thickness, and tooling parameters
- Servo-controlled X and R axes for high-precision backgauge positioning
- Supports both angle programming and position programming
- One-page programming interface for quick and efficient operation
- Pressure holding time and decompression delay can be directly controlled by the system—no external time relay required
- Prevents tool interference and collision
- Return stroke adjustment function enhances machine efficiency
- Automatic R-axis zero position calibration
- Supports multiple operating modes: jog, single, and continuous
- Freely assignable I/O ports with self-diagnostic function
- Single and dual-direction positioning functions
- Power-off memory function for parameters, positions, and programs
- Retract function to avoid material interference
- Manual axis movement supported

Technical Parameters

Technical Specifications of CNC Press Brake Series

Technical Specifications of Torsion Bar Press Brake Series

Type	63T/2500	80T/3200	110T/3200	110T4000	130T/3200	130T/4000	170T/3200
Bending Force	630KN	800KN	1100KN	1100KN	1300KN	1300KN	1700KN
Bending Length	2500mm	3200mm	3200mm	4000mm	3200mm	4000mm	3200mm
Pole Distance	2100mm	2700mm	2700mm	3500mm	2700mm	3500mm	2700mm
Throat Depth	350mm	350mm	500mm	500mm	500mm	500mm	450mm
Slider Travel	150mm	150mm	200mm	200mm	200mm	200mm	200mm
Worktable Height	780mm	780mm	780mm	780mm	780mm	780mm	850mm
Daylight	420mm	420mm	480mm	480mm	480mm	480mm	480mm
Motor Power	5.5kw	7.5kw	11kw	11Kw	11kw	11kw	15kw
Backgauge Travel	600mm	600mm	600mm	600mm	600mm	600mm	600mm
Speed	200mm/s	200mm/s	200m/s	200m/s	200m/s	200mm/s	200m/s
Dimension L*W*H mm	3200*1600*2500	3500*1600*2500	3500*1700*2700	4300*1700*2700	3500*1700*2700	4300*1700*2700	3700*1800*2800

Type	170T/4000	220T/3200	220T/4000	250T/3200	250T/4000	320T/3200	320T/4000
Bending Force	1700KN	2200KN	2200KN	2500KN	2500KN	3200KN	3200KN
Bending Length	4000mm	3200mm	4000mm	3200mm	4000mm	3200mm	4000mm
Pole Distance	3500mm	2700mm	3500mm	2700mm	3500mm	2700mm	3500mm
Throat Depth	400mm	360mm	400mm	360mm	400mm	400mm	400mm
Slider Travel	200mm	200mm	200mm	250mm	250mm	250mm	250mm
Worktable Height	840mm	900mm	900mm	840mm	900mm	950mm	950mm
Daylight	480mm	480mm	480mm	480mm	550mm	560mm	560mm
Motor Power	15kw	18.5kw	18.5kw	18.5kw	22kw	22kw	22kw
Backgauge Travel	600mm	600mm	600mm	600mm	600mm	600mm	600mm
Speed	200mm/s	200mm/s	200m/s	200m/s	200m/s	200mm/s	200m/s
Dimension L*W*H mm	4500*2200*3600	3700*1900*3000	4500*1900*3000	3800*1900*3100	4500*1900*3100	3800*2000*3200	4500*2000*3200

Type	400T/4000	500T/5000	500T/6000	500T/7000	600T/5000	600T/6000	600T/7000
Bending Force	4000KN	5000KN	5000KN	5000KN	6000KN	6000KN	6000KN
Bending Length	4000mm	5000mm	6000mm	7000mm	5000mm	6000mm	7000mm
Pole Distance	3500mm	3900mm	4900mm	5900mm	3900mm	4900mm	5900mm
Throat Depth	400mm	500mm	500mm	500mm	500mm	500mm	500mm
Slider Travel	250mm	250mm	250mm	250mm	300mm	300mm	300mm
Worktable Height	1000mm	1000mm	Sink 800mm	Sink 800mm	Sink 800mm	Sink 1000mm	1000mm
Daylight	560mm	600mm	600mm	600mm	600mm	600mm	600mm
Motor Power	30kw	37kw	37kw	37kw	45kw	45kw	45kw
Backgauge Travel	600mm	600mm	600mm	600mm	600mm	600mm	600mm
Speed	200mm/s	200mm/s	200m/s	200m/s	200m/s	200mm/s	200m/s
Dimension L*W*H mm	4300*2200*3600	5300*2300*3600	6300*2300*3700	7500*2500*3700	5500*2700*3800	6500*2700*3800	7500*2800*3900

The above data is just for reference, if there is any disaccord please refer to actual data, All rights reserved to our company.

