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Hydraulic Press Brake / Hydraulic Shearing Machine
Fiber Laser Cutting Machine / Iron Worker / Rolling Machine

ADH



ADH Plant 1



ADH Plant 2



ADH Plant 4



COMPANY PROFILE

Donghai Machine Tool Co.,Ltd is a professional manufacturer of bending machine, shearing machine, Our company is in the production of large bending machine, shearing machine ranked in the top five companies in the country-side. The factory located in China. The registered capital is 33.8 million RMB. Annual production capacity of equipment is more than 5000 sets, assets more than 300 million RMB.

Our company is in strict accordance with the ISO9001:2008 international quality system to manage. Product passed CE certification, Germany TUV certification and CQC China quality certification. We have 3 independent invention patents, 28 new patents. Donghai Machine Tool Co.,Ltd not only can meet special requirement of our customer, but also make personalized sheet metal processing equipment.

So far, Our products has sold to Europe (Russia,Poland, Germany,Ukraine) South America(Colombia, Argentina, Chile, Brazil, Peru)Middle East and Southeast Asia(India, Saudi Arabia, Egypt, Iran, Israel, Malaysia and Vietnam and so on).



FABRICATION EQUIPMENT

"ADH" brand becomes the largest, most species, and extensive network of marketing services sheet metal equipment manufacturers within the industry. Based on strong core competitiveness, the company provides high quality machine machining tools for Chinese metal manufacturing high quality sheet metal processing equipment.



CNC Hydraulic Press Brake in stock



Heavy Duty CNC Horizontal Boring and Milling Machine

Heavy Duty CNC Horizontal Boring and Milling Machine

CNC Machine Center



Annealing Temper Furnace



Shot Blasting Machine

WAD SERIES

CNC PRESS BRAKE

Standard Equipment

- Y1, Y2 precision ram positioning
- X Axis Back Gauge
- Large Open Height, Stroke, & Throat Depth
- Back Gauge - Motorized and Linear Guide & Ball Bearing System
- DELEM DA-58T CNC Control Unit
- CNC controlled Motorized Crowning Table
- Quick release clamping
- Front sheet support arms with full-length linear guide, T-slot
- Protective covers (side and rear safety doors)
- Rear work LED light
- World-class hydraulic and electronic components
 - Hydraulic blocks and valves (Hoerbiger)
 - Hydraulic pump (Voith)
 - Electronics system (Schneider)

Optional Equipment

- Multi axis
- ESA, Cybelec or Delem advanced system is available
- Safety Laser DSP or Fisler is available
- Customized bending tools is available





Quick Clamping

- High precision and fast clamping system
- Fast and easy to change the tooling efficiently



Amada Type Double V Tooling

- Die can be changed quickly
- High precision
- Suitable for bending complex flanging
- Single V is available



Front Support Arms

- Front support arms can be moved horizontally, adjusted the height manually

Backgauge With Double Linear Guide

- X axis driven by servo motor, travelled by ball screw and linear guide to ensure the good positioning accuracy



1 Schneider Electrics Parts

2 Optic Grating Ruler

DA-58T (DELEM)

- 2D touch-type graphics programming
- 15"high-resolution TFT true color display
- Bending calculation
- Deflection compensation device
- Servo and inverter control mode
- Advanced Y-axis control algorithm, can both control the closed loop valve and the open loop valve
- USB interface



