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BROCHURE

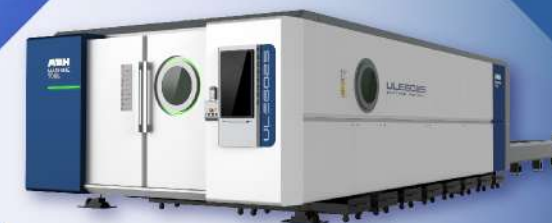
Professional Quality, Endless Possibilities



Press Brake



Panel Bender



Laser Cutting
Machine



Shearing Machine

Who We Are

Pioneering Intelligent Manufacturing Excellence

Anhui Donghai Yuxiang Intelligent Equipment Technology Co., Ltd. (ADH), established in 2002, is a leading Chinese manufacturer of intelligent sheet metal equipment, including CNC press brakes, fiber laser cutting machines, and automated production lines. Its 100% CNC-controlled products position it at the forefront of digital, automated, and intelligent sheet metal solutions in China. With a 350,000 square meters facility and over 700 employees, ADH ranks among China's top three in the forging and pressing machine tool industry.

The company embraces intelligent manufacturing, earning numerous prestigious accolades like "China Famous Trademark" and "National High-tech Enterprise." A comprehensive global sales and service network, featuring over 150 offices and international branches in key markets, supports customers worldwide. ADH's commitment to high-quality products and responsive service has secured enduring customer trust and industry leadership.

2002

Founded in March 2002

6000 +

Annual production capacity of 6000+ sets.

120 +

More than 120 R&D personnel.

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About Us



R & D Strength



Sales & Service Network



700+ Employees



40 Years of Innovation

ADH stands as a global frontrunner in precision sheet metal solutions, built upon 40 years of manufacturing expertise. Established in 2002, we have transformed from a modest Chinese family workshop into a premier machine tool innovator, securing a position among China's top 3 manufacturers in the sector.

Our dedicated team of over 120 technical specialists drives pioneering research and development, creating high-performance CNC press brakes trusted by Fortune 500 companies across more than 100 countries. As a dynamic joint-stock enterprise, we merge state-of-the-art facilities with invaluable multi-generational craftsmanship to continuously elevate industry benchmarks.

Every machine we deliver embodies our core commitment to both technological leadership and client achievement. Partner with ADH to experience engineering excellence engineered to boost your productivity and profitability.

100 +

Exported to over 100 countries.



Mission



We are committed to driving innovation through product research and development, consistently enhancing product quality, and providing exceptional service, thereby establishing our position as a globally recognized leader in the sheet metal manufacturing machinery industry.

Values



Innovation, Leanness, Integrity, Win-Win Cooperation.

Vision



To be a sheet metal service provider earning societal respect, customer trust, and employee pride.

Product Showroom

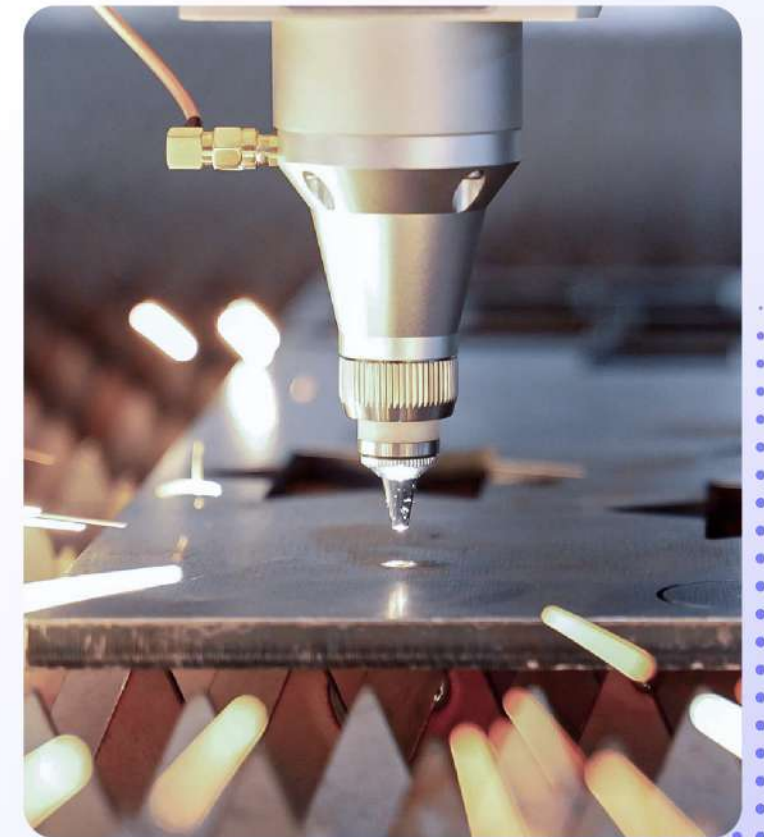


➤ 600 square meters of intelligent exhibition hall.

➤ Annual production of more than 6000 machine tools.

Quality, evident at a glance. ➤

Fabrication Equipment



Fabrication Equipment



470+

Total area 470+ mu



700+

The total number of employees exceeds 700



150+

More than 150 offices domestic and abroad



Global Sales Network

Through its commitment to quality and service, ADH Machine Tool has gained the trust and recognition of customers worldwide. This success is reflected in its export performance, which leads China in both volume and value.

Enterprise Honor



Guided by a core philosophy prioritizing technical innovation, scientific management, and a customer-first approach, our company consistently drives cutting-edge technological advancements through a strong commitment to innovation. The implementation of standardized scientific management, robust technical oversight, and a dedicated customer-centric service model has repeatedly earned us significant industry accolades and public praise.



120+

Patent certificate



90+

Various awards and certifications





Exhibition Profile

In recent years, Donghai Yuxiang has been frequently invited to take part in various prominent exhibitions both domestically and internationally. With its independently developed cutting-edge intelligent equipment, Donghai Yuxiang's booth consistently garners significant attention at these major events, effectively drawing numerous manufacturers from around the globe to engage in consultations and negotiations.

30+

Exhibition launch

10000+

Visitor count

Our Partners

Rexroth
Bosch Group

WILA

IPG
PHOTONICS

RAYTOOLS

Delem

Raycus

HAWE
HYDRAULIK

HIWIN®

VOITH

Schneider
Electric

ESTUN

CYBELEC
INFRANOR GROUP COMPANY

KACOM

esa
AUTOMOTION

NOK

DELTA

CNC Press Brake

WADE Series

- Modern streamlined design providing high speed, precision, and rigidity for bending operations.
- Energy-efficient electro-hydraulic servo synchronization, reducing energy consumption by 40-60% compared to traditional systems.
- Advanced hydraulic system integrating real-time servo control for stable pressure and reduced hydraulic failure rates.
- High-performance backgauge system with digital AC servo motor, precision ball screw, and linear guide rail for accurate positioning.



-  Energy-Saving Sunny Oil Pump
-  Self-Correcting Intelligence
-  Advanced Multi-Axis Backgauge
-  Military-Grade Rigidity



Electrical Parts



Servo Motor



Backgauge

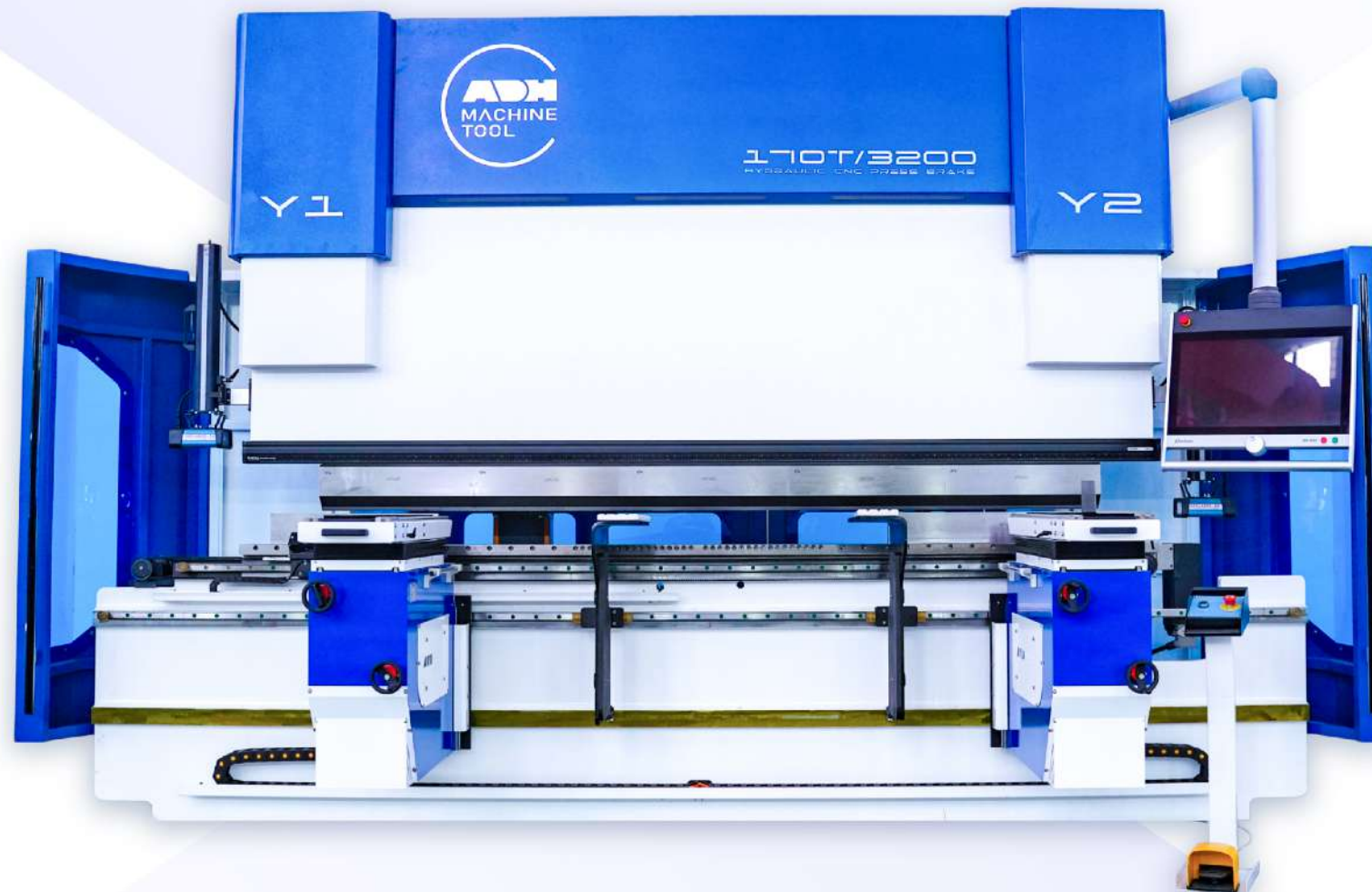


Control System

CNC Press Brake

WAD Series

- ▶ Electro-hydraulic servo system cuts energy use by up to 60%, lowering operational costs and oil temperature.
- ▶ Superior ram speeds boost bending cycles by over 30%, significantly increasing throughput for batch production.
- ▶ Rigid, stress-relieved frame and premium components deliver exceptional long-term stability and dependable performance.
- ▶ High-performance servo-driven backgauge enables fast, accurate positioning on a precision ball screw and linear guide system.



-  Closed-Loop Accuracy
-  High-Strength Cast Iron
-  Low-Noise Hydraulic Operation
-  Precision Electro-Hydraulic Control



Electrical Parts



Servo Motor



Backgauge



Control System

Hybrid Electric CNC Press Brake

WADH Series

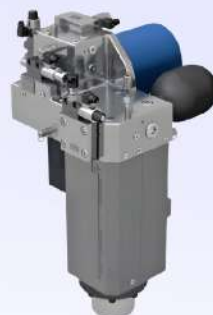
- Servo motors distribute oil on demand, eliminating throttling losses, reducing energy consumption, decreasing oil usage by 70%, extending system life, and improving stability.
- Gear pumps significantly reduce noise, have lower cleanliness requirements, and experience fewer failures. Slider accuracy is $\pm 0.01\text{mm}$, with a maximum of $\pm 0.005\text{mm}$, and efficiency is increased by 10%.
- Servo pumps increase energy efficiency by 50%, integrated filters enhance stability, installation is simple and flexible, and they offer both economy and high cost performance.
- Positioning accuracy reaches $5\mu\text{m}$, noise is lower, oil tank capacity is reduced by 70%, energy saving is efficient, helping users reduce costs and improve efficiency.



- ⌚ Short cycle time
- ⚙️ Low energy consumption
- 🔧 Low maintenance cost
- 🔊 Low noise level



Electrical Parts



Pump-controlled Servo System



Backgauge



Control System

Electric Press Brake

WADG Series

- Full-electric servo drive delivers 70% energy savings vs hydraulic systems with $\pm 0.005\text{mm}$ repeat positioning accuracy.
- Dual heavy-duty ball screw transmission with grating ruler feedback ensures $\pm 0.01\text{mm}$ bending angle consistency.
- Intelligent mechanical compensation system eliminates frame deflection and throat deformation impacts.
- Modular tooling system enables < 2min die change with Europe-standard compatibility.
- Industry-leading 280mm/s rapid approach speed boosts productivity by 50%.



-  Dual-Grating Synchronous Control
-  Finite Element Optimized Frame
-  Premium International Core Components
-  Servo Direct Drive Technology



Electrical Parts



Y-axis Servo Motor



Backgauge



Control System

Tandem Press Brake

WAD Series

- ▶ Operate two machines independently for smaller tasks or synchronize them seamlessly for bending extra-long workpieces up to 12 meters, ideal for light poles, power towers, and construction equipment.
- ▶ Achieve $\pm 0.01\text{mm}$ repeatability with CNC-guided crowning compensation, servo-driven backgauges, and torsion bar synchronization for ram parallelism.
- ▶ Advanced servo motors reduce energy consumption by 35% compared to traditional systems, paired with Siemens/Schneider components for operational cost savings.
- ▶ Process materials up to 1600T bending force with hardened Hawei hydraulics and ST-44 steel frame, ensuring stability under extreme loads.



Electro-Hydraulic
Servo Drive System



CNC-Compensated
Crowning Device



Modular Hydraulic Valve Blocks



3D Graphics
Programming Interface



Electrical Parts



Servo Motor



Backgauge



Control System

Large Press Brake

WADF Series

- ▶ Advanced electro-hydraulic servo system ensures high-speed, high-precision, and high-rigidity synchronized bending control.
- ▶ Integrated mechanical crowning and throat deformation compensation guarantee exceptional bending accuracy and consistency along the full length.
- ▶ High-precision backgauge system featuring digital AC servo motor, ball screw, and linear guide ensures accurate and repeatable flange positioning.
- ▶ Robust, stress-relieved welded frame construction provides exceptional stability and long-term reliability under heavy loads.



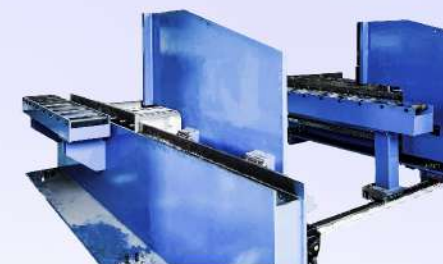
-  Heavy-Duty Industrial Performance
-  Heavy-Duty Industrial Performance
-  Smart Manufacturing Readiness
-  Zero-Compromise Motion Systems



Front Feeding Device



Crowning



Heavy-Duty Back Gauge



Control System

NC Press Brake

WC67E Series

- ▶ Advanced torsion-synchronized system for precise and consistent bending results.
- ▶ Integrated high-rigidity heat-treated frame ensures long-term accuracy and stability.
- ▶ Hydraulic synchronization control with NC controllers for reliable programmability and repeatability.
- ▶ Standard safety features and optional upgrades such as laser guarding for operator protection.