Technical Parameters

Type	Nominal Force	Worktable Length	Pole Distance	Throat Depth	Ram Strokes	Max Open	Motor Power	Dimension （L*W*H）
Unit	KN	mm	mm	mm	mm	mm	kw	mm
30T/1600	300	1600	1340	180	80	250	3	1800×1050×1700
40T/1600	400	1600	1330	220	120	320	5.5	1800×1340×2000
40T/2200	400	2200	1800	220	120	320	5.5	2400×1340×2000
40T/2500	400	2500	2000	220	120	320	5.5	2700×1340×2000
63T/2500	630	2500	2000	300	120	370	5.5	2700×1380×2250
63T/3200	630	3200	2500	300	120	370	5.5	3400×1380×2250
80T/2500	800	2500	2000	300	120	370	7.5	2700×1450×2250
80T3200	800	3200	2500	300	120	370	7.5	3400×1450×2250
80T4000	800	4000	3100	300	120	370	7.5	4200×1450×2250
110T/2500	1100	2500	2000	400	160	410	7.5	2700×1500×2420
110T3200	1100	3200	2500	400	160	410	7.5	3400×1500×2420
110T4000	1100	4000	3060	400	160	410	7.5	4200×1500×2420
110T5000	1100	5000	4000	400	160	410	7.5	5200×1600×2500
130T/2500	1300	2500	2000	400	160	410	7.5	2700×1550×2450
130T3200	1300	3200	2500	400	160	410	7.5	3400×1550×2450
130T/4000	1300	4000	3055	400	160	410	7.5	4200×1550×2450
130T/5000	1300	5000	4000	400	160	410	11	5200×1650×2550
130T/6000	1300	6000	5000	400	160	410	11	6200×1650×2550
170T/3200	1700	3200	2500	400	200	460	11	3400×1700×2520
170T/4000	1700	4000	3100	400	200	460	11	4300×1700×2520
170T/5000	1700	5000	4000	400	200	460	11	5200×1800×2800
170T/6000	1700	6000	5000	400	200	460	11	6200×1800×2900
220T/3200	2200	3200	2500	400	200	470	15	3400×1800×2550
220T/4000	2200	4000	3100	400	200	470	15	4200×1800×2550
220T/5000	2200	5000	4000	400	200	470	15	5200×1900×2900
220T/6000	2200	6000	4600	400	200	470	15	6200×1900×3100
250T/3200	2500	3200	2500	400	250	500	18.5	3400×1950×2800
250T/4000	2500	4000	3100	400	250	500	18.5	4200×1950×2800
250T/5000	2500	5000	4000	400	250	500	18.5	5200×2000×3000
250T/6000	2500	6000	4600	400	250	500	18.5	6200×2000×3150
320T/3200	3200	3200	2500	400	250	530	22	3400×2000×3200
320T/4000	3200	4000	3100	400	250	530	22	4200×2000×3200
320T/5000	3200	5000	4000	400	250	530	22	5200×2000×3200
320T/6000	3200	6000	4500	400	250	530	22	6200×2300×3400
400T/4000	4000	4000	3100	400	300	560	30	4200×2500×3400
400T/5000	5000	5000	4000	400	300	560	30	5200×2500×3500
400T/6000	6000	6000	5000	400	300	560	30	6200×2500×3600
500T/4000	4000	4000	3100	400	320	600	37	4200×2700×3700
500T5000	5000	5000	4000	400	320	600	37	5200×2700×3800
500T/6000	6000	6000	4500	400	320	600	37	6200×2700×4000
600T/4000	4000	4000	3100	400	320	600	45	4200×2900×4300
600T/5000	5000	5000	4000	400	320	600	45	5200×3000×4700
600T/6000	6000	6000	4500	400	320	600	45	6200×3000×5000

The above data is just for reference, if there is any disaccord please refer to actual data, All rights reserved to our company.

PSS All-Electric CNC Press Brake

Performance and Features

- The whole machine is welded for stress relief treatment, and the gantry machining center is clamped and processed in one go, with high strength, good rigidity, and high accuracy.
- The electric cylinder adopts heavy-duty grinding ball screw, which has a long service life and high accuracy.
- No hydraulic oil required, fully electric mechanical servo drive, high transmission efficiency, energy-saving and environmentally friendly.
- Multiple control systems can be selected to achieve 4-8 axis CNC control.