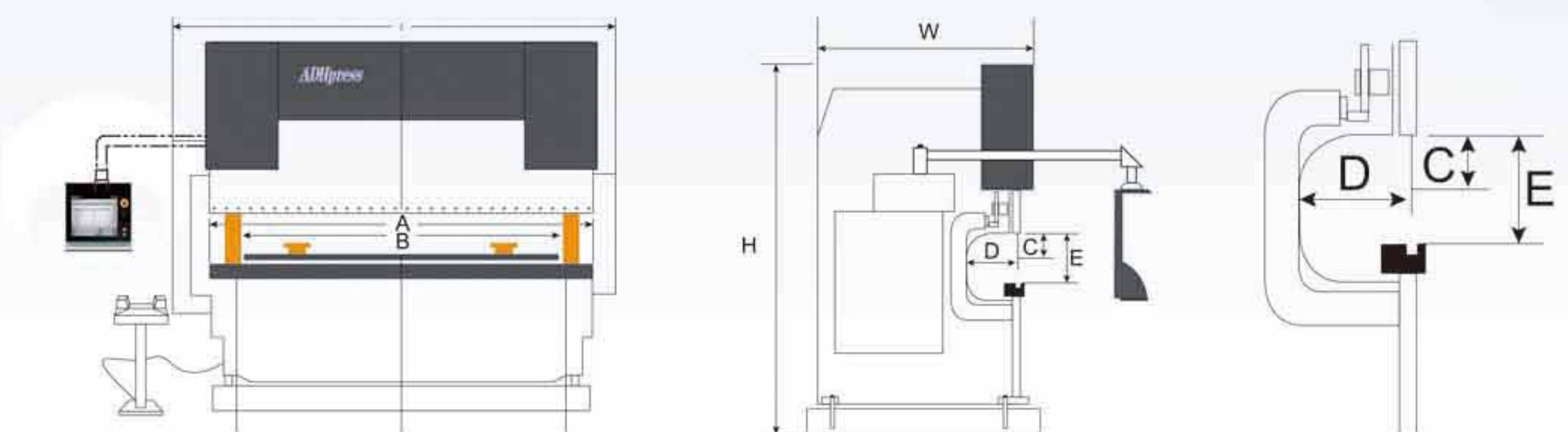
KV S630 (Italy ESA)

- High quality CNC is a economical and friendly controller to user.
- High quality graphic programming can fit for all kinds of request with easily operating.
- Manage any kinds of servo valves directly without any external assist.
- Can control 4 axes in any situation.



► CNC Mechanical Crowning Compensation Device

The V axis is compensation shaft to convex volume of manual adjustment worktable . It can obtain precise deflection compensation at the whole worktable. Convex worktable is made of convex block which with bevel. Angel of inclination of each block is decided according to deflection curve which is analyzed through slider and worktable. CNC system will calculate compensation dosage according to loading strength of bending. CNC system will automatically control movement of convex block. Through this to compensate deflection deformation and get ideal effect.



Model	Nominal Pressure(KN)	Length of Table(mm)	Distance Between Columns(mm)	Throat Depth(mm)	Stroke (mm)	Open Height (mm)	Main Motor (kW)	Overall Dimensions (L×W×H)(mm)
63t/2500	630	2500	2050	300	150	460	5.5	2700×1700×2300
63t/3200	630	3200	2700	300	150	460	5.5	3400×1700×2300
80t/2500	800	2500	2050	300	150	460	5.5	2700×1700×2400
80t/3200	800	3200	2700	300	150	460	5.5	3400×1700×2300
100t/3200	1000	3200	2700	350	200	480	7.5	3400×1800×2600
100t/4000	1000	4000	3100	350	200	480	7.5	4200×1800×2600
125t/3200	1250	3200	2700	350	200	480	11	3400×1900×2600
125t/4000	1250	4000	3100	400	200	480	11	4200×1900×2600
160t/3200	1600	3200	2700	450	200	480	15	3400×2000×2800
160t/4000	1600	4000	3100	450	200	480	15	4200×2000×2800
200t/3200	2000	3200	2600	400	200	480	18.5	3400×2200×2850
200t/4000	2000	4000	3100	400	200	480	18.5	4300×2200×2850
250t/3200	2500	3200	2600	400	250	520	22	3500×2100×3800
250t/4000	2500	4000	3100	400	250	520	22	4200×2100×3800
250t/5000	2500	5000	3800	400	250	580	22	5300×2450×4000
250t/6000	2500	6000	4600	400	250	580	22	6300×2500×4200
300t/4000	3000	4000	3200	400	250	580	22	4300×2500×3900
300t/5000	3000	5000	4000	400	250	580	22	5300×2500×4300
300t/6000	3000	6000	4600	400	250	580	22	6300×2500×4800
400t/4000	4000	4000	3200	400	250	580	30	4200×2700×4200
400t/5000	4000	5000	4000	400	250	580	30	5300×2700×4200
400t/6000	4000	6000	4600	400	250	580	30	6300×2700×4300
500t/4000	5000	4000	3200	500	250	600	37	4300×2700×4200
500t/5000	5000	5000	4000	500	250	600	37	5300×2700×4300
500t/6000	5000	6000	5050	500	300	600	37	6300×3300×4800
600t/5000	6000	5000	3800	500	320	640	45	5300×3300×4500
600t/6000	6000	6000	5050	500	320	640	45	6300×3300×5300
600t/7000	6000	7000	5300	500	320	640	45	7300×3300×5800
700t/6000	7000	6000	4900	500	320	700	55	6300×3500×5500
800t/6000	8000	6000	4600	500	320	800	55	6300×3500×6000