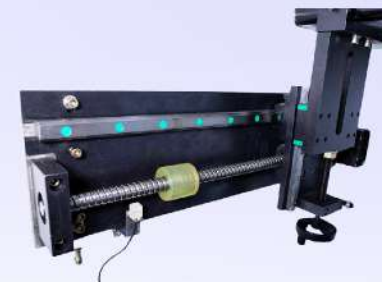
-  Estun E315PS/ESA S630 NC Controller
-  Integrated Hydraulic System
-  Precision Ball Screw Backgauge
-  Customizable Crowning Mechanism



Electrical Parts



AC Motor



Ball Screw & Guide



Control System

Bending Cell

Press Brake

WADR Series



System Composition

Multi-joint industrial robot + CNC bending machine + PLC control system, enabling automatic gripping, centering, bending, and palletizing.



Significant Benefits

Reduce labor intensity, improve production efficiency, and save costs.



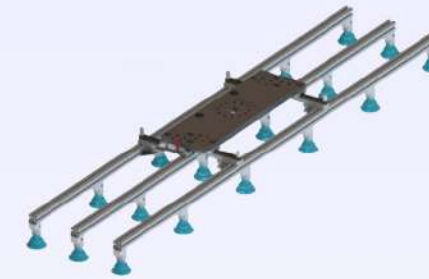
Custom Configuration

Select equipment models and auxiliary devices based on workpiece weight, dimensions, and process requirements.



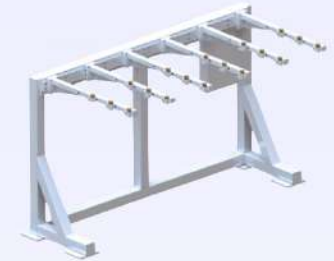
Flexible Solution

Mobile design, customizable bending unit solutions to meet individual needs.



Variable Distance Gripper

Adapting to various workpiece sizes minimizes replacement and down-time. Handling diverse workpieces precisely enhances automation efficiency and productivity.



Flip Frame

With a sturdy carbon steel structure and plastic-sprayed finish, this component enables seamless workpiece flipping. The robot places the workpiece on the front suction cup, flips it, and grips it from the back, ensuring smooth operation.



Quick Change Device

The robot achieves automatic replacement of different specifications of grippers and suction cup holders through a quick-change device consisting of a motherboard and multiple tool boards, making robot applications more flexible.



Robot Visual Positioning Device

Using advanced machine vision, this system guides the robot to precisely position the gripper and grasp the workpiece. It integrates machine vision and robotic coordination for real-time adjustments and accurate operations in complex tasks.

CNC Controller



SCS920 (China)

- 21.5-inch industrial capacitive touchscreen
- Standard configuration of 6+1 axes (expandable to 8+1 axes)
- Support for additional expansion functionalities
- Hydraulic bending machine
- Fully electric bending machine
- Dual-pump controlled bending machine



DELEM DA-69S (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



ESTUN E21PS (China)

- Back Gauge Positioning Control
- One-way and two-way positioning, effectively eliminating screw gap
- Retreat escape function, automatic search reference function
- One-button backup and restore function, rapid location teaching function
- Angle and rear gear correction, plus 2D graphical programming



ESTUN E315PS (China)

- 15.6" Smart Capacitive Touchscreen
- 6+1 Multi-Axis Precision Control
- Precision Y-Axis Angle Programming
- Manual Axis Position Microadjustment
- Built-In Mold/Material Databases
- ED3L Servo-Driven Stability



DELEM DA-53TX (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



DELEM DA-58TX (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



DELEM DA-41T (Netherlands)

- 7" widescreen TFT with glove-compatible tempered glass
- Panel-mounted design for seamless machine integration
- Scratch-resistant industrial-grade touch surface
- Ergonomic layout for reduced operator fatigue
- Material/angle calculation presets



ESA S630 (Italy)

- Resistive type 10" Touch color screen
- For all applications up to 4 axes
- Interactive 2D touchscreen
- Five-axis control
- Broad compatibility
- Offline programming
- Easy operation



DELEM DA-66S (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



ESA S875 (Italy)

- 19" frameless multi-touch industrial PC
- DXF toolshape import & 3D Bend software support
- Cloud-ready Modbus TCP interface for smart factories
- Finger-tip workpiece design & tool library management
- Supports integration with dataM angle measurement systems



ESA S840 (Italy)

- 15.6" Touch Screen
- Up to 6 Axes
- ETS Real time Operating System
- Ethercat/CANopen or Analog Axes interface



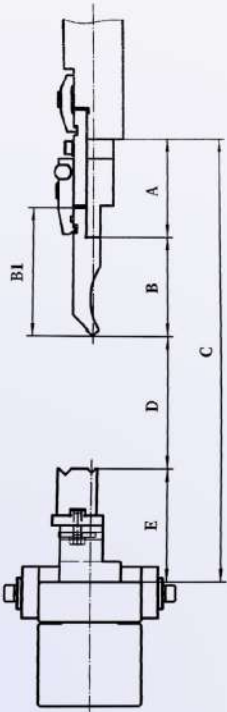
CYBELEC CT12 (Switzerland)

- 12" colour graphic fully touch screen interface
- Touch 2D graphic part creation with manual sequencing
- "EasyBend" page for simple tasks
- Up to 4 axes (typically Y1, Y2, X, R)
- Automatically calculates (bend allowance, pressure, crowning, and upper die depth)
- Modifiable tool presets per bend/part requirements
- Pressure-crowning calculation with real-time correction

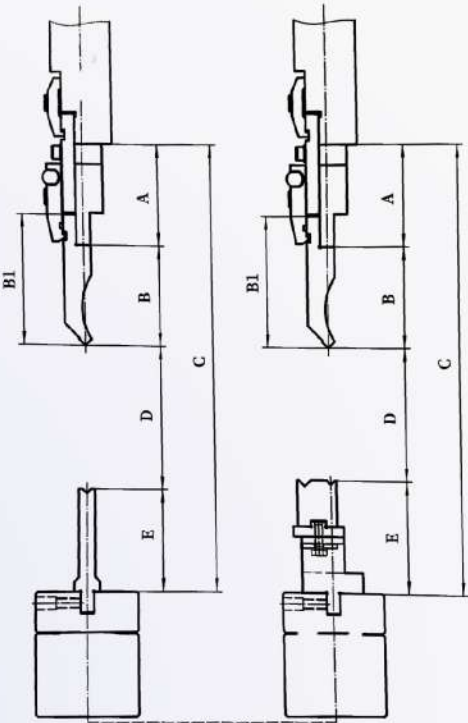
NC Controller



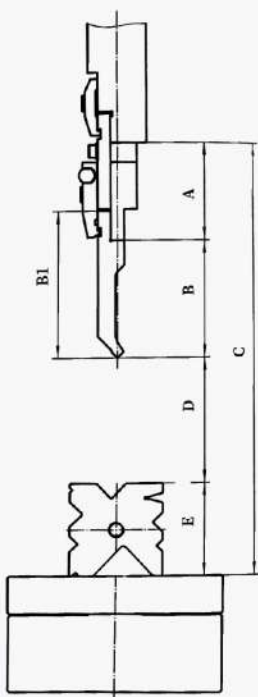
Mold Installation Diagram



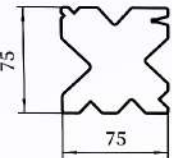
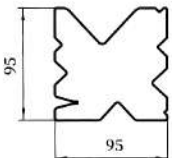
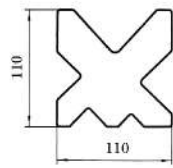
Double V die



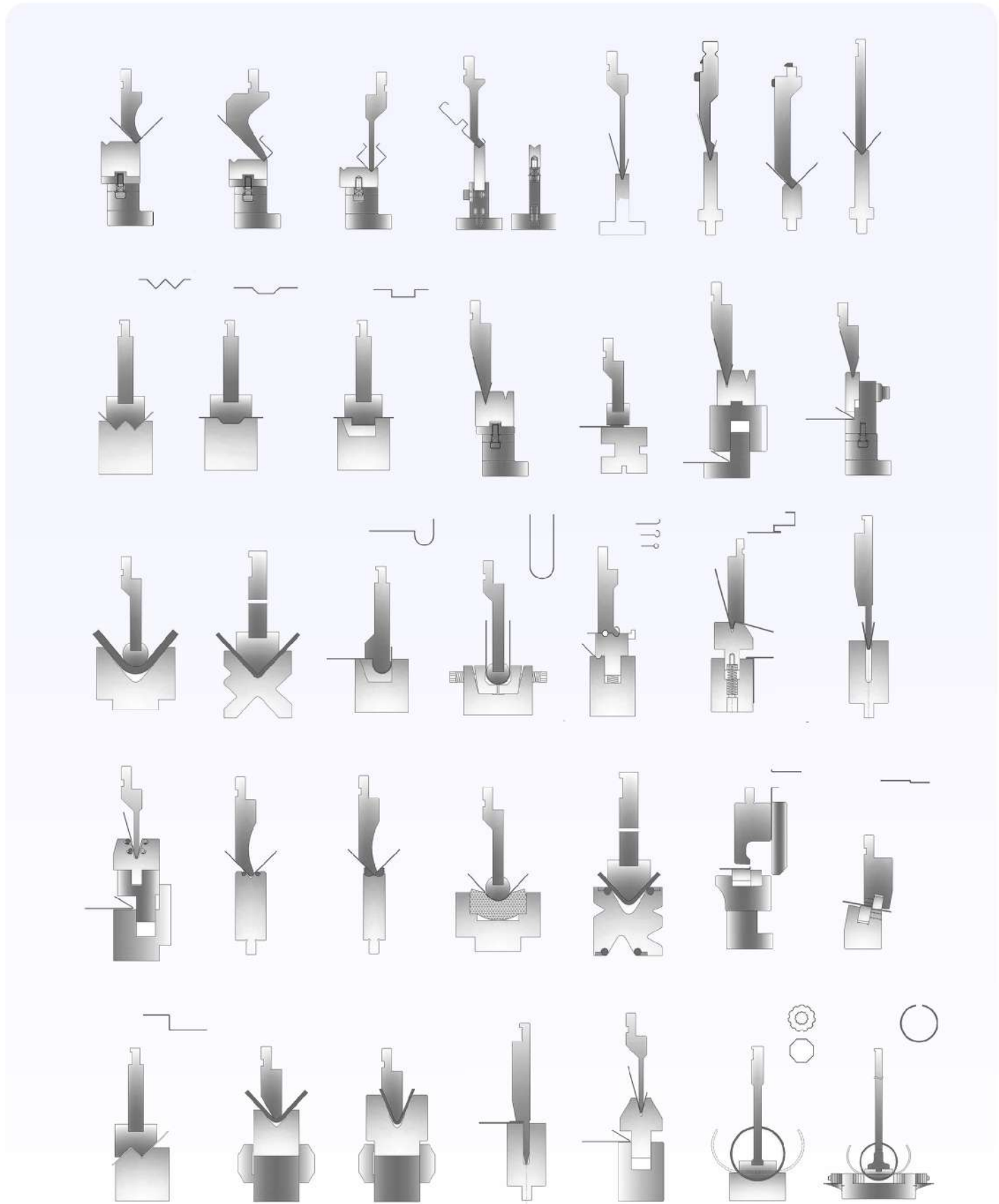
Single V lower die,
dual V lower die for both uses



Multi-V bottom die

Standard Machine Tool Mold Configuration Table (35T-320T)			
Code name	Double V mold	Single and double V mold	Multi-view model
A (Fixture Height)	100	100	100
B (Upper Mold Clear Height)	100	100	120
B1 (Upper Mold Height)	130	130	150
D (Upper and Lower Mold Spacing)	=C-A-B-D-E		
E (Lower Mold Height)	95/111	100/111	75/95/110
 Opening Size: 4, 6, 8, 12, 16, 20, 25, 32, 40  Opening Size: 5, 7, 10, 12, 16, 20, 25, 30, 60  Opening Size: 25, 36, 46, 60, 80			

Bending Workpiece Drawing



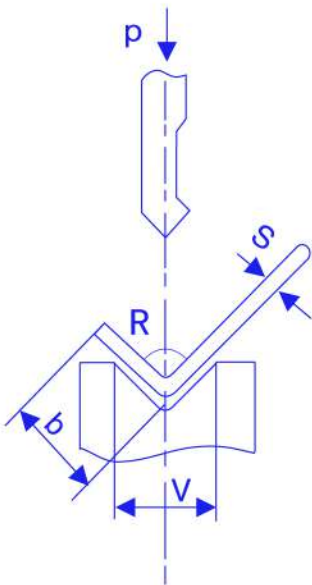
Bending Force Table

Thickness (t) →	Die opening V	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	125	160	200
	Minimum flange length b min	2.8	4	5	5.5	7	8.5	10	11	13.5	14	17.5	22	28	35	45	55	71	89	113	
	Bending radius ir	0.7	1.0	1.1	1.3	1.6	2.0	2.3	2.6	3.0	3.3	4.0	5.0	6.5	8.0	10	13	16	20	26	
	0.5 mm	40	30																		
	0.6 mm	60	40	40	40																
	0.8 mm		70	70	50	40															
	1.0 mm		110	100	80	70															
	1.2 mm			140	120	100	80	70	60												
	1.5 mm				170	150	130	110	90	80											
	2.0 mm					220	190	170	150	130	110										
	2.5 mm						280	250	220	180	140										
	3.0 mm							340	300	240	190	150									
	3.5 mm								330	260	200	160	130								
	4.0 mm								430	340	270	210	170								
	4.5 mm									440	340	270	210								
	5.0 mm									520	420	330	260	210							
	6.0 mm									750	600	480	380	300	240						
	7.0 mm													520	410	330	260				
	8.0 mm													850	680	530	430				
	9.0 mm														670	540	430				
	10 mm															850	970	530	420		
	12 mm																960	780	600	550	
	15 mm																		950	750	

Force Calculation Formula for Press Brake:

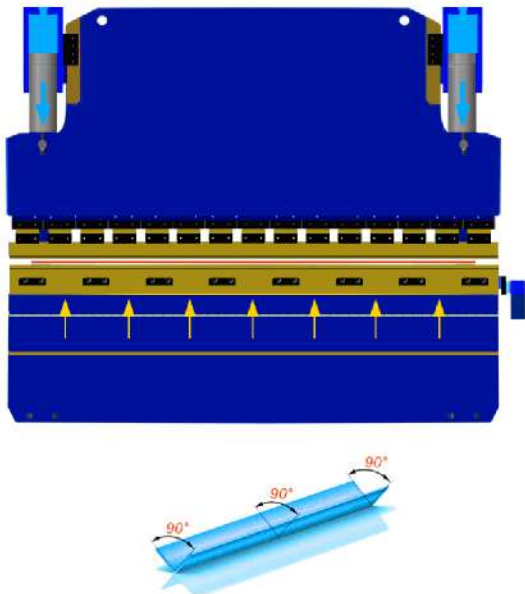
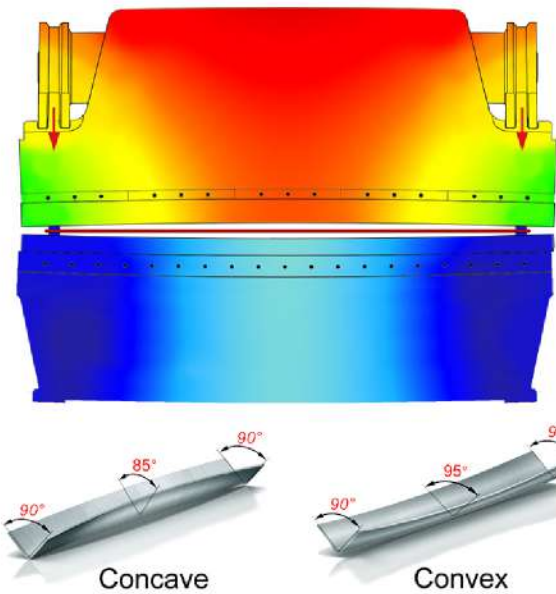
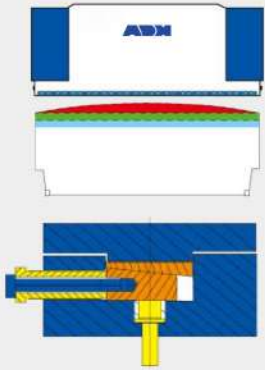
- Calculation method of sheet bending force:
- P-bending force (KN)
- S-plate thickness (mm)
- L-plate width (m)
- V-lower die notch width (mm)

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



Worktable Crowning Device

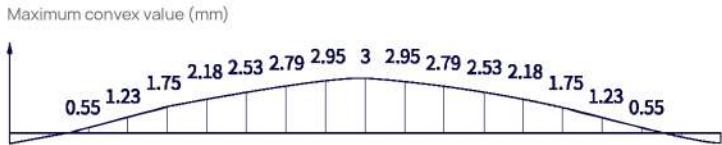
- 1 The V-axis, operating under computer numerical control (CNC), governs the workbench's height adjustment and provides accurate deflection compensation across its full span. This workbench features a unique curved profile, constructed from multiple convex wedges featuring inclined surfaces. The specific angle of each wedge's incline corresponds to the deflection curve, meticulously calculated through finite element analysis (FEA) of both the ram and the workbench's vertical plate structure.
- 2 During the workpiece bending process, load forces inevitably cause deflection. To counteract this, the CNC system precisely calculates the required compensation value. The system then automatically adjusts the relative positions of the convex wedges, effectively neutralizing the deflection and ensuring the final bend meets exact specifications.