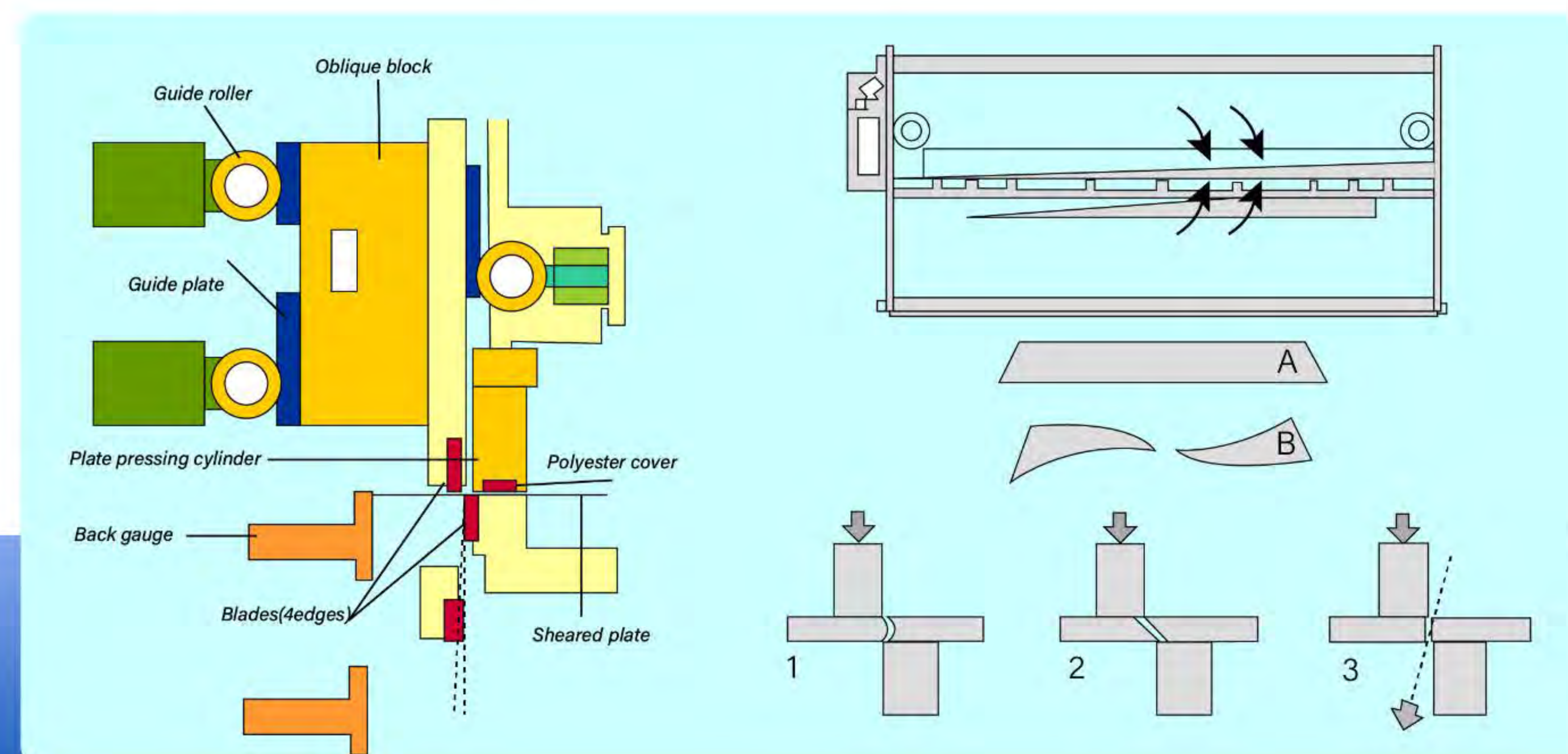
QC11K CNC Hydraulic Guillotine Shearing Machine

Performance and Features

- The second generation hydraulic shearing machine;
- Adopting a steel plate welding structure, stress is eliminated through vibration aging, which has good rigidity and stability;
- Adopting a three-point support rolling guide rail to eliminate support gaps and improve shear quality;
- The blade gap is adjusted with a handwheel, which is fast, accurate, and convenient;
- Rectangular blade, all four blades can be used, with a long service life;
- Adjustable shear angle to reduce sheet metal distortion and deformation;
- The upper tool holder adopts an inward tilt structure, which is convenient for material cutting and improves the accuracy of the workpiece;
- Equipped with segmented cutting function and light alignment function;
- Motorized rear bumper, digital display;
- Rear support device(optional configuration).

Three Trolley and Rail Structure

The three roller guide structure is adopted, and the front preloading guide rail makes the tool holder stick to the upper guide rail and the lower guide rail to move repeatedly without gap. In order to obtain better cutting quality, the blade gap can be adjusted according to the needs of different plates.