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WC67E SERIES

NC TORQUE BAR PRESS BRAKE

- Steel welded frame
- Standard two axis control(X,Y)
- Synchronized dual cylinder
- DELEM DA41S or ESA S525 control unit
- Hydraulic system(Germany Bosch-Rexroth)
Electrical system(France Schneider)
- X axis servo motorized backgauge, ball screw and linear guide
- Quick clamping
- Customized Bending tool is available





Punch With Quick Clamp

- High precision and fast clamping system;
- Fast and easy to change the tooling save labour and improve productivity.



Servo Motorized Backgauge

- High quality and precise back gauge
- Servo motor drives ball screw
- High speed and location precise



Finger Stop

- Move along with the ADH special backgauge linear guide, can be stopped at any position, can assist your bending work and make the work becomes comfortable and efficient.

Step Front Sheet Support Arms

- Standard front support arms
- Can adjust vertically



Schneider Electrics Parts Foot Pedal with Emergency Button



Multi-V Tooling

► Optional



Laser Protection Device



Double V Tooling



Manual Crowning System



E200P

- LCD display, 240×128
- Multiple working steps programmed at one time and executed automatically, continuous positioning
- Automatic retraction to avoid possible impacts between workpiece and backgauge
- One side positioning, screw gap is eliminated
- Inch/mm selection
- Position compensation
- Power down position memorization
- Stock counter
- Automatic searching for reference points and power down position memorization are available for customer's choice



DA41S

- Bright LCD display
- Beam stop control
- Back gauge controlAngle programming
- Tool programming
- Retract function
- Up to 100 programs
- Up to 25 bends per program
- Panel based housing
- Servo control / inverter /
- 2-speed AC control

WC67K SERIES

NC TORQUE BAR PRESS BRAKE

- Steel welded frame
- Standard two axis control(X,Y)
- Synchronized dual cylinder
- Estun E21 Control Unit
- Easy to operate
- Standard top punch in 90 degree
- Multi-V matrix