Technical Requirements:

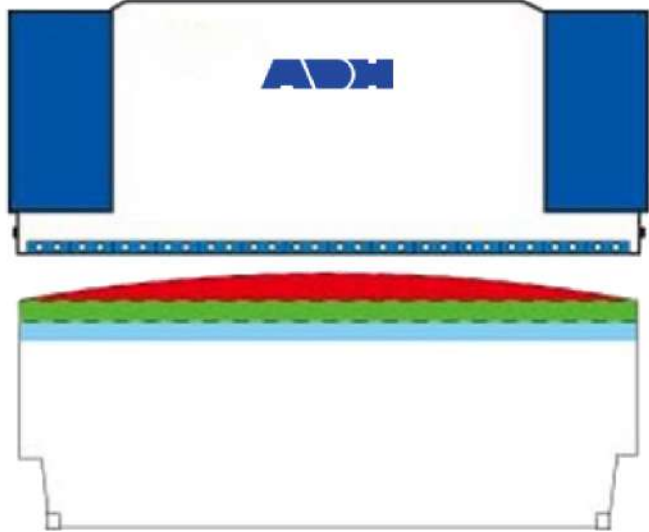
- The illustration depicts the starting position at zero convexity, where each convexity point exhibits a consistent thickness error of +0.05mm.
- The maximum convexity value under the specified working force is (3 + 0.05) mm.

The lower module provides a stroke length of 75mm and incorporates a Tr36x3 transmission screw. There are 19 convexity points in total, and the distribution pattern for the maximum convexity value is outlined as follows:



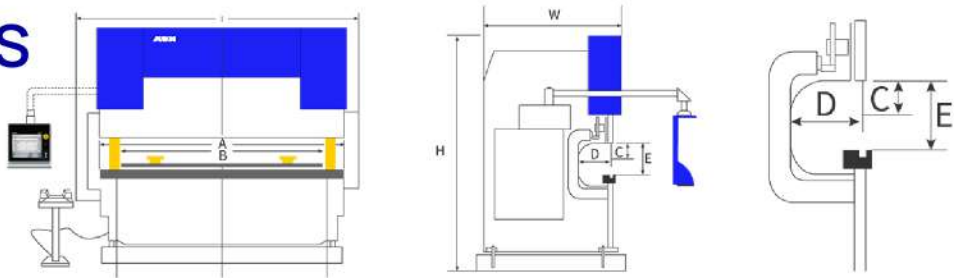
Dimension table of convex wedge:

Number	1	2	3	4	5	6	7	8	9	10	
A	50.23	50.06	49.64	49.15	48.73	48.35	48.02	47.77	47.61	47.56	
B	49.24	49.82	51.03	52.20	53.06	53.75	54.28	54.66	54.89	54.96	



Specifications

WAD/WADE CNC Press Brake



Model	Bending Force	Bending Length (A)	Oil Tank	Approac-hing Speed	Ram Speed	Return Speed	X-axis stroke	X-axis Speed	R-axis stroke	R-axis Speed	Column Distance (B)	Throat Depth (D)	Stroke (C)	Daylight (E)	Step/ Servo Motor	Weight	Dimensions
Unit	KN	mm	L	mm/S	mm/S	mm/S	mm	mm/s	mm	mm/s	mm	mm	mm	mm	KW	Ton	Lx W x H mm
50T/1300	500	1300	130	160	13	160	500	350	200	200	1120	250	150	460	8.4	4.3	1750*1500*2330
50T/1600	500	1600	130	160	13	160	500	350	200	200	1120	250	150	460	8.4	4.3	1750*1500*2330
70T/2000	700	2000	130	220	13	160	500	350	200	200	1600	300	150	460	8.4	5	2400*1600*2400
70T/2500	700	2500	130	220	13	160	500	350	200	200	1600	300	150	460	8.4	5.3	2400*1600*2400
80T/2500	800	2500	170	220	12	145	500	350	200	200	2050	300	150	460	8.4	6.1	3100*1600*2460
110T/3200	1100	3200	170	220	12	160	500	350	200	200	2700	400	200	480	12.4	8.6	3750*2202*2700
110T/4000	1100	4000	170	220	12	160	500	350	200	200	3600	400	200	480	12.4	9.4	4600*1800*2700
110T/4100	1100	4100	170	220	12	160	500	350	200	200	3600	400	200	480	12.4	10	4700*1800*2700
135T/3200	1350	3200	170	220	10	130	500	350	200	200	2700	400	200	480	12.4	9.2	3800*1800*2700
135T/4000	1350	4000	170	220	10	130	500	350	200	200	3600	400	200	480	12.4	9.9	4600*1800*2700
135T/4100	1350	4100	170	220	10	130	500	350	200	200	3600	400	200	480	12.4	10.4	4700*1800*2700
170T/3200	1700	3200	300	160	10	100	500	350	200	200	2700	450	200	480	17.8	10.8	3800*2000*2800
170T/4000	1700	4000	300	160	10	100	500	350	200	200	3600	450	200	480	17.8	12.1	4600*2000*2800
170T/4100	1700	4100	300	160	10	100	500	350	200	200	3600	450	200	480	17.8	12.6	4700*2000*2800
170T/5000	1700	5000	300	160	10	100	500	350	200	200	4000	450	200	480	17.8	14.0	6300*2000*3160
170T/6000	1700	6000	300	160	10	100	500	350	200	200	4800	450	200	480	17.8	19.4	6300*2000*3160
220T/3200	2200	3200	300	160	9	105	500	350	200	200	2600	450	200	480	21.4	12.1	3800*2200*2850
220T/4000	2200	4000	300	160	9	105	500	350	200	200	3600	450	200	480	21.4	14.2	4600*2200*2850
220T/4100	2200	4100	300	160	9	105	500	350	200	200	3600	450	200	480	21.4	14.6	4700*2200*2850
220T/5000	2200	5000	300	160	9	105	500	350	200	200	4000	450	200	480	21.4	17.0	5600*2200*2980
220T/6000	2200	6000	300	160	9	105	500	350	200	200	4800	450	200	480	21.4	20.9	6700*2200*3220
250T/3200	2500	3200	460	130	9	100	500	350	200	200	2600	450	250	540	21.4	15.8	3800*2200*3120

Model	Bending Force	Bending Length (A)	Oil Tank	Approac-hing Speed	Ram Speed	Return Speed	X-axis stroke	X-axis Speed	R-axis stroke	R-axis Speed	Column Distance (B)	Throat Depth (D)	Stroke (C)	Daylight (E)	Step/ Servo Motor	Weight	Dimensions
250T/4000	2500	4000	460	130	9	100	500	350	200	200	3100	450	250	540	21.4	17.4	4600*2200*3150
250T/5000	2500	5000	460	130	9	100	500	350	200	200	3800	450	250	540	21.4	21.5	5600*2150*3150
250T/6000	2500	6000	460	130	9	100	500	350	200	200	4800	450	250	540	21.4	26.3	6300*2150*3150
300T/3200	3000	3200	650	120	9	110	500	350	200	200	2600	500	250	570	25.2	18.9	3500*2250*3200
300T/4000	3000	4000	650	120	9	110	500	350	200	200	3100	500	250	570	25.2	20.9	4300*2500*3400
300T/5000	3000	5000	650	120	9	110	500	350	200	200	3800	500	250	570	25.2	26.3	5300*2500*3400
300T/6000	3000	6000	650	120	9	110	500	350	200	200	4800	500	250	570	25.2	31.0	6300*2500*3400
400T/4000	4000	4000	800	80	8	80	980	200	200	40	3100	500	300	610	31.2	28	4300*2700*3500
400T/5000	4000	5000	800	80	8	80	980	200	200	40	3800	500	300	610	31.2	34	5300*2700*3500
400T/6000	4000	6000	800	80	8	80	980	200	200	40	4800	500	300	610	31.2	38	6300*2700*3500
500T/4000	5000	4000	760	80	8.5	90	980	220	200	40	3100	500	300	610	35.2	36	4300*2700*3500
500T/5000	5000	5000	760	80	8.5	90	980	200	200	40	3800	500	300	610	35.2	39	5300*2700*3500
500T/6000	5000	6000	760	80	8.5	90	980	200	200	40	4800	500	300	610	35.2	45	6300*2700*3600
600T/4000	6000	4000	1050	80	8.5	85	980	200	200	40	3100	600	320	650	47.5	46	4300*3300*3900
600T/5000	6000	5000	1050	80	8.5	85	980	220	200	40	3800	600	320	650	47.5	51	5300*3300*3900
600T/6000	6000	6000	1050	80	8.5	85	980	200	200	40	4800	600	320	650	47.5	62	6300*3300*3900
800T/4000	8000	4000	1800	80	8	90	980	220	200	40	2800	600	320	800	2X31.2	59	4250*3500*4100
800T/5000	8000	5000	1800	80	8	90	980	220	200	40	3700	600	320	800	2X31.2	68	5300*3600*4420
800T/6000	8000	6000	1800	80	8	90	980	220	200	40	4600	600	320	800	2X31.2	82	6300*3600*4300
800T/8000	8000	8000	1800	80	8	90	980	200	200	40	6300	600	320	800	2X31.2	89	8300*3600*4500
1000T/5000	10000	5000	1700	80	8.5	100	980	200	200	40	3600	600	400	920	2X35.2	80	5260*4410*4260
1000T/6000	10000	6000	1700	80	8.5	100	980	200	200	40	4600	600	400	920	2X35.2	91	6260*4410*4460
1000T/7000	10000	7000	1900	80	8.5	100	980	200	200	40	5600	600	400	920	2X35.2	99	7310*4410*4680
1000T/8000	10000	8000	1900	80	8.5	100	980	200	200	40	6300	600	400	920	2X35.2	109	8300*4410*4980
1200T/5000	12000	5000	2300	80	8.5	80	980	200	200	40	3500	600	400	920	2X47.5	100	5280*4620*4260
1200T/6000	12000	6000	2300	80	8.5	80	980	200	200	40	4500	600	400	920	2X47.5	109	6280*4620*4560
1200T/7000	12000	7000	2300	80	8.5	80	980	200	200	40	5300	600	400	920	2X47.5	116	7280*4620*4860
1200T/8000	12000	8000	2300	80	8.5	80	980	200	200	40	6300	600	400	920	2X47.5	127	8280*4620*5060

Specifications

WADG CNC Press Brake

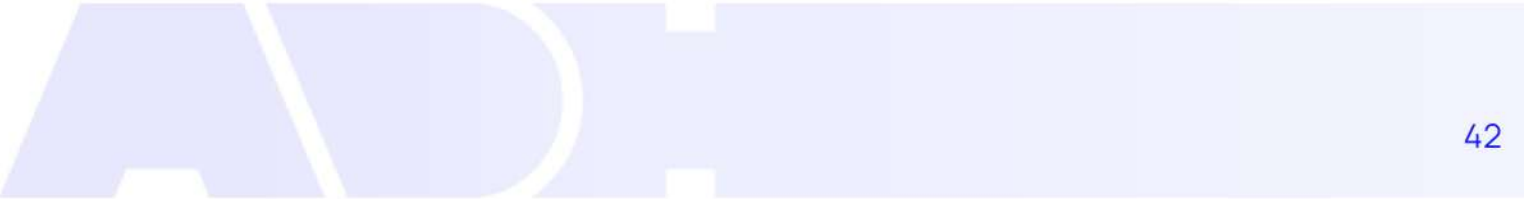
Model	Bending Force	Bending Length	Approac-hing Speed	Working Speed	Return Speed	X-axis Stroke	X-axis Speed	R-axis Stroke	R-axis Speed	Distance Between Columns	Throat Depth(D)	Stroke(C)	Open Height	Main Motor	Weight	Overall Dimensions
Unit	KN	mm	mm/s	mm/s	mm/s	mm	mm/s	mm	mm/s	mm	mm	mm	mm	KW	Ton	L×W×H mm
10T/500	100	500	180	015-30	180	200	400	80	200	510	200	150	420	6	1.2	640*980*1250
20T/800	200	800	250	015-30	250	400	500	150	200	680	250	150	420	15	3.3	1200*1560*2450
30T/1250	300	1250	250	015-30	250	400	500	150	200	900	250	150	420	20	4.3	1460*1660*2470
40T/1300	400	1300	250	015-30	250	400	500	150	200	920	255	150	420	2X15	4.7	1700*2050*2280
50T/1600	500	1600	250	015-30	250	400	500	150	200	1250	255	150	420	2X15	5.1	2200*2050*2280
60T/2000	600	2000	250	015-30	250	500	500	150	200	1600	300	200	470	2X20	5.9	2700*2150*2380
80T/2500	800	2500	200	015-30	200	500	500	150	200	2000	460	200	470	2X25	9.3	3000*2250*2380
100T/3200	1000	3200	200	015-30	200	500	500	150	200	2700	460	200	470	2X25	11.5	4000*2450*2580
160T/3200	1600	3200	200	015-30	200	500	500	150	200	2700	460	250	520	3X25	12.9	4000*2450*2780

Specifications

WC67K/E NC Press Brake

Model	Bending Force	Bending Length	Oil Tank	Approac-hing Speed	Ram Speed	Return Speed	X-axis stroke	X-axis Speed	Distance Between Columns	Throat Depth (D)	Stroke (C)	Open Height	Main Motor	Pump	Weight	Dimensions
Unit	Kn	mm	L	mm/s	mm/s	mm/S	mm	mm/s	mm	mm	mm	mm	Kw	ml/r	Ton	L x W x H mm
30t/1600	300	1600	80	120	17	160	600	150	1300	200	80	335	5.5	11	2.2	1800*1200*1700
30t/2000	300	2000	100	140	17	160	600	150	1600	200	80	335	5.5	11	2.4	2200*1200*1700
40t/2500	400	2500	170	110	15	90	600	150	2030	250	100	355	5.5	13	3.3	2700*1200*1900
63t/2500	630	2500	170	100	10	70	600	150	2050	250	120	370	5.5	13	4.2	2500*1350*2282
80t/2500	800	2500	170	110	10	80	600	150	2050	250	120	380	5.5	16	4.7	2500*1400*2150
100t/2500	1000	2500	260	90	7.5	70	600	150	2050	320	160	430	7.5	16	6.2	2500*1500*2200
100t/3200	1000	3200	260	100	7.5	70	600	150	2510	320	160	430	7.5	16	7.0	3200*1500*2300
100t/4000	1000	4000	260	120	7.5	70	600	150	3100	420	160	430	7.5	16	8.4	4000*1500*2400