QC12K CNC Hydraulic Swing Beam Shearing Machine

Performance and Features

- Equipped with a dedicated CNC system for shearing machine mainframe assembly
- Real-time display of backgauge position
- Multi-step programming function: the backgauge operates automatically with continuous positioning to achieve automatic adjustment of its position
- Shearing count function: displays the number of cuts in real time; retains backgauge position, programs, and parameters even after power-off
- Equipped with imported ball screws and linear guide rails to ensure positioning accuracy and higher machining precision





Hydraulic System of the Shearing Machine

Equipped with branded valve assemblies, featuring high pressure, strong sealing performance, low noise, and low energy consumption. The system responds sensitively to control signals, ensuring long-term durability, leak-free operation, and enhanced machine stability and reliability.



E21S CNC system (standard configuration)

- Rear blocking control
- control ordinary motors or frequency converters
- Intelligent positioning
- Dual programmable digital output, workpiece counting
- 40 program storage
- 25 step per program
- Unilateral positioning and concession function
- One click parameter backup and recovery
- Metric and English, Chinese/English



Gear Pump

The gear pump effectively reduces the noise during machine operation and operates more smoothly



E200PS CNC system (standard configuration)

- 7-inch TFT true color touch screen, high resolution, and high contrast
- Menu-driven programming interface with large icon buttons
- Supports programmable shearing functions, making batch complex cutting simple, convenient, and efficient for different sheet materials
- Quick single-step shearing function with automatic calculation of cutting length
- Automatic back gauge correction
- Back gauge driven by servo control for fast and accurate positioning, with automatic stop function
- Automatic blade clearance calculation and automatic shearing angle adjustment
- Supports multiple languages and automatic shearing



Rear stopper for linear guide rail

The rear stopper is controlled by a ball screw and a linear guide rail, resulting in more precise cutting dimensions, low noise, and fast speed.



ES10 CNC system (standard configuration)

- 7-inch TFT true color touch screen, high resolution, and high contrast
- Menu style programming interface, large icon button design
- Support programmable cutting function, making batch complex cutting simple, convenient, and efficient according to different sheet materials
- Quick single step cutting function, automatically calculating the cutting length
- Automatic correction of rear material
- The rear material adopts servo control, with fast and accurate automatic stop function for the rear material
- Automatically calculate blade clearance and shear angle
- Supports multiple languages and automatic cutting

QC11K Series Technical Parameters

Type	Cutting thickness	Cutting length	Cutting angel	Throat depth	Back-GaugeRange	Travel times	Power	Dimension (L*w*h(mm))
	mm	mm	°	mm	mm	cycle/min	kw	mm
6×2500	6	2500	0.5-1.5	100	10-600	14	7.5	3100×1700×1950
6×3200	6	3200	0.5-1.5	100	10-600	12	7.5	3800×1700×1950
6×4000	6	4000	0.5-1.5	100	10-600	10	7.5	4600×1700×1950
6×5000	6	5000	0.5-1.5	100	10-600	8	11	5700×1850×2150
6×6000	6	6000	0.5-2	100	10-600	6	11	6700×1900×2350
8×2500	8	2500	0.5-2	100	10-600	14	7.5	3100×1800×2050
8×3200	8	3200	0.5-2	100	10-600	12	7.5	3800×1800×2050
8×4000	8	4000	0.5-2	100	10-600	10	11	4600×1800×2050
8×5000	8	5000	0.5-2	100	10-600	7	11	5700×1900×2250
8×6000	8	6000	0.5-2	120	10-600	6	11	6700×1900×2250
10×2500	10	2500	0.5-2	120	10-800	10	15	3100×1850×2100
10×3200	10	3200	0.5-2	120	10-800	8	11	3800×1850×2100
10×4000	10	4000	0.5-2	120	10-800	6	15	4600×1850×2100
10×5000	10	5000	0.5-2	120	10-800	5	18.5	5700×2000×2500
10×6000	10	6000	0.5-2	120	10-800	4	18.5	6700×2000×2600
12×2500	12	2500	0.5-2.5	120	10-800	10	15	3100×2000×2200
12×3200	12	3200	0.5-2.5	120	10-800	8	18.5	3800×2000×2200
12×4000	12	4000	0.5-2.5	120	10-800	6	18.5	4600×2000×2250
12×5000	12	5000	0.5-2.5	120	10-800	5	22	5700×2100×2700
12×6000	12	6000	0.5-2.5	120	10-800	4	22	6700×2100×3000
16×2500	16	2500	0.5-2.5	120	15-800	8	18.5	3100×2100×2300
16×3200	16	3200	0.5-2.5	120	15-800	7	18.5	3800×2100×2400
16×4000	16	4000	0.5-2.5	120	15-800	6	22	4600×2100×2500
16×5000	16	5000	0.5-2.5	120	15-800	5	30	5700×2150×2700
16×6000	16	6000	0.5-2.5	120	15-800	4	37	6700×2150×2900
20×2500	20	2500	0.5-3	120	15-800	6	22	3100×2050×2400
20×3200	20	3200	0.5-3	120	15-800	5	22	3800×2150×2400
20×4000	20	4000	0.5-3	120	15-800	4	30	4600×2200×2800
20×5000	20	5000	0.5-3	120	15-800	4	37	5700×2300×2900
20×6000	20	6000	0.5-3	120	15-800	3	37	6700×2300×2900
25×2500	25	2500	0.5-3	120	20-800	5	37	3500×2250×2550
25×3200	25	3200	0.5-3	120	20-800	5	37	4000×2250×2550
25×4000	25	4000	0.5-3.5	120	20-800	3	37	4900×2300×3000
25×5000	25	5000	0.5-3.5	120	20-800	3	45	6100×2500×3100
25×6000	25	6000	0.5-3.5	120	20-800	3	45	7200×2600×3300
30×2500	30	2500	0.5-3.5	120	20-800	4	30	3400×2500×3000
30×3200	30	3200	0.5-3.5	120	20-800	3	37	4000×2600×3200
30×4000	30	4000	0.5-3.5	120	20-900	3	45	4600×2600×3400