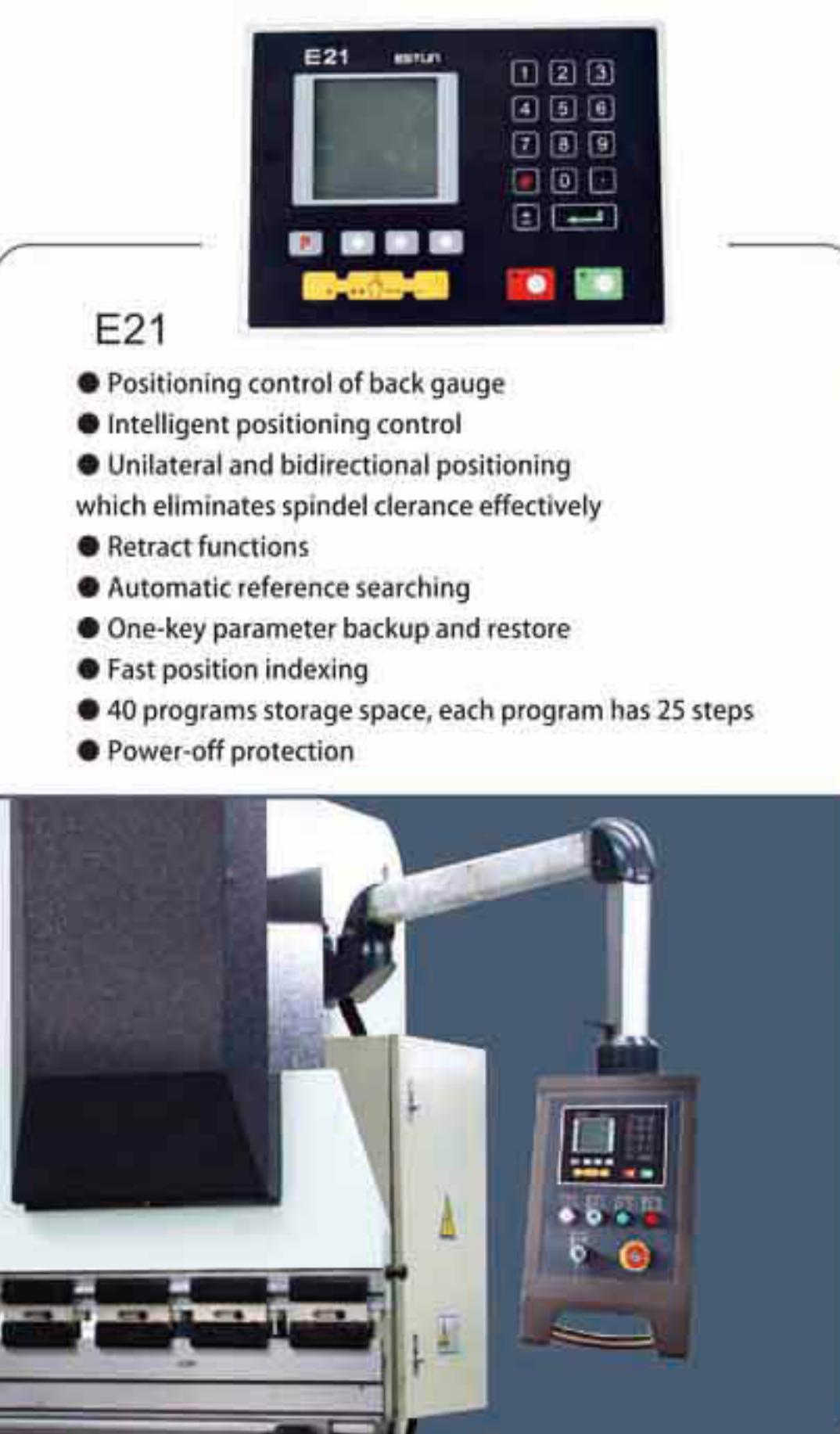
Bending Tooling

- The bending machine tooling is more durable after the whole quenching. It can be equipped with different length of customized tooling is available according to special requirement



Backgauge

- Backgauge Controlled by AC motor
- Travelling by ball screw and linear guide
- Positioning Precisely