Model	Bending Force	Bending Length (A)	Oil Tank	Approac-hing Speed	Ram Speed	Return Speed	X-axis stroke	X-axis Speed	Distance Between Columns	Throat Depth (D)	Stroke (C)	Open Height	Main Motor	Pump	Weight	Dimensions
Unit	Kn	mm	L	mm/s	mm/s	mm/S	mm	mm/s	mm	mm	mm	mm	Kw	ml/r	Ton	L x W x H mm
125t/2500	1250	2500	260	90	7	65	600	150	2050	320	160	430	7.5	16	6.5	2570*1620*2450
125t/3200	1250	3200	260	95	7	65	600	150	2510	320	160	430	7.5	16	7.5	3200*1600*2350
125t/4000	1250	4000	260	110	7	65	600	150	3100	420	160	430	7.5	16	9.5	4000*1750*2590
125t/5000	1250	5000	260	120	7	65	600	150	3800	320	160	430	7.5	16	12.1	5000*1600*2450
125t/6000	1250	6000	260	130	7	65	600	150	4800	320	160	430	7.5	16	15.3	6000*1600*2450
160t/2500	1600	2500	260	110	7	75	600	150	2050	350	200	480	11	20	9.3	2500*1650*2700
160t/3200	1600	3200	260	110	7	75	600	150	2510	350	200	480	11	20	10.3	3200*1650*2800
160t/4000	1600	4000	260	110	7	75	600	150	3100	350	200	480	11	20	11.7	4000*1650*2800
160t/5000	1600	5000	260	120	7	75	600	150	3800	350	200	480	11	20	13.7	5000*1750*3100
160t/6000	1600	6000	260	120	7	75	600	150	4800	350	200	480	11	20	18.0	6000*1750*3300
200T/3200	2000	3200	435	100	8.5	65	600	150	2510	350	200	480	15	32	12.0	3200*1650*2800
200T/4000	2000	4000	435	100	8.5	65	600	150	3100	350	200	480	15	32	13.0	4000*1650*2800
200T/5000	2000	5000	435	100	8.5	65	600	150	3800	350	200	480	15	32	17.0	5000*1950*3100
200T/6000	2000	6000	435	100	8.5	65	600	150	4800	350	200	480	15	32	23.0	6000*1950*3100
250T/3200	2500	3200	435	100	8	75	600	150	2600	400	250	580	18.5	40	16.3	3300*2100*3150
250T/4000	2500	4000	435	100	8	75	600	150	3100	400	250	580	18.5	40	18.1	4000*2100*3150
250T/5000	2500	5000	435	100	8	75	600	150	3800	400	250	580	18.5	40	22.1	5000*2100*3200
250T/6000	2500	6000	540	100	8	75	600	150	4800	400	250	580	18.5	40	25.8	6000*2100*3200
300T/3200	3000	3200	540	90	8	75	600	150	2600	400	250	580	18.5	40	18.0	3200*2200*3200
300T/4000	3000	4000	540	100	8	75	600	150	3100	400	250	580	18.5	40	19.7	4000*2200*3200
300T/5000	3000	5000	540	110	8	75	600	150	3800	400	250	580	18.5	40	25.0	5000*2200*3200
300T/6000	3000	6000	540	130	8	75	600	150	4800	400	250	580	18.5	40	29.0	6000*2200*3200
400T/3200	4000	3200	540	90	7	75	600	150	2500	400	250	580	22	50	20.0	3300*2400*3200
400T/4000	4000	4000	540	90	7	75	600	150	3100	400	250	580	22	50	24.5	4000*2400*3200
400T/5000	4000	5000	550	90	7	75	850	150	3800	400	250	580	22	50	29.0	5000*2400*3200
400T/6000	4000	6000	550	90	7	75	850	150	4800	400	250	580	22	50	35.5	6000*2400*3200



Swing Beam Shearing Machine

QC12K Series

- ▶ High-precision cutting with patented swing beam technology and CNC-controlled blade gap adjustment.
- ▶ Rugged steel welded frame with hydraulic accumulator return for 30% faster cycle times.
- ▶ Intelligent safety system featuring photoelectric guards + emergency stop buttons + auto-lift backgauge.
- ▶ Industry-first cutting line illumination + ball-bearing front tables for scratch-free material handling



-  Precision Swing Beam Cutting
-  Power Adjustable Rake Angle Control
-  Hydraulic Overload Protection
-  CNC Control Options (ESTUN / Delem)



Electrical Parts



Main Motor



Hydraulic Valve

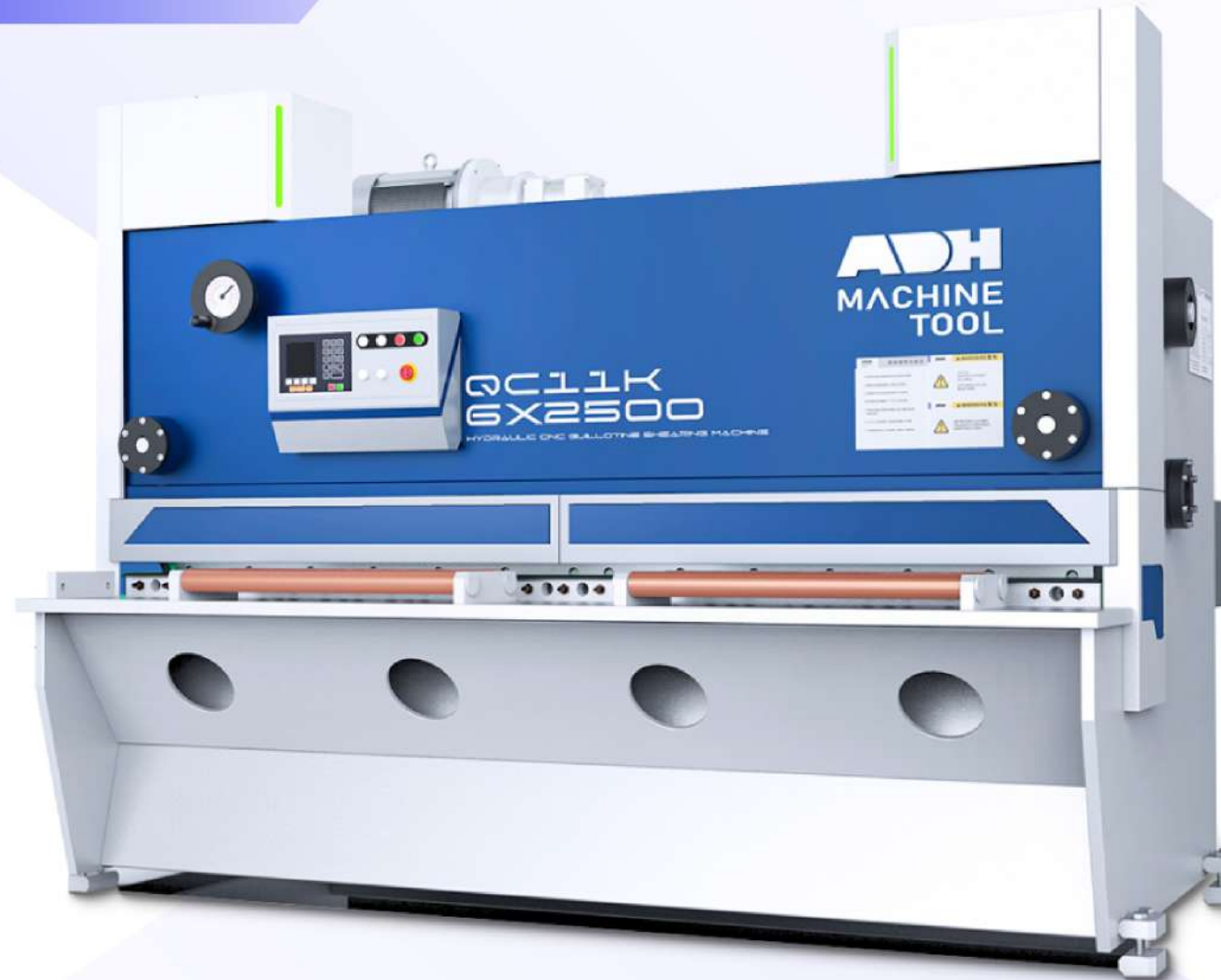


Control System

Guillotine Shearing Machine

Q11K Series

- Full welded steel structure with vibration stress relief delivers exceptional rigidity and stability for precision cutting up to 40mm thickness.
- Intelligent automation package - Auto-adjusts blade gap (0.05-4mm) and shear angle (1°-3.5°) based on material thickness via Delem DAC360T CNC system.
- Premium hydraulic system integrates Rexroth valves and electro-hydraulic proportional control for 15% faster cycle times and 30% lower energy consumption.
- Comprehensive safety suite includes dual light curtains, emergency stop footswitch, and mechanical guards compliant with ISO 13849 PLd safety standards.



- Motorized / Automatic Shear Angle Adjustment
- Motorized / Automatic Blade Gap Adjustment
- Delem DAC360T Touchscreen CNC System
- Precision Servo Backgauge



Electrical Parts



Motor



Hydraulic Valve



Control System

| Swing Beam Shear Controller



ESTUN E21S

- Backeauge control
- Control ordinary motor or frequency converter
- Intelligent positioning
- Dual programmable digital output
- Workpiece counting
- 40 program storage, 25 steps per program
- One-sided positioning
- Retraction function
- One-click parameter backup and recovery
- Metric/imperial system



ESTUN E200PS

- High-definition LCD display, 128x64 pixels.
- Control of backgauge.
- Control of blade gap.
- Control of cutting stroke.
- Synchronization display of actual backgauge position with programmed value.
- Cutting count.
- 100 program steps.
- Panel-mounted installation.
- Servo control / Variable frequency speed control / Dual-speed AC motor control.



DELEM DAC-310T

- High-definition LCD display, 128x64 pixels.
- Control of backgauge.
- Control of blade gap.
- Control of cutting stroke.
- Synchronization display of actual backgauge position with programmed value.
- Cutting count.
- 100 program steps.
- Panel-mounted installation.
- Servo control / Variable frequency speed control / Dual-speed AC motor control.

| Guillotine Shear Controller



ESTUN E21S

- Backeauge control
- Control ordinary motor or frequency converter
- Intelligent positioning
- Dual programmable digital output
- Workpiece counting
- 40 program storage, 25 steps per program
- One-sided positioning
- Retraction function
- One-click parameter backup and recovery
- Metric/imperial system



ELGO P40T

- TFT touch display with manual/single-set operation
- Material-dependent gap/angle/pressure algorithms
- I 2A digital & analog capacity
- Program memory
- Cut automat function

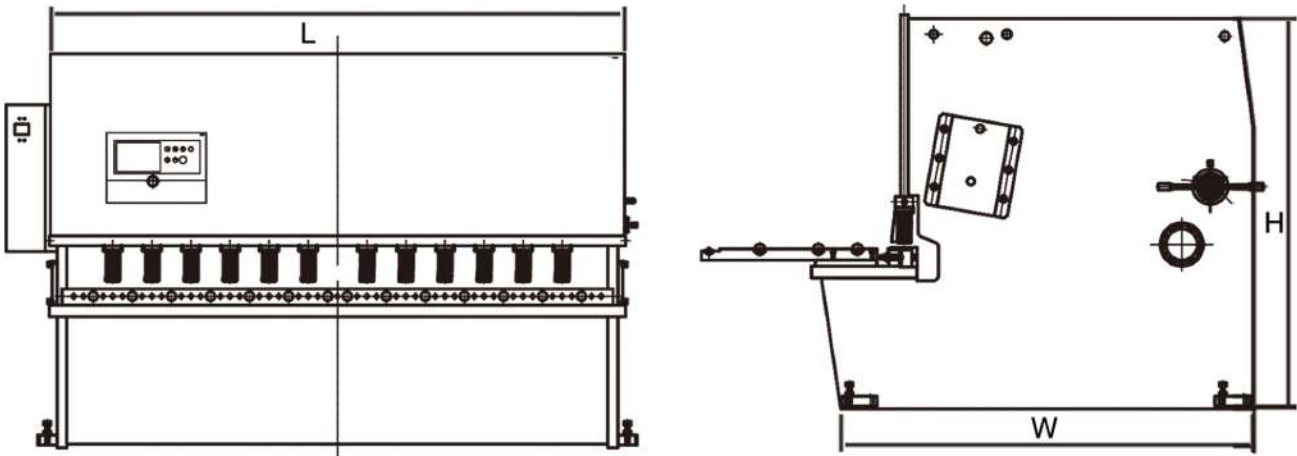


DELEM DAC-360T

- Panel Installation
- High-Brightness LCD Display
- Backgauge Control
- Retract Function
- Shear Angle Control
- Shear Clearance Control
- Shear Stroke Control
- Manual Axis Movement
- Pressure Control

Specifications

QC12K Swing Beam Shearing Machine

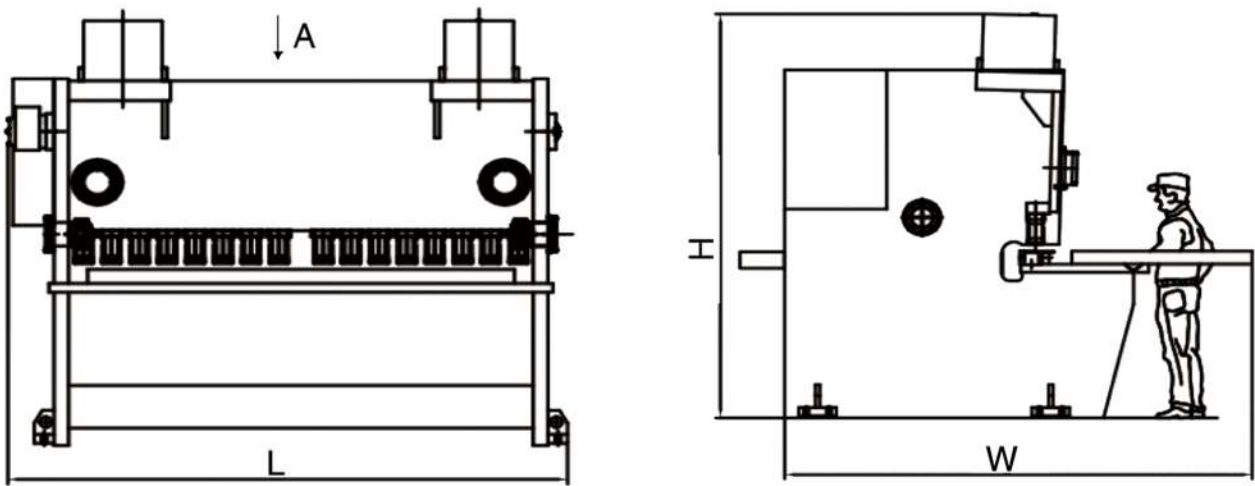


Model	Cutting Thickness	Cutting width	Oil Tank	Stroke	Backgauge range	Cutting Angle	Main Power	Pump	Weight	Dimensions
Unit	mm	mm	L	times/min	mm	°	KW	ml/r	Ton	L×W×H mm
4*2500	4	2500	140	33	20-650	1.5	7.5	25	3.7	3035*1570*1720
4*3200	4	3200	190	26	20-650	1.5	7.5	25	5.8	3750*1640*1850
4*4000	4	4000	190	23	20-800	1.5	7.5	25	7.9	4550*1900*1900
4*5000	4	5000	320	16	20-800	1.5	7.5	25	8.9	5700*1900*2000
4*6000	4	6000	440	12	20-800	1.5	15	32	17.9	6500*2460*2250
6*2500	6	2500	190	17	20-650	2	7.5	25	5.8	3050*1650*1900
6*3200	6	3200	190	17	20-650	1.5	7.5	25	6.8	3750*1650*1900
6*4000	6	4000	190	15	20-800	1.5	7.5	25	8.6	4550*2000*2000
6*5000	6	5000	320	11	20-800	1.5	15	32	14.2	5700*2450*2300
6*6000	6	6000	440	8	20-800	1.5	15	32	20.5	6550*2470*2500
8*2500	8	2500	190	13	20-650	2	11	32	6.1	3060*1650*1900
8*3200	8	3200	190	13	20-650	1.5	11	32	7.1	3760*1650*1900