The above data is just for reference, if there is any disaccord please refer to actual data, All rights reserved to our company.

QC12K Series Technical Parameters

Type	Cutting thickness	Cutting length	Cutting angel	throat depth	Back-GaugeRange	Travel times	Power	Dimension (L*w*h(mm))
	mm	mm	°	mm	mm	cycle/min	kw	mm
4×2500	4	2500	1.5	100	20-600	18	5.5	3200×1600×1600
4×3200	4	3200	1.5	100	20-600	19	5.5	3900×1600×1600
4×4000	4	4000	1.5	100	20-600	14	7.5	4700×1600×1600
4×5000	4	5000	1.5	100	20-600	12	11	5800×1750×1850
4×6000	4	6000	1.5	100	20-600	8	11	6800×1750×1850
6×2500	6	2500	1.5	100	20-600	17	7.5	3200×1650×1800
6×3200	6	3200	1.5	100	20-600	15	7.5	3900×1650×1800
6×4000	6	4000	1.5	100	20-600	12	7.5	4700×1650×1800
6×5000	6	5000	1.5	100	20-600	10	11	5800×1800×1950
6×6000	6	6000	2	100	20-600	8	11	6800×1800×1950
8×2500	8	2500	2	100	20-600	16	7.5	3200×1700×1850
8×3200	8	3200	2	100	20-600	14	7.5	3900×1700×1850
8×4000	8	4000	2	100	20-600	11	7.5	4700×1700×1850
8×5000	8	5000	2	100	20-600	10	11	5800×1900×2100
8×6000	8	6000	2	120	20-600	8	11	6800×1900×2200
10×2500	10	2500	2	120	20-600	12	11	3200×1850×1900
10×3200	10	3200	2	120	20-600	10	11	3900×1850×1900
10×4000	10	4000	2	120	20-600	8	15	4700×1850×1900
10×5000	10	5000	2	120	20-600	7	15	5800×2000×2150
10×6000	10	6000	2	120	20-600	6	18.5	6800×2000×2500
12×2500	12	2500	2.5	120	20-600	11	15	3200×2050×2150
12×3200	12	3200	2.5	120	20-600	10	18.5	3900×2050×2150
12×4000	12	4000	2.5	120	20-600	8	18.5	4700×2050×2150
12×5000	12	5000	2.5	120	20-600	7	22	5800×2200×2200
12×6000	12	6000	2.5	120		6	22	6800×2400×2600
16×2500	16	2500	2.5	120	20-600	10	18.5	3200×2150×2250
16×3200	16	3200	2.5	120	20-600	9	18.5	3900×2150×2250
16×4000	16	4000	2.5	120	20-600	8	22	4700×2150×2250
16×5000	16	5000	2.5	120	20-600	6	30	5800×2500×2700
16×6000	16	6000	2.5	120	20-600	6	37	6800×2500×2700
20×2500	20	2500	3	120	20-600	8	22	3200×2250×2350
20×3200	20	3200	3	120	20-600	7	22	3900×2250×2350
20×4000	20	4000	3	120	20-600	6	30	4700×2350×2350
20×5000	20	5000	3	120	20-600	5	37	5800×2600×2700
20×6000	20	6000	3	120	20-600	4	37	6800×2600×2900
25×2500	25	2500	3	120	20-600	6	37	3200×2300×2500
25×3200	25	3200	3	120	20-600	5	37	3900×2300×2500
25×4000	25	4000	3.5	120	20-600	5	37	4700×2500×2600
25×5000	25	5000	3.5	120	20-600	4	45	5800×2700×2800
25×6000	25	6000	3.5	120	20-600	4	45	6800×2700×2900