► Optional



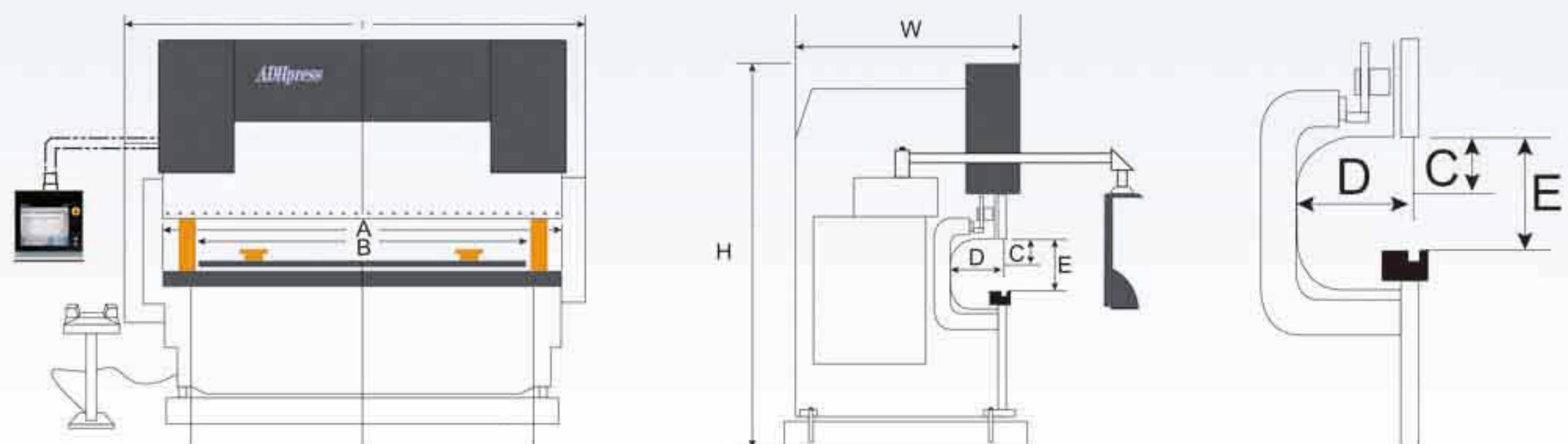
Double V Tooling



Light curtain protection



Quick Clamping



Model	Nominal Pressure(KN)	Length of Table(mm)	Distance Between Columns(mm)	Throat Depth(mm)	Stroke (mm)	Open Height (mm)	Main Motor (kW)	Weight (Kg)	Overall Dimensions (L×W×H)(mm)
30t/1600	300	1600	1304	200	80	210	3	1500	1600×800×1780
30t/2000	300	2000	1304	200	80	210	3	1800	2000×800×1780
40t/2500	400	2500	2030	250	100	340	5.5	3000	2500×1200×1900
63t/2500	630	2500	2050	250	120	340	5.5	4000	2500×1600×2200
63t/3200	630	3200	2510	250	120	340	5.5	4800	3200×1600×2200
80t/2500	800	2500	2050	250	120	350	5.5	4500	2500×1700×2250
80t/3200	800	3200	2510	250	120	350	5.5	5500	3200×1700×2300
100t/3200	1000	3200	2510	320	120	380	7.5	6500	3200×1800×2500
100t/4000	1000	4000	3100	320	120	380	7.5	7600	4000×1800×2500
125t/3200	1250	3200	2510	320	120	380	7.5	7000	3200×1850×2500
125t/4000	1250	4000	3100	320	120	380	7.5	8500	4000×1850×2500
160t/3200	1600	3200	2510	320	180	445	11	10000	3200×1900×2700
160t/4000	1600	4000	3040	320	180	445	11	11000	4000×1900×2700
160t/5000	1600	5000	3800	320	180	445	11	14000	5000×1900×3100
160t/6000	1600	6000	4600	320	180	445	11	17000	6000×1900×3300
200t/3200	2000	3200	2600	320	250	540	15	13000	3200×1950×2800
200t/4000	2000	4000	3300	320	250	540	15	14500	4000×1950×2800
200t/5000	2000	5000	3800	320	250	540	15	18500	5000×1950×3000
200t/6000	2000	6000	4600	320	250	540	15	21000	6000×1950×3300
250t/3200	2500	3200	2600	400	250	580	18.5	17000	3200×2000×3200
250t/4000	2500	4000	3300	400	250	580	18.5	18500	4000×2000×3400
250t/5000	2500	5000	3800	400	250	580	18.5	22000	5000×2000×3500
250t/6000	2500	6000	4600	400	250	580	18.5	25500	6000×2000×3600
300t/3200	3000	3200	2600	400	250	580	18.5	20500	3200×2100×3300
300t/4000	3000	4000	3300	400	250	580	18.5	22500	4000×2100×3500
300t/5000	3000	5000	3800	400	250	580	18.5	25000	5000×2100×3700
300t/6000	3000	6000	4600	400	250	580	18.5	27500	6000×2100×4000
400t/4000	4000	4000	3300	400	250	580	22	26500	4000×2200×3600
400t/5000	4000	5000	3800	400	250	580	22	31500	5000×2200×3900
400t/6000	4000	6000	4400	400	250	580	22	36000	6000×2200×4100
500t/4000	5000	4000	3300	400	250	580	30	31000	4000×2400×3500
500t/5000	5000	5000	3800	400	250	580	30	36500	5000×2400×3900
500t/6000	5000	6000	4410	500	250	580	30	43500	6000×2450×4250
500t/7000	5000	7000	5400	500	250	580	30	53000	7000×2550×4350
600t/4000	6000	4000	3300	500	320	620	37	42500	4000×2700×4700
600t/5000	6000	5000	3800	500	320	620	37	48000	5000×2700×4750
600t/6000	6000	6000	4600	500	320	620	37	53500	6000×2700×4950
600t/7000	6000	7000	5400	500	320	620	37	60000	7000×2700×5150