Model	Cutting Thickness	Cutting width	Oil Tank	Stroke	Backgauge range	Cutting Angle	Main Power	Pump	Weight	Dimensions
Unit	mm	mm	L	times/min	mm	°	KW	ml/r	Ton	L×W×H mm
8*4000	8	4000	190	12	20-800	1.5	15	32	9.2	4560*1960*1920
8*5000	8	5000	320	10	20-800	1.5	18.5	40	13.4	5600*2360*2180
8*6000	8	6000	440	9	20-800	1.5	18.5	40	21.5	6600*2450*2500
10*2500	10	2500	190	13	20-800	2	15	32	7.4	3050*2000*1920
10*3200	10	3200	190	13	20-800	1.5	15	32	8.9	3800*2000*1920
10*4000	10	4000	400	9	20-800	1.5	22	50	12.4	4700*2100*2200
10*6000	10	6000	440	6	20-800	1.5	22	50	28.9	6600*2100*2300
12*2500	12	2500	400	12	20-800	2	22	50	10.3	3170*2150*2180
12*3200	12	3200	400	10	20-800	2	22	50	11.8	3800*2150*2180
12*4000	12	4000	400	8	20-800	1.75	22	50	14.0	4700*2280*2200
12*5000	12	5000	440	6	20-800	2	30	63	20.0	5800*2450*2400
12*6000	12	6000	440	5	20-800	2	30	63	32.6	6600*2600*2700
16*2500	16	2500	400	13	20-800	2.5	22	50	11.6	3250*2300*2200
16*3200	16	3200	400	10	20-800	2	22	50	13.2	3870*2300*2180
16*4000	16	4000	600	9	20-800	1.75	22	50	17.9	4700*2575*2200
16*5000	16	5000	600	7	20-800	2.5	30	63	25.2	5900*2600*2700
16*6000	16	6000	600	5	20-800	2.5	30	63	38.6	6600*2700*2900
20*2500	20	2500	500	8	20-800	2.5	30	80	15.0	3300*2580*2300
20*3200	20	3200	500	7	20-800	2.5	30	80	16.6	4150*2600*2500
20*4000	20	4000	550	5	20-800	2.5	30	80	24.2	4850*2600*2800

Specifications

Q11K Guillotine Shearing Machine



Model	Cutting Thickness	Cutting width	Oil Tank	Stroke	Backgauge range	Cutting Angle	Main Power	Pump	Weight	Dimensions
Unit	mm	mm	L	times/min	mm	°	KW	ml/r	Ton	mm
6*2500	6	2500	300	16-25	20-800	30°-1°30'	7.5	20	6.0	3200*1950*2050
6*3200	6	3200	300	14-20	20-800	30°-1°30'	7.5	20	6.9	3900*1950*2075
6*4000	6	4000	340	12-17	20-800	30°-1°30'	7.5	20	8.3	4640*2000*2100
6*5000	6	5000	340	8-14	20-800	30°-1°30'	11	32	14.7	5780*2100*2380
6*6000	6	6000	340	7-12	20-800	30°-1°30'	11	32	19.4	6750*2200*2500
8*2500	8	2500	300	13-20	20-800	30°-1°30'	11	32	6.5	3150*1970*2055
8*3200	8	3200	300	11-18	20-800	30°-1°30'	11	32	7.8	3850*2050*2100
8*4000	8	4000	340	9-16	20-800	30°-1°30'	15	32	10.9	4650*2100*2400
8*5000	8	5000	350	8-15	20-800	30°-1°30'	15	32	16.3	5700*1950*2600
8*6000	8	6000	580	7-14	20-800	30°-1°30'	15	40	22.6	6750*2250*2615
13*2500	13	2500	405	10-20	20-800	30°-2°	22	63	8.0	3250*1950*2110

Model	Cutting Thickness	Cutting width	Oil Tank	Stroke	Backgauge range	Cutting Angle	Main Power	Pump	Weight	Dimensions
Unit	mm	mm	L	times/min	mm	°	KW	ml/r	Ton	mm
13*3200	13	3200	405	9-18	20-800	30°-2°	22	63	10.5	3900*2070*2315
13*4000	13	4000	405	8-16	20-800	30°-2°	22	63	14.2	4800*2150*2460
13*5000	13	5000	505	7-14	20-1000	30°-2°	22	63	23.1	5800*2270*2800
13*6000	13	6000	1020	6-12	20-1000	30°-2°	37	80	28.4	6950*2450*3050
16*2500	16	2500	475	9-18	20-800	30°-2°30'	22	63	9.8	3280*2020*2270
16*3200	16	3200	475	8-17	20-800	30°-2°30'	22	63	12.8	3950*2150*2450
16*4000	16	4000	595	7-15	20-800	30°-2°30'	22	63	15.8	4800*2130*2550
16*5000	16	5000	595	5-11	20-800	30°-2°30'	30	63	23.6	5810*2330*2780
16*6000	16	6000	1020	6-11	20-1000	30°-2°30'	37	80	34.1	7000*2500*3000
16*8000	16	8000	2060	4-8	20-1000	30°-2°30'	45	100	65.1	9050*3180*3500
20*2500	20	2500	510	7-16	20-800	30°-3°	30	63	13.1	3200*2220*2520
20*3200	20	3200	510	6-15	20-800	30°-3°	30	63	15.5	3950*2150*2600
20*4000	20	4000	640	6-14	20-800	30°-3°	37	80	21.7	4750*2400*2900
20*6000	20	6000	1500	5-11	20-1000	30°-3°	30*2	63*2	46.2	7000*2850*3350
25*2500	25	2500	750	5-14	20-800	30°-3°30'	37	80	15.8	3270*2000*2650
25*3200	25	3200	820	5-10	20-800	30°-3°30'	37	80	19.4	3970*2200*2670
25*4000	25	4000	1200	5-8	20-800	30°-3°30'	45	100	27.3	4900*2800*3190
30*2500	30	2500	780	5-12	20-1000	30°-3°	45	100	22.6	3450*2500*2900
30*3200	30	3200	1000	4-10	20-1000	30°-3°	45	100	28.4	4150*2700*2850
30*4000	30	4000	1400	3-7	20-1000	30°-3°30'	55	125	36.8	5200*2600*3350
40*2500	40	2500	1370	4-8	20-1000	30°-4°	55	125	38.3	4000*2950*3150

Press Arm

Panel Bender

PB-M Series

- ▶ Fully servo-electric drive system ensures exceptional precision, repeatability, and energy efficiency (operates without hydraulics).
- ▶ Press arm mechanism delivers exceptional bending force and stable material support for consistent, high-quality, distortion-free results.
- ▶ Versatile processing allows for complex shapes (including up/down folds) without dedicated molds across various materials (up to 2500x1250mm).
- ▶ Advanced 15-axis concurrent linkage control system enables smooth, synchronized movements and facilitates user-friendly operation.



High-Speed Operation



Mold-Free Complex Profile Bending



Multi-Material Capability



Noise Level Approximately 50dB



Cast Iron bed



Ball Screw



Powered Hemming Tool



Control System

Automatic tool change Panel Bender

PB-A Series

- ▶ Achieves mold-free bending of complex shapes (arcs, angles, irregular forms) with 0.01-degree angular resolution.
- ▶ Industry-first 0.5-second automatic tool change system with patented modular blade technology.
- ▶ Full Industry 4.0 integration featuring cloud-based monitoring and robotic loading/unloading compatibility.
- ▶ High-efficiency operation with 0.2-second bending speed per stroke and 22-axis synchronized motion control.



-  Four-Sided Modular Blade System
-  Servo-Driven 22-Axis Synchronization
-  Real-Time Nine-Axis Motion Control
-  Patented Automatic Tool Magazine



Toolings



Ball Screw



Workbench



Control System

Specifications

PB-M Press Arm Type Panel Bender

Item	PB-M1600	PB-M2100	PB-M2600	PB-M3200
Maximum bending thickness (mm) : 304 stainless steel	1.5	1.5	1.5	1.5
Maximum bending thickness (mm) : cold plate	2	2	2	2
Maximum bending thickness (mm) : Aluminum plate	3	3	3	3
Fastest bending speed (s/)	0.2	0.2	0.2	0.2
Maximum bending width (mm)	1600	2190	2610	3200
Bending height (mm)	180	180	180	180
Rated voltage (V)	380	380	380	380
Total power (KW)	≈38	≈76	≈108	≈154
Noise (dB)	≈50	≈50	≈50	≈50
Minimum material thickness (mm)	Approx 0.35	Approx 0.35	Approx 0.35	Approx 0.35
Minimum inner dimension for four-sided forming (mm)	Approx 280*180	Approx 280*180	Approx 280*180	Approx 280*180
Minimum inner dimension for two-sided forming (mm)	Approx 180	Approx 180	Approx 180	Approx 180
Maximum bending dimension (mm)	Approx 1600*1200	Approx 2190*1200	Approx 2610*1200	Approx 3200*1200
Total weight (t)	≈12	≈21	≈24	≈28
Number of axes	15	15	15	15
External dimensions: Length (mm)	4780	5650	6100	6900
External dimensions: Width (mm)	2150	2750	3250	4100
External dimensions: Height (mm)	2900	3200	3300	3500
Note: 1. M type is manual tool change. 2. Optional auxiliary blade: overall length 800 [2*(20+25+26+27+28+29+30+35+40+45+50+55)] 3. M Model: The upper creasing blade consists of a center creasing blade, an upper creasing blade, and a hinge blade; the center creasing blade is 110 wide, the hinge blade is 85 wide, and the upper creasing blade widths are 60, 45, 35, 30, 25, and 20 respectively. 4.Optional bending height up to 300mm				

Specifications

PB-A Intelligent Panel Bender

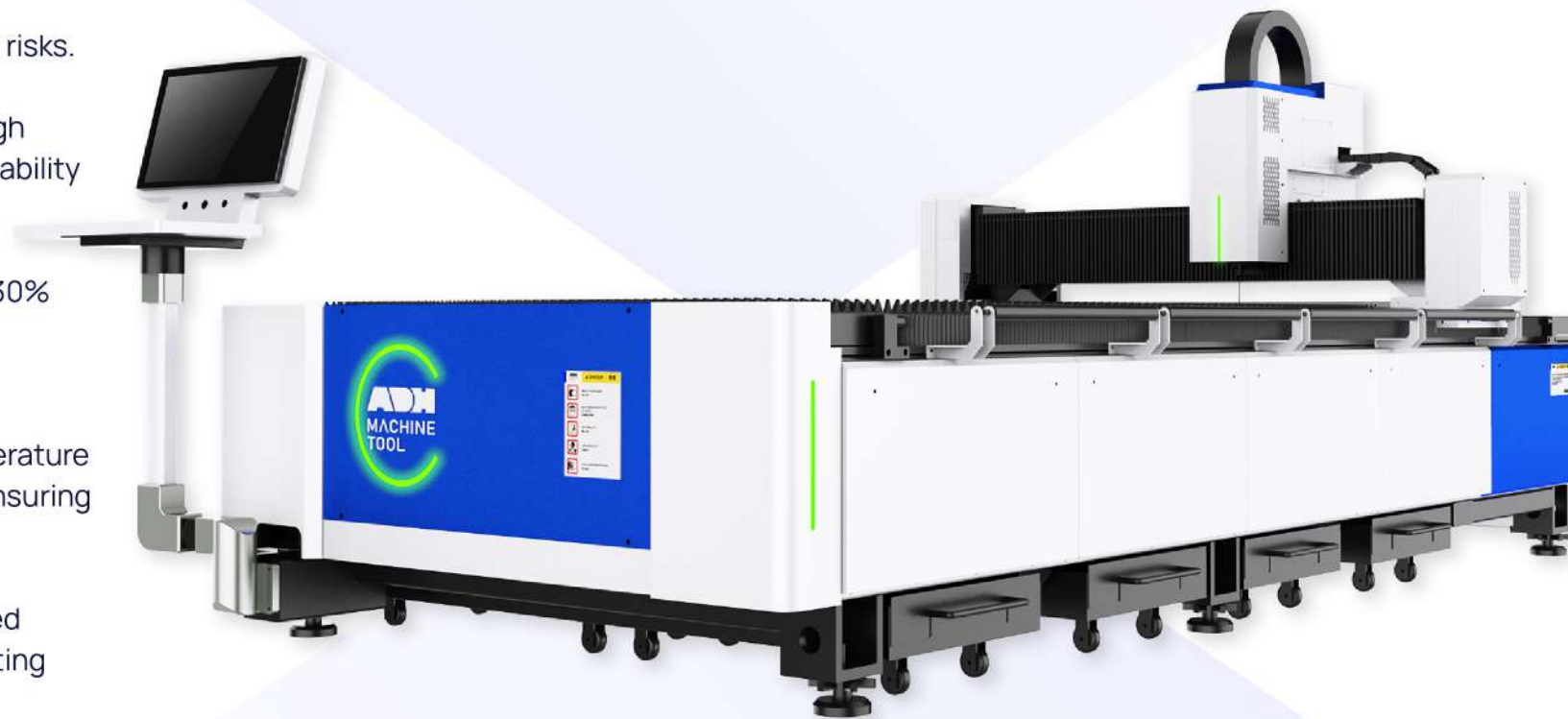
Item	PB-A1630	PB-A2190	PB-A2610
Maximum bending thickness (mm) : 304 stainless steel	1.5	1.5	1.5
Maximum bending thickness (mm) : cold plate	2	2	2
Maximum bending thickness (mm) : Aluminum plate	3	3	3
Fastest bending speed (s/)	0.2	0.2	0.2
Maximum bending width (mm)	1630	2190	2610
Bending height (mm)	200	200	200
Rated voltage (V)	380	380	380
Total power (KW)	≈44	≈89	≈118
Noise (dB)	≈50	≈50	≈50
Minimum material thickness (mm)	≈ 0.35	≈ 0.35	≈ 0.35
Minimum inner dimension for four-sided forming (mm)	≈ 370*180	≈ 370*180	≈ 370*180
Minimum inner dimension for two-sided forming (mm)	≈ 180	≈ 180	≈180
Maximum bending dimension (mm)	≈ 1600*1200	≈ 2190*1500	≈ 2610*1600
Total weight (t)	≈12	≈21	≈24
Number of axes	24	24	24
External dimensions: Length (mm)	4780	5650	6100
External dimensions: Width (mm)	2750	3650	4100
External dimensions: Height (mm)	2900	3200	3350
Note: 1. A type is for automatic tool change. 2. Optional auxiliary blade: Total length 800 [2*(20+25+26+27+28+29+30+35+40+45+50+55)]. 3. Type A model: The upper pressure knife consists of a medium pressure knife, left and right clearance knives, and a strip knife (strip knife width is 5, widest combination is 70).			

Single Table

Fiber Laser Cutting Machine

ULF Series

- ▶ Compact design with integrated electric cabinet/laser; reduces installation time, minimizing downtime and contamination risks.
- ▶ Exceptional cutting performance with high precision, rapid speed, and consistent stability for a variety of metal materials.
- ▶ Energy-efficient laser source with up to 30% photoelectric conversion rate, lowering operational costs.
- ▶ Durable mechanical bed with high-temperature annealing and stress-relief treatment, ensuring 20 years of deformation-free operation.
- ▶ Auto-focusing cutting head with patented anti-collision technology, enhancing cutting quality and process reliability.