The above data is just for reference, if there is any disaccord please refer to actual data, All rights reserved to our company.

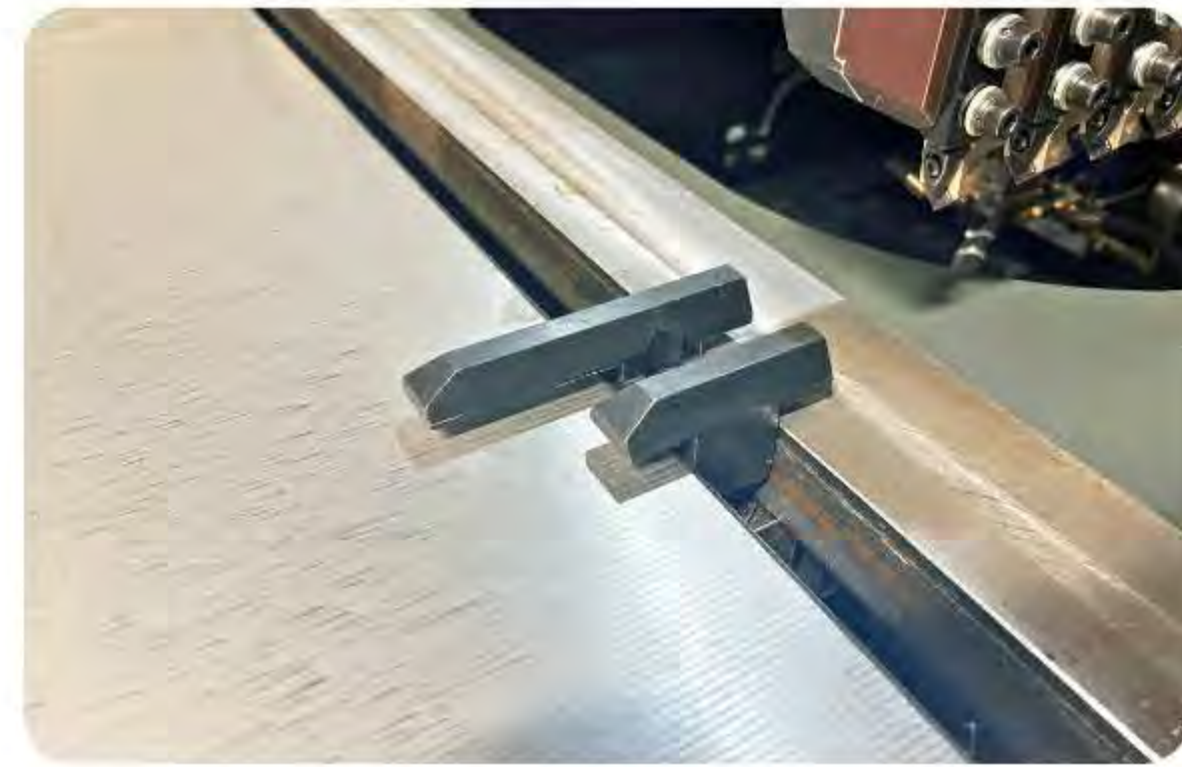


CNC Vertical V-Grooving Machine



Optional single or double grooving heads

Equipped with multiple carbide cutters (optional HSS cutters) for improved cutting precision. Dual-head grooving increases production efficiency with back-and-forth operation, while the single-head option offers greater stability and higher accuracy.



Hydraulic clamping device

Uses dense, independently controlled hold-downs for strong and reliable clamping, enabling grooving of plates in various shapes and sizes.



Main servo motor/Linear guide rail/Precision rack

The main servo motor precisely controls the high-speed lateral movement of the grooving head, enabling functions such as fixed-point grooving with ease and efficiency. Equipped with Hiwin linear guide rails and TBI precision racks, the system ensures both accuracy and speed during high-speed grooving operations.