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Model : 2-WAD-600T/6000



Model : WAD-1200T/6000

WADF Series Heavy Duty Four-cylinder CNC Press Brake

Model	Nominal Pressure(kN)	Length of Table(mm)	Distance Between Columns(mm)	Throat Depth(mm)	Stroke (mm)	Open Height (mm)	Main Motor (kW)	Overall Dimensions (L×W×H)(mm)
500t/7000	5000	7000	3×2000	500	250	580	37	7200×2550×3800
500t/8000	5000	8000	3×2130	500	250	580	37	8200×2550×4200
600t/7000	6000	7000	3×2000	500	250	580	45	7200×2600×4000
600t/8000	6000	8000	3×2130	500	250	580	45	8200×2600×4350
600t/9000	6000	9000	2×2120+3120	500	250	600	45	9200×2600×4700
800t/6000	8000	6000	2×1500+2000	500	320	650	2×30	6200×2600×4900
800t/8000	8000	8000	3×2120	500	320	650	2×30	8200×2700×5100
800t/10000	8000	10000	3×2600	500	320	650	2×30	10200×2700×5200
800t/12000	8000	12000	3×3000	500	320	650	2×30	12200×2800×5300
1000t/8000	10000	8000	3×2100	500	320	650	2×37	8200×2800×5900
1000t/10000	10000	10000	3×2600	500	320	650	2×37	10200×2800×6100
1000t/12000	10000	12000	2×2500+4000	500	320	650	2×37	12200×2800×6400
1200t/8000	12000	8000	3×2060	600	320	800	2×45	6200×3000×5900
1200t/10000	12000	10000	3×2600	600	320	800	2×45	6200×3000×6000
1200t/12000	12000	12000	2×2500+3400	600	320	800	2×45	6200×3000×6100
1600t/10000	16000	10000	2×2400+2600	800	400	800	2×55	10200×3300×6400
1600t/12000	16000	12000	2×3000+3500	800	400	800	2×55	12200×3350×6500
2000t/10000	20000	10000	2×2400+2600	800	400	800	2×55	10500×3500×6700
2000t/12000	20000	12000	2×2500+3440	800	400	800	2×55	12500×3700×6900

Sorry no notice if parameter change!

QC12Y/K SERIES

HYDRAULIC SWING BEAM SHEARING MACHINE

- Swing Beam Design
- High Alloy Steel Shear Blade
- Manual Quick Change Blade Gap Adjustment
- Hydraulic, Electrical Overload Protection
- Automatic Swing-up on Backgauge
- Shadow Lighting
- Low Noise Gear Pump
- Support Arms Included
- Working Table with Ball Transfens