Industry-Leading Laser Performance



Uncompromised Precision & Productivity



Unmatched Speed-to-Quality Ratio



Simplified Operation, Reduced Costs



Laser Source



Cutting Head



Crossbeam



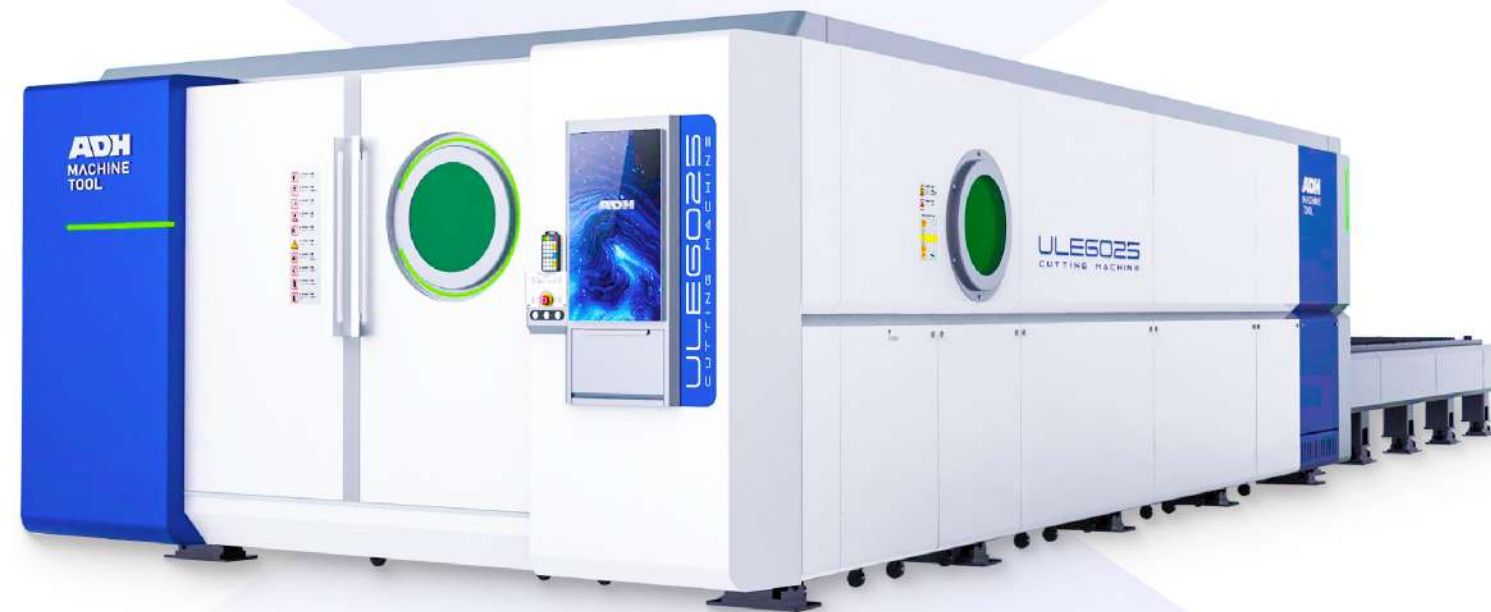
Control System

Exchange Table

Fiber Laser Cutting Machine

ULE Series

- ▶ Dual-table exchange system enables continuous cutting & loading - achieve 30%+ productivity boost with 15-second table swaps.
- ▶ Cutting speeds up to 150m/min with $\pm 0.02\text{mm}$ repeatability for precision processing of carbon steel, stainless steel, aluminum & copper.
- ▶ Heavy-duty welded bed with stress-relief treatment maintains $< 0.05\text{mm/m}^2$ flatness for 20+ years of deformation-free operation.
- ▶ Fully enclosed radiation-proof cabin with IPG/Raycus lasers (1-40kW) delivers clean cuts at 1070-1090nm wavelength.
- ▶ Intelligent Cypcut control system with 2000+ material database enables one-click parameter optimization.



High-Quality Laser Sources



Ultra-Precise Cutting Accuracy



Rapid Dual-Table Efficiency



Energy-Efficient, Easy Operation



Laser Source



Cutting Head



Crossbeam (Optional)



Control System

Integrated Fiber Laser Cutting Machine

ULFT Series

- ▶ Features a thermally stabilized, deformation-resistant machine bed and a high-rigidity, lightweight beam design for long-term stability and consistent performance in demanding environments.
- ▶ Incorporates an auto-focusing cutting head, high-speed pneumatic chucks for quick material handling, and user-friendly Cypcut control system to streamline workflow and reduce manual intervention.
- ▶ Delivers exceptional cutting accuracy with smooth edges and intricate details at rapid speeds, significantly boosting productivity and ensuring high-quality finished parts.
- ▶ Processes both flat metal sheets and various tube profiles (round, square, rectangular) within a single machine, maximizing versatility and floor space utilization.



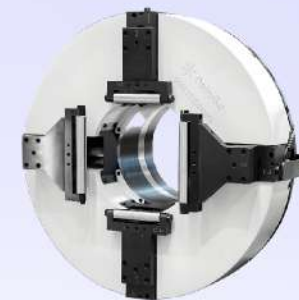
-  Dual-Function Productivity
-  Material Versatility
-  Zero-Downtime Design
-  Industry-Leading Efficiency



Laser Source



Cutting Head



Chuck

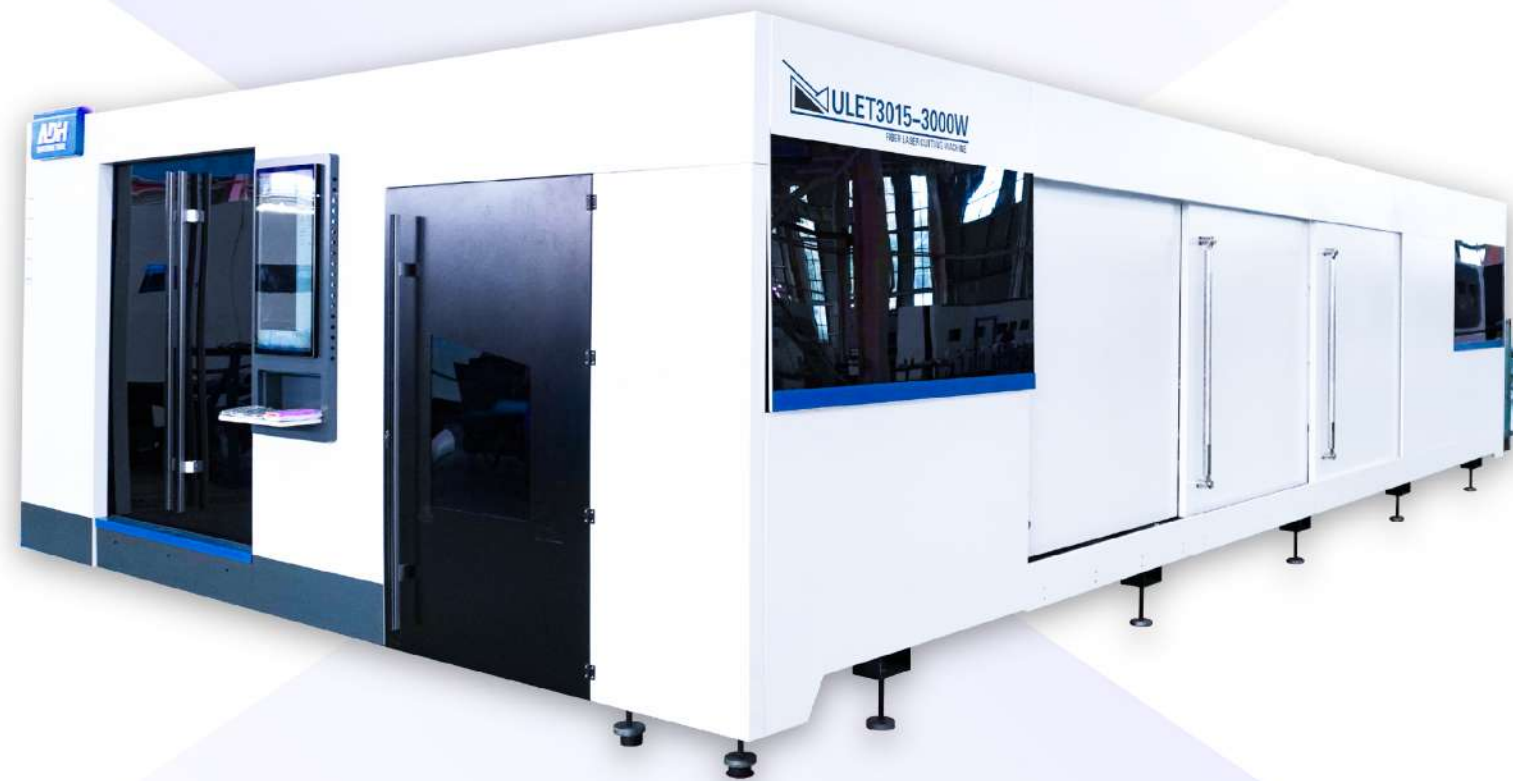


Control System

Fully Enclosed Dual-use Fiber Laser Cutting Machine

ULET Series

- ▶ Integrated sheet and tube cutting capability in a single machine enhances processing versatility and expands application potential.
- ▶ Fully enclosed design significantly improves operator safety, reduces noise levels, and helps maintain a cleaner workshop environment.
- ▶ Robust machine construction, featuring a stress-relieved annealed bed and high-rigidity beam, ensures long-term operational stability and durability.
- ▶ Features user-friendly elements like the high-speed pneumatic chuck and auto-focusing head to streamline operation and minimize setup times.



Dual-Process Cutting



90m/min HyperSpeed Cutting



Energy-Smart Operation



Fully Enclosed Safety Design



Laser Source



Cutting Head



Chuck

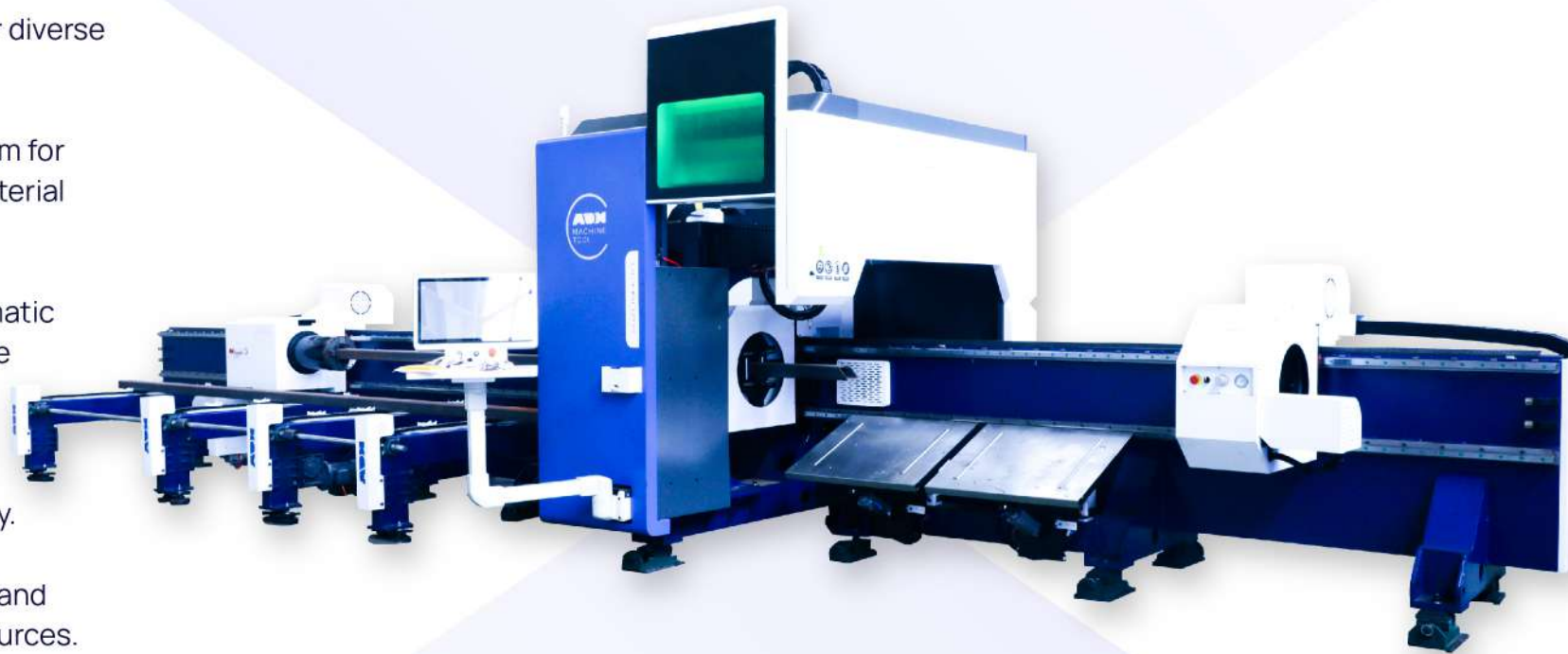


CNC Controller

Fiber Laser Cutting Machine

ULT/ULTB Series

- ▶ Enables high-speed, precise cutting for diverse tube profiles and complex designs.
- ▶ Features a dual pneumatic chuck system for full-stroke clamping and minimizing material waste.
- ▶ Includes automation options like automatic loading/unloading and nesting software integration.
- ▶ Built on a robust welded steel bed for long-term stability and cutting accuracy.
- ▶ Offers five-axis cutting for $\pm 45^\circ$ bevels and compatibility with various fiber laser sources.



- ✓ Military-Grade Structural Integrity
- ✂ Superior Cutting Accuracy
- % Maximum Material Utilization
- ⚡ User-Friendly & Energy Efficient



Laser Source



Cutting Head



Chuck



CNC Controller

| Specifications

Model	ULE/ULF	ULFT/ULET
Laser power	3KW-40KW 1.5KW-60KW	1500W-12000W
Cutting range	Length: 3m-12.5m Width: 1.5m-2.6m Length: 3m-38m Width: 1.5m-4.5m	3*1.5(m)/4*1.5(m)/6*1.5(m)/6*2.0(m)/6*2.5(m)
Maximum size of chuck	/	220mm/350mm
Plate/tube cutting length	/	3000mm/4000mm/6000mm
Maximum moving speed	150m/min 120m/min	90m/min
Maximum acceleration	1.5g 1.2g	1.2g
Positioning accuracy	±0.05mm	±0.05mm
Repeated positioning accuracy	±0.02mm	±0.02mm
Operating voltage	380V/50Hz	380V/50Hz
Cooling method	water-cooled	water-cooled

Model	ULT/ULTB
Pipe Dimensions	160mm*850mm
Tube Category	Round, Square, Oval, Rectangular, Triangle, ect..
Laser Power	1500W-40000W
Max. Acceleration	0.8G
Rotary Speed	107r/min
Positioning Accuracy	±0.03mm
Repositioning Accuracy	±0.04mm
Total Power Consumption	39KVA-54KVA
Dimensions	16500*3096*2900mm (Depending on the model)

| Samples



Laser Cutting Flexible System

FMS Series



Enhanced Batch Processing Capabilities

Supports batch processing of diverse plates.



Automated Feeding & Unloading

feeding, cutting, and unloading.



Intelligent Material Handling System

3D warehouse ensures efficient material storage & transfer.



Seamless System Integration

Syncs with production systems for operations and tracking.



Unit Warehouse + Feeding Device

Features a multi-layer 3D sheet material warehouse integrated with an automated stacker and feeding system. Highly customizable to accommodate diverse material specifications, warehouse layouts, and discharge requirements, ensuring optimized inventory control and seamless, automated material supply to the laser cutter.



Gantry Type Automatic Loading & Unloading Device

Employs a robust gantry system for rapid, reliable, and fully automatic loading of raw material sheets and unloading of cut parts. This significantly reduces manual intervention, minimizes cycle times, and maximizes the laser cutter's productivity and uptime for unattended or continuous operation.

Handheld

Laser Welding Machine

FLW Series

- ▶ Delivers precise, strong, and aesthetically pleasing welds with minimal distortion and heat-affected zones on thin metals like stainless steel, carbon steel, aluminum, brass, and copper, reducing finishing work.
- ▶ Features an integrated, all-in-one lightweight system with casters for effortless mobility and adaptability to diverse work environments, including on-site tasks.
- ▶ Offers high electro-optic conversion efficiency (>30%) for lower energy use, requires less material/labor compared to traditional methods, produces less waste, and operates without hazardous fumes, increasing workplace safety.
- ▶ Weld 2-10 times faster than traditional methods, enhancing productivity and saving substantial labor costs annually.