Hydraulic fixture

Hydraulic clamping is more stable, with high pressure and high feeding accuracy.



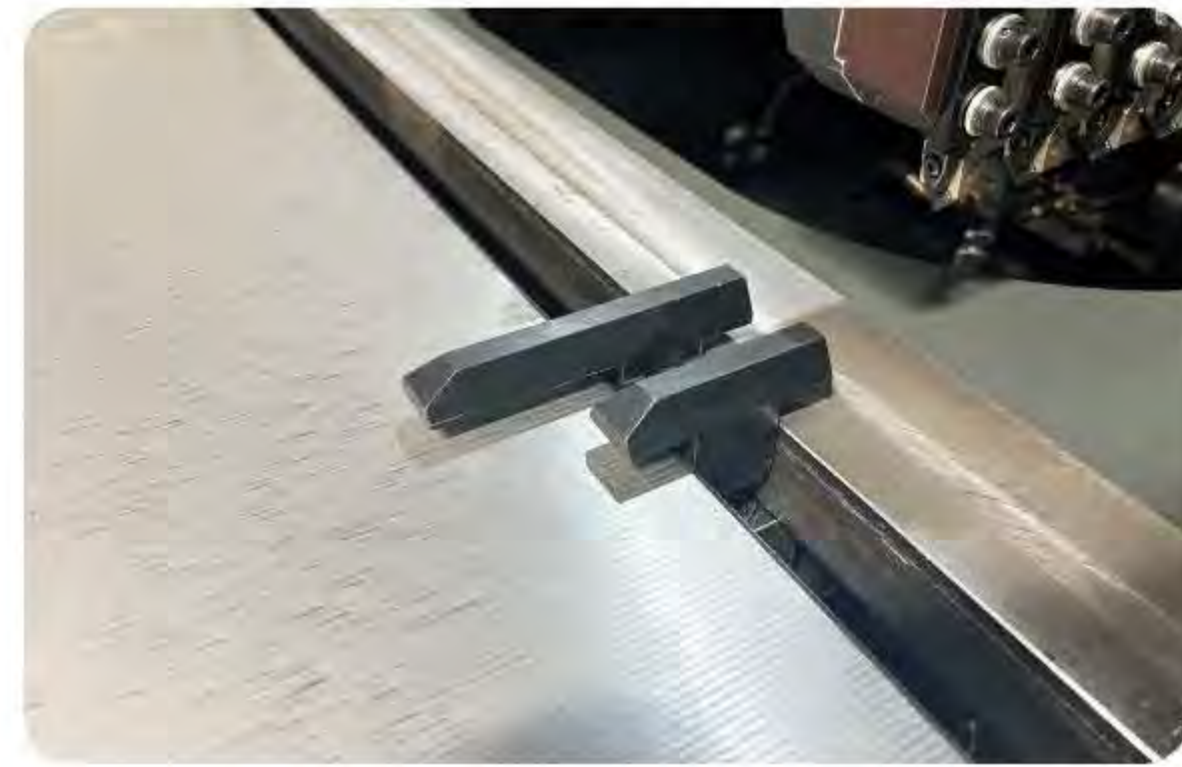
Parameter Name	Unit	SJK1540Y
Grooving Drive Method		X-axis servo-driven rack and pinion transmission
Grooving Sheet Thickness	mm	0.5-4
Grooving Sheet Width	mm	20-1600
Grooving Sheet Length	mm	600-4000
X and Y Axis Travel	mm	4000×1600
Maximum Sheet Weight	kg	120
Maximum Tool Holder Travel	mm	10
Maximum X-Axis Moving Speed	m/min	100
Maximum Y-Axis Moving Speed	m/min	20
Max Speed of Z1 and Z2 Axes	m/min	9
X-Axis Servo Motor Power	KW	5.5
Y-Axis Servo Motor Power	KW	1.5
Z1 and Z2 Axes Servo Motor Power	KW	2×0.4
Number of Controlled Servo Axes	piece	4
CNC System Model		SX002
Y and Z Axes Repeat Positioning Accuracy	mm	±0.020
Min. Grooving Edge Width (Carbide Cutter)	mm	14
Hydraulic	Mpa	8
Overall Dimensions	mm	6000×3000×2000

CNC Gantry-Type Slotting Machine



Optional single or double grooving heads

Multiple alloy knives (optional white steel knives) are used to improve cutting accuracy. Double headed back and forth grooving can improve production efficiency, while single headed planing is more stable and accurate.



Hydraulic clamping device

Adopting dense independent pressing material, with high pressure and reliable fastening, it can plane various shapes and sizes of boards.