Shadow Lighting

- Aligning by light, helpful to mark out by hand to shear

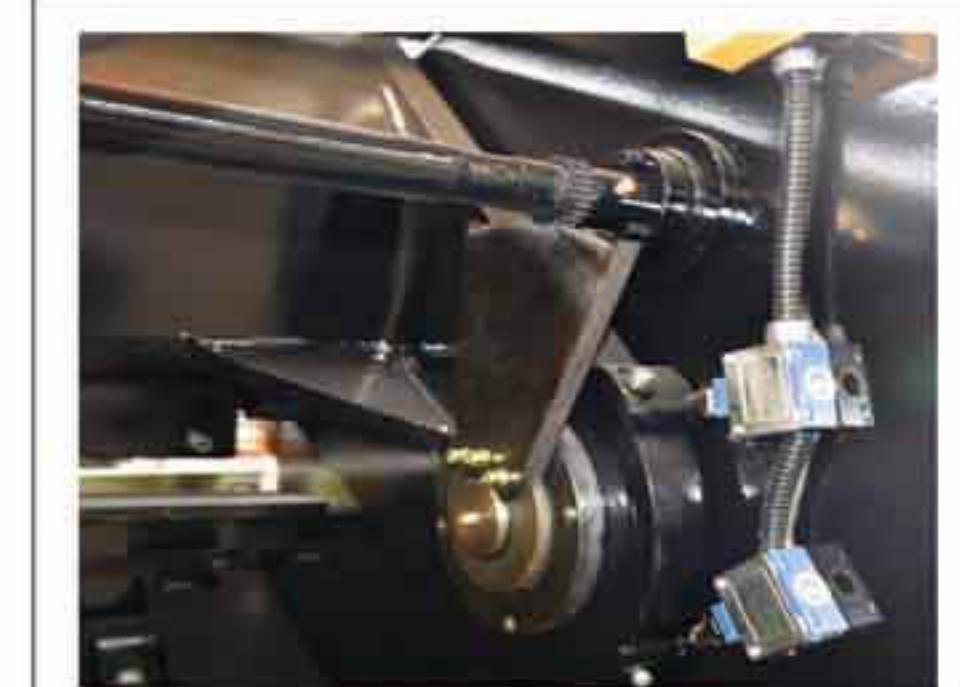
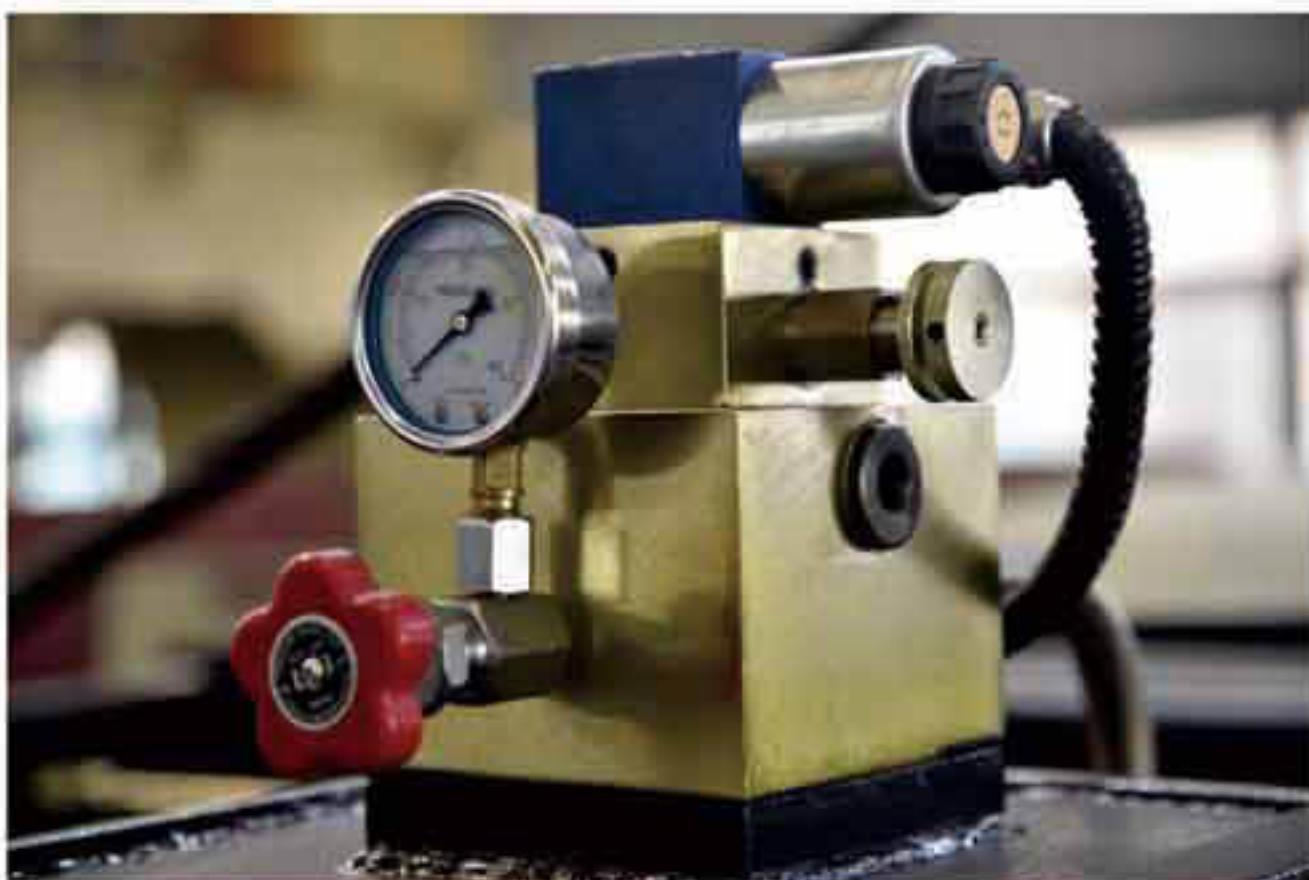