High-Quality Laser Core



Precision Welding Performance



Exceptional Operational Efficiency



User-Centric Design



Laser Source



Welding Head



Fiber Laser Cooling System



Control System

| Specifications

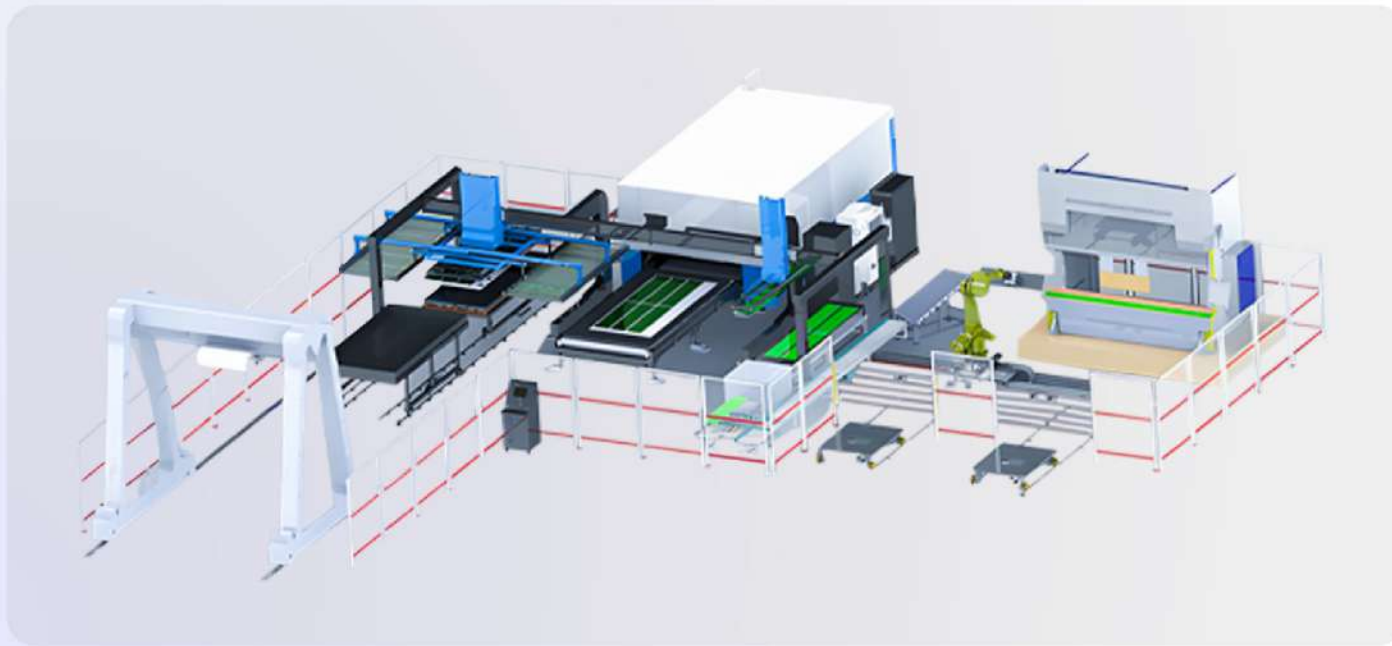
FLW Series



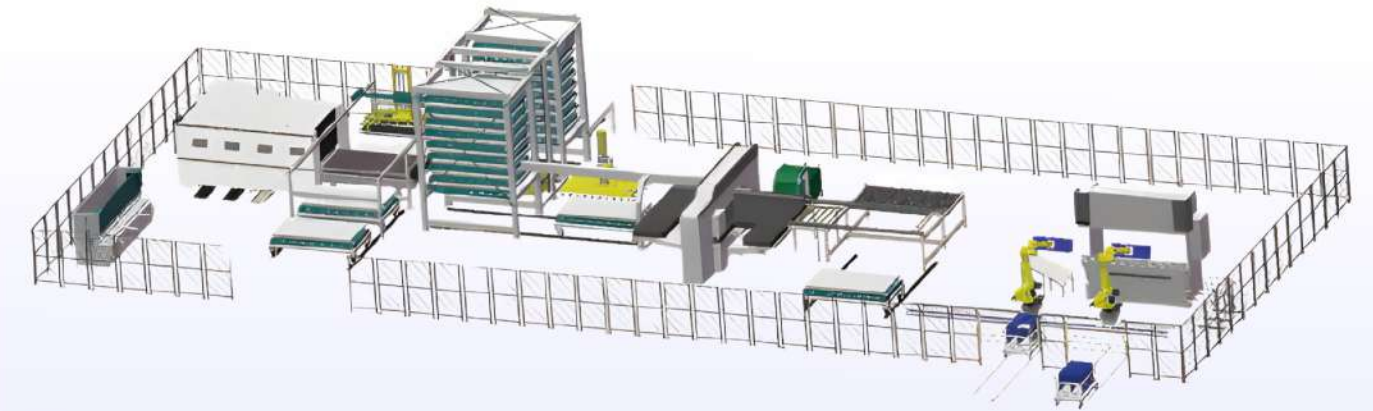
Optical characteristics	Spec.	Note
Rated output power (W)	1000-3000	
Working mode	Continuous /modulation	
Output spot	Rotary motor ring variable multi spot	
Power regulation range(%)	10-100	
Central wavelength(nm)	1080	Rated output power
		Rated output power;
Output power instability	< 3%	Continuous operation time: ≥5hrs;
		Working temperature: 25℃
Modulation frequency (Hz)	50-5k	Rated output power
Red light indicates output power (mW)	0.5-1	
QBH Optical output characteristics of output head		
Beam quality	< 2	Rated output power
(BPP, mm·mrad)		
Numerical aperture	0.2	
Fiber core diameter (μm)	50	25,100,200 Optional
Output fiber length (m)	10-15	

Intelligent Connected Production Line

Laser cutting unit & automatic bending unit

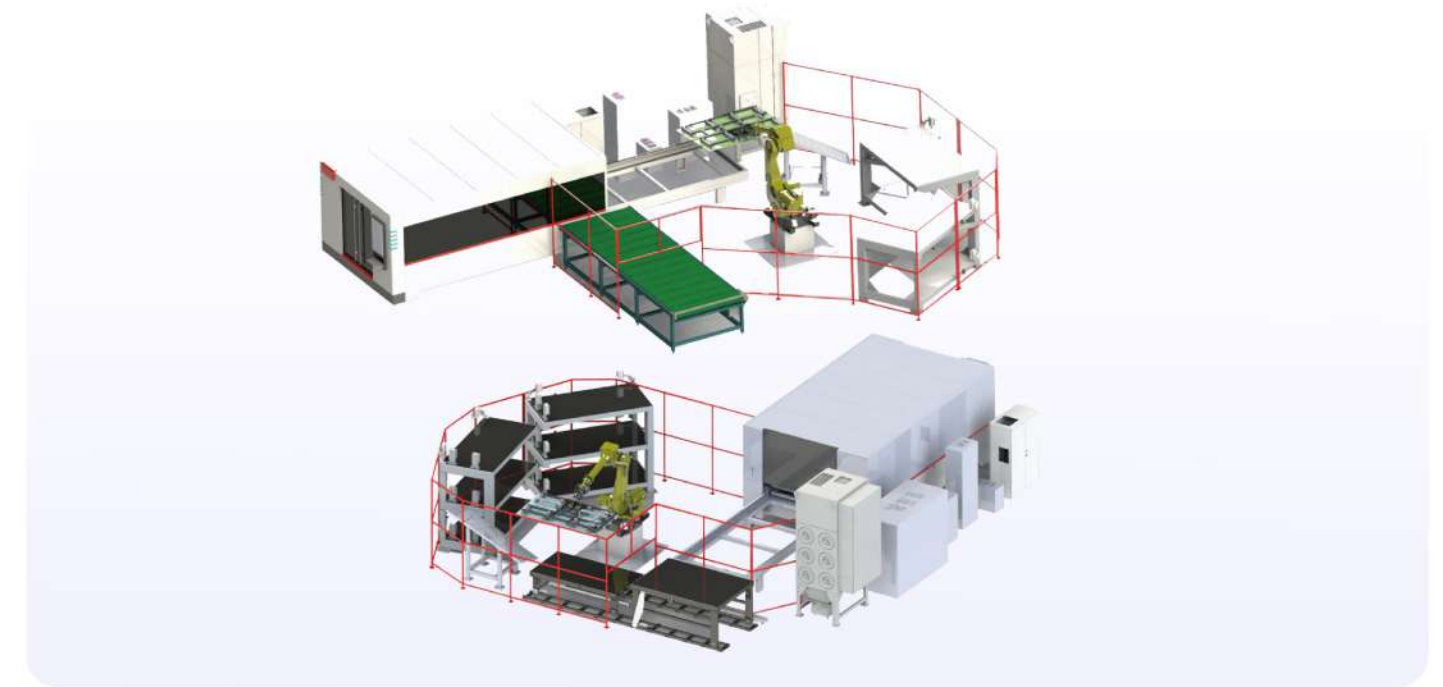


- The automated loading and unloading functionality enables cutting and bending systems to run seamlessly, enhancing production efficiency, aligning with process requirements, and significantly boosting product quality, operational efficiency, and equipment utilization while reducing production timelines.
- Automatic identification of plate thickness and separation mechanisms enhance operational safety.
- Robotic bending delivers greater precision and efficiency, functioning continuously around the clock and reducing production cycles.
- Includes integration with centralized control systems and supports Ethernet communication for seamless data exchange.
- Interfaces with ERP production management systems and MES execution systems to provide real-time updates on production data and operational conditions.
- Modular design allows for tailored production solutions to meet specific customer process needs.



Laser cutting unit & automated storage & CNC punching and shearing unit & automatic bending unit combined production line

- By utilizing warehousing as a material transfer hub, materials can be continuously fed to laser cutting and CNC punching-shearing units, automating the loading, cutting, and unloading of sheet metal. This enables laser cutting, punching-shearing, and bending systems to operate continuously 24 hours a day, significantly improving product quality and production efficiency, and shortening production cycles.



Laser cutting machine & robotic loading/unloading unit

- Automatic Laser Loading/Unloading Unit enables 24/7 unmanned operation for maximum productivity.
- Space-Optimized Design: Compact layout minimizes floor space requirements.
- Intelligent Thickness Measurement: Gripper auto-detects material thickness, eliminating the need for gripper replacements during handling.
- Seamless Workflow: Robotic unloading with automatic platform exchange streamlines material handling.

CNC

Turret Punch Press

ES30P/M30P Series

- Direct-drive servo motor punching for high accuracy and part quality.
- Stress-relieved "O"-type closed frame ensures rigidity for high-speed processing and long life.
- FANUC Oi-PD CNC with automatic tool selection and clamp protection optimizes efficiency and reduces downtime.
- Energy-efficient servo drive reduces power consumption and extends tool life via optimized stroke.
- High-accuracy turret (Amada compatible), precise positioning (ball screws/linear guides), handles complex forms.



- ⚡ 40% Energy Savings
- 👉 Easy Operation
- ⚙️ Self-Optimizing Workflow
- 🔍 Zero-Error Tool Management



Electrical Parts



Turning



Crossbeam

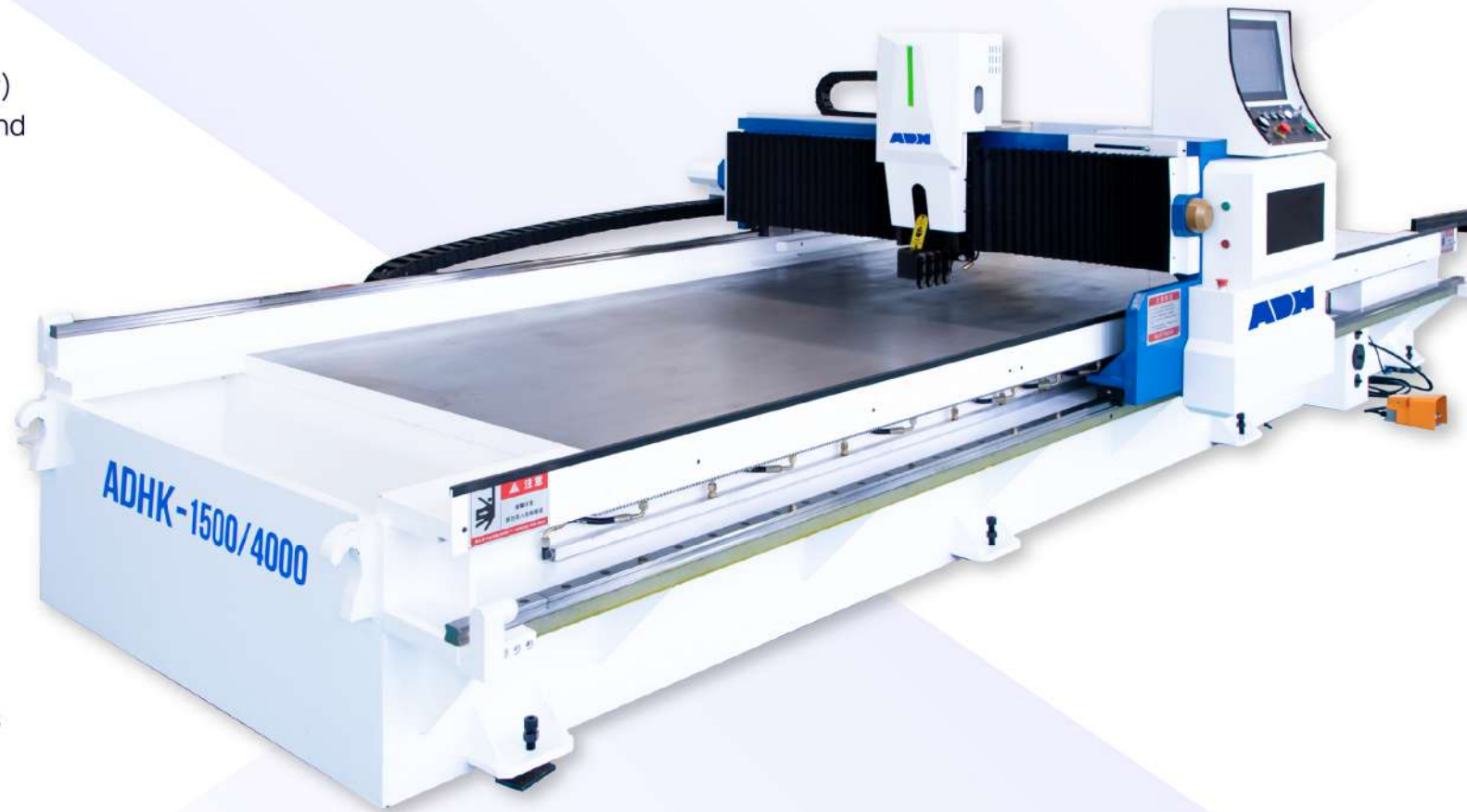


Control System

Gantry V-grooving Machine

ADHK Series

- ▶ High-precision grooving ($\pm 0.01\text{mm}$ accuracy) delivered through advanced servo control and precision ball screw mechanics.
- ▶ Fully automated 4-axis (X/Y1/Y2/Z) CNC operation enhances processing efficiency, speed (up to 90 m/min cutting), and overall productivity.
- ▶ Robust gantry frame construction using high-strength steel and a stress-relieved, tempered bed ensures exceptional rigidity and long-term durability.
- ▶ User-friendly Taiwan Easycat CNC system with an intelligent touchscreen simplifies operation, minimizes training, and optimizes workflow.



-  Ultra-High Precision
-  Industrial-Grade Durability
-  Smart Automation
-  Cutting Speed Dominance



Self-Renewing Worktable



Servo Motor



Alloy Blade



Control System

Vertical V-grooving Machine

ADRK Series

- Delivers exceptional V-grooving precision and quality ($\pm 0.01\text{mm}$ positioning accuracy) due to high stability and robust frame construction.
- Space-saving vertical design optimizes floor space, making it ideal for workshops with limited area.
- Intelligent Taiwan Easycat CNC system with touch screen ensures easy operation and reliable, efficient processing.
- Versatile processing capabilities across various metals, including stainless steel, aluminum, and copper up to 6mm thickness.