Main servo motor/Linear guide rail/Precision rack

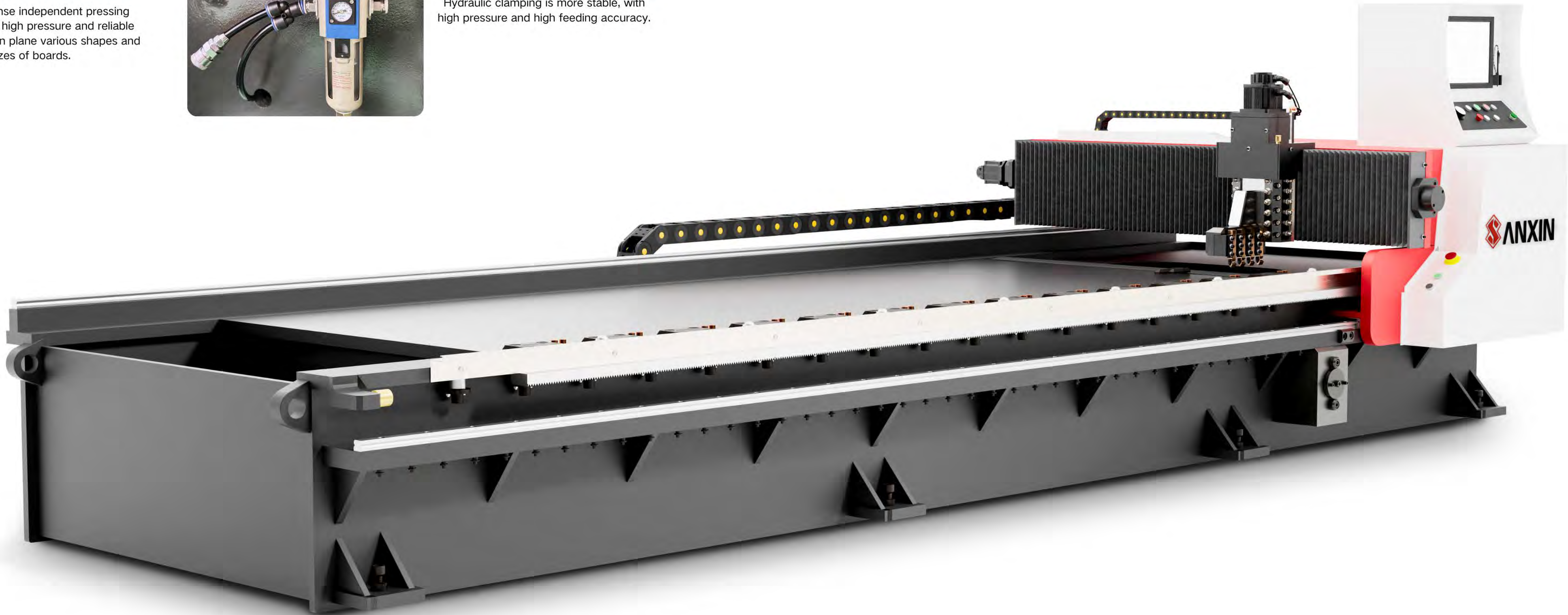
The main servo motor precisely controls the high-speed left and right movement of the planer head, which can achieve functions such as fixed point slotting, making it convenient and fast. At the same time, it is equipped with silver linear guide rails and TBI precision gear racks, ensuring the accuracy and speed during the high-speed groove planning process.



Hydraulic fixture

Hydraulic clamping is more stable, with high pressure and high feeding accuracy.

Parameter Name	Unit	PGNK1540
Grooving sheet thickness range	mm	0.6 ~ 4
Min. Sheet Thickness	mm	0.6
Min. Distance from V-Groove to Edge	mm	8
Y-axis Cutting Speed (Beam Forward)	m/min	≤70
Y-axis Backward Speed (Beam Retract)	m/min	≤70
X1-axis Tool Holder Movement Speed X2-axis End Material Pressing Movement Speed	m/min	≤12
Z-axis Tool Holder Vertical Speed	m/min	≤8
X-axis motor power	KW	5.5
Y1-axis and Y2-axis servo motor power	KW	1
Z-axis servo motor power	KW	1
Oil pump motor power	KW	2.2
Power supply capacity	V	3PHS 380V 13KVA
Hydraulic system pressure	MPa	4-8
Compressed air pressure	MPa	0.6
Machine dimensions (including scrap box) (L × W × H)	mm	6250 × 2200 × 1540



CNC Gantry Four-Sided V-Grooving Machine