-  Superior Grooving Accuracy
-  Efficient High-Speed Operation
-  Stable and Reliable Performance
-  User-Friendly CNC Control



Backgauge



Servo Motor

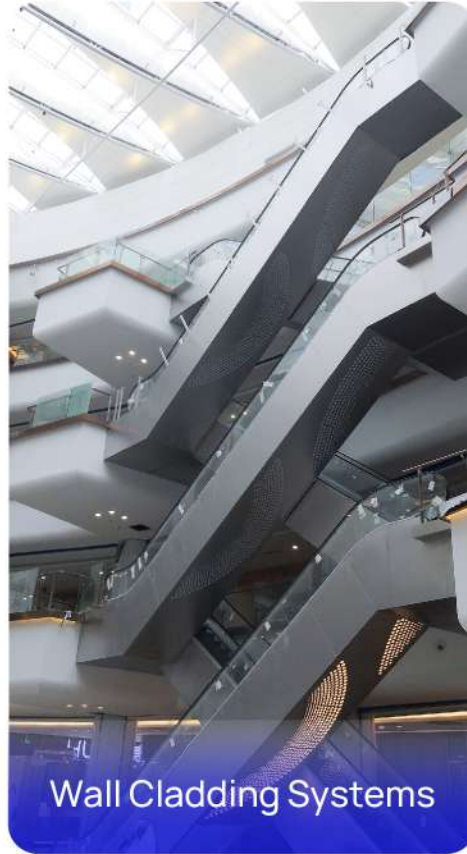


Alloy Blade

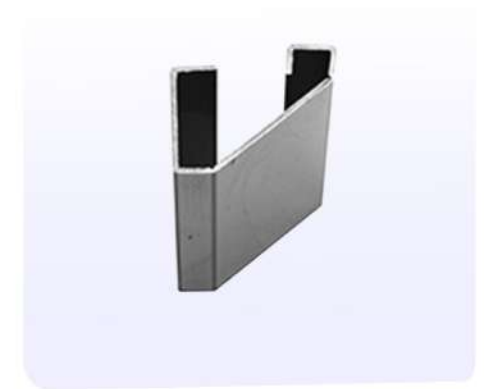
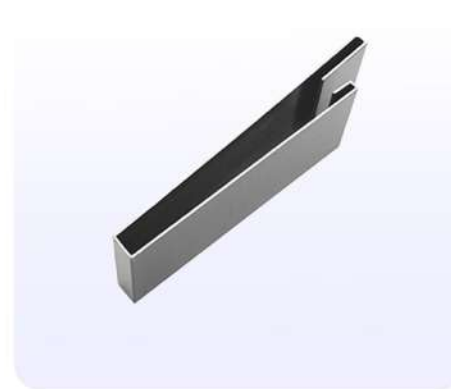
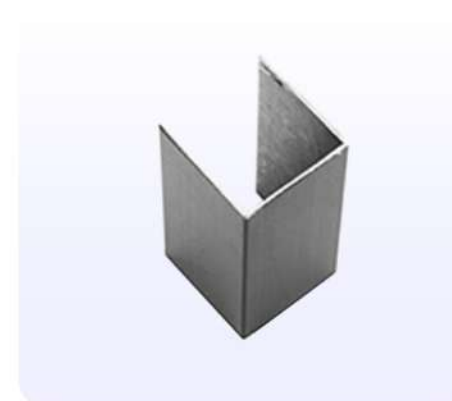
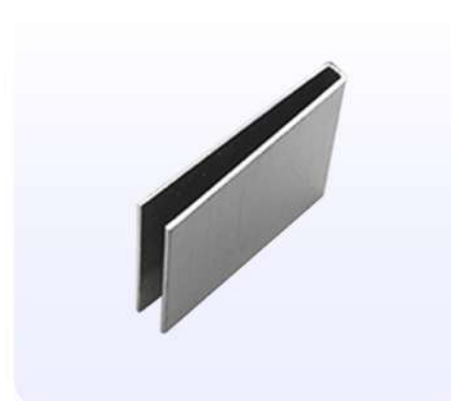
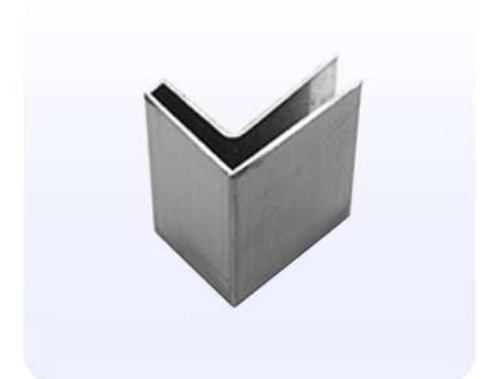
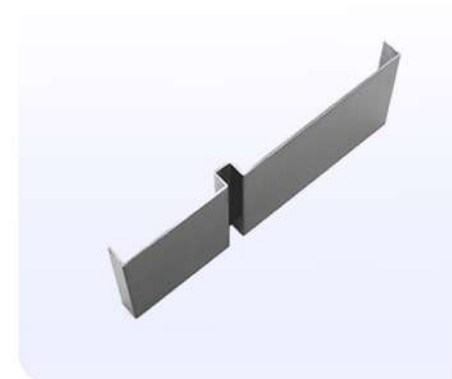
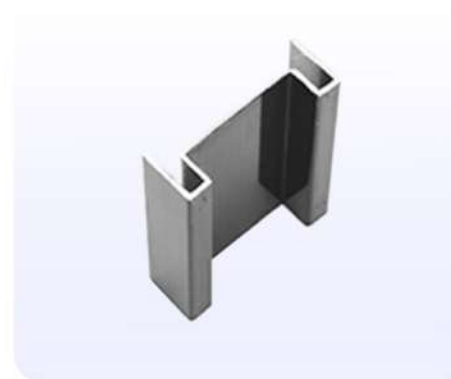
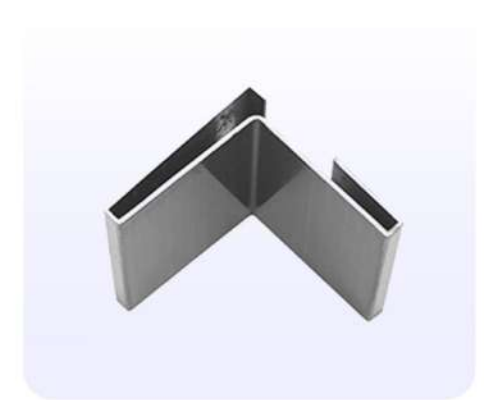


Control System

Applications



V-grooving Workpiece



| Specifications

ADHK Horizontal V Grooving Machine

Model	3200*1250	4000*1250	4000*1500	5000*1250	5000*1500	6000*1250	6000*1500
Max grooving width (mm)	1250	1250	1500	1250	1500	1250	1500
Max grooving length (mm)	3200	4000	4000	5000	5000	6000	6000
Max grooving hight (The flatness of stainless steel sheet is less than 3mm) (mm)	4	4	4	4	4	4	4
Min grooving thickness (mm)	0.4	0.4	0.4	0.4	0.4	0.4	0.4
Min distance between V-groove and edge (mm)	8	8	8	8	8	8	8
Max cutting speed m/min	0-90	0-90	0-90	0-90	0-90	0-90	0-90
Return speed	0-120	0-120	0-120	0-120	0-120	0-120	0-120
Left and right movement resolution of tool rest (mm)	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Positioning accuracy (mm)	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
Up and down movement resolution of tool rest (mm)	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Positioning accuracy (mm)	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01
Power of main servo motor (kw)	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Hydraulic system working pressure (Mpa)	7-9	7-9	7-9	7-9	7-9	7-9	7-9
Machine size (L*W*H)	5300*2300*1700	6100*2300*1700	6100*2600*1700	7100*2300*1700	7100*2600*1700	8100*2300*1700	8100*2600*1800

| Specifications

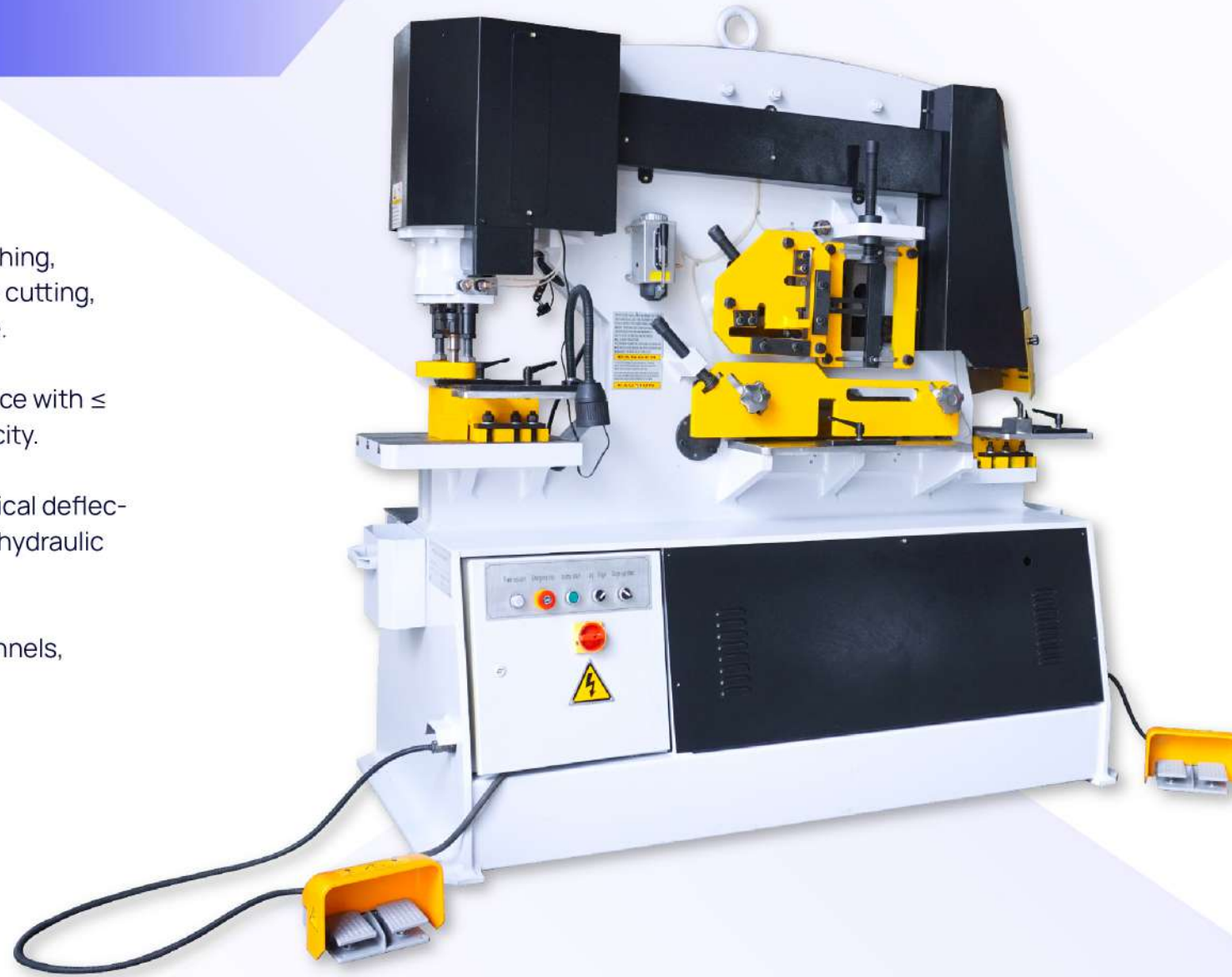
ADRK Vertical V Grooving Machine

Model	3200*1250	3200/1500	4000/1250	4000/1500
Max grooving width (mm)	1250	1500	1250	1500
Max grooving length (mm)	3200	3200	4000	4000
Max grooving hight (The flatness of stainless steel sheet is less than 3mm) (mm)	6	6	6	6
Min grooving thickness (mm)	0.4	0.4	0.4	0.4
Min distance between V-groove and edge (mm)	8	8	8	8
Max cutting speed m/min	0-90	0-90	0-90	0-90
Return speed	0-120	0-120	0-120	0-120
Left and right movement resolution of tool rest (mm)	0.001	0.001	0.001	0.001
Positioning accuracy (mm)	±0.01	±0.01	±0.01	±0.01
Up and down movement resolution of tool rest (mm)	0.001	0.001	0.001	0.001
Positioning accuracy (mm)	±0.01	±0.01	±0.01	±0.01
Power of main servo motor (kw)	4.5	4.5	4.5	4.5
Hydraulic system working pressure (Mpa)	6-8	6-8	6-8	6-8
Machine size (L*W*H)	4800*2650*2100	4800*2850*2100	5850*2650*2100	5850*2850*2100

Ironworker Machine

Q35Y Series

- Integrates 6 workstations for punching, shearing, notching, bending, angle cutting, and bar processing in one machine.
- Delivers up to 250-ton pressing force with $\leq 450\text{N/mm}^2$ material strength capacity.
- Features diamond blades, mechanical deflection compensation, and advanced hydraulic control for $\pm 0.5\text{mm}$ accuracy.
- Processes plates, angle steel, channels, I-beams, and round bars.



-  Versatile Multi-Functionality
-  High Efficiency
-  Precision Processing
-  Cost-Effective Solution



Angle Cutting Station



Punching Station



Bar Cutting Station



Notching Station

Specifications

Q35Y Series



H-steel Channel Steel Need To Be Customized

Profile	Round Bar	Square Bar	Equal Angle		T-Bar		Joist	Channel
			90°Shearing	45°Shearing	90°Shearing	45°Shearing		
Section View								
Q35YL-60	45	40x40	120x120x12	50x50x5	120x120x12	60x60x8	126x74x5	126x53x5
Q35YL-90	50	50x50	140x140x12	70x70x7	140x140x12	70x70x10	160x86x6	160x60x5
Q35YL-120	60	50x50	160x160x14	80x80x7	160x160x14	80x80x10	200x102x9	200x75x9
Q35YL-160	65	55x55	180x180x16	80x80x10	180x180x16	80x80x10	280x124x10	280x86x11
Q35YL-200	70	60x60	200x200x18	100x100x10	200x200x18	80x80x10	300x126x11	300x89x12
Q35YL-250	75	65x65	200x200x18	120x120x16	200x200x18	80x80x10	320x130x10	300x90x12

Parameter Of Multi-function Hydraulic Ironworker

Model	Q35Y-50	Q35Y-60	Q35Y-90	Q35Y-120	Q35Y-160	Q35Y-200	Q35Y-250
Pressure(T)	50	60	90	120	160	200	250
Max. Shearing Thickness(mm)	12	16	20	25	30	40	50
Material Strength(N/mm²)	≤450	≤450	≤450	≤450	≤450	≤450	≤450
Shearing Angle(°)	7°	7°	8°	8°	8°	8°	8°
Max. Shearing Size per Stroke (Thickness x Width) (mm)	300x12	16x250 8x400	20x330 10x480	25x330 16x600	30x335 20x600	35x400 25x700	40x400 30x750
Ram Stroke(mm)	35	80	80	80	80	80	80
Strokes per Minute	10-18	9-25	12-28	12-28	12-28	10	10
Throat Depth(mm)	115	300	355	400	600	600	600
Max. Punching Thickness(mm)	12	16	20	25	28	35	40
Max. Punching Diameter(mm)	25	25	30	35	28	40	40
Main Motor(KW)	4	5.5	7.5	11	11/15	15/18.5	18.5/22
Overall Dimensions (LxWxH) (mm)	950x550x1800	1640x730x1770	1860x800x1900	2355x960x2090	2680x1040x2300	2970x1240x2350	3000x1440x2450