Working Table Steel Ball Transfer Structure

- Using rolling steel ball to reduce friction, ensuring the work-piece surface is not scratched and moving smoothly

Hydraulic System

- Adopting Rexroth brand integrated type hydraulic system, temperature rising slowly, ensure machine performance reliable



Manual quick change
blade gap adjustment

► Optional



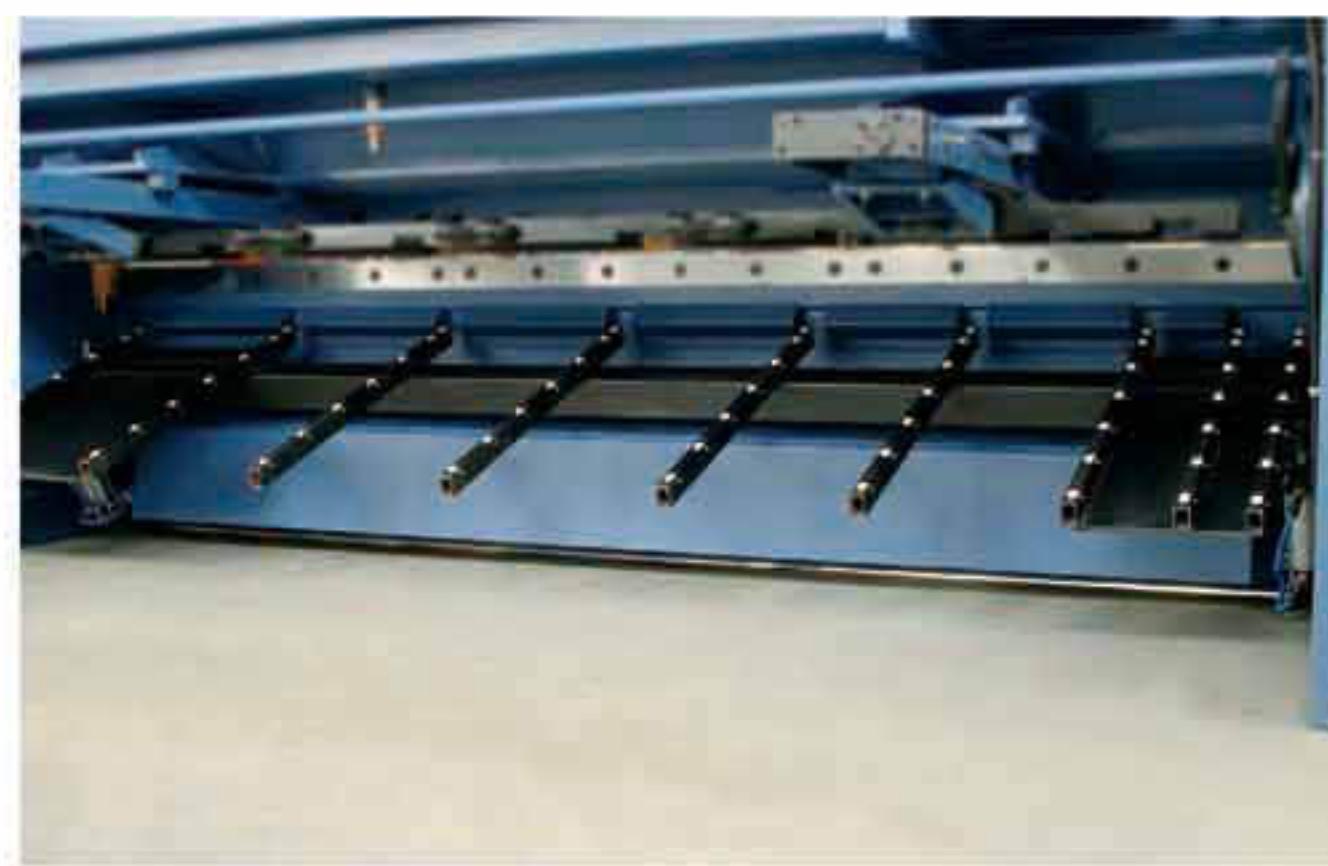
Angle Positioning Device

- The angle positioning device has a scale rod. By manually locating the lock with a fast handle and applied to shearing the irregular plate parts



Premium Backgauge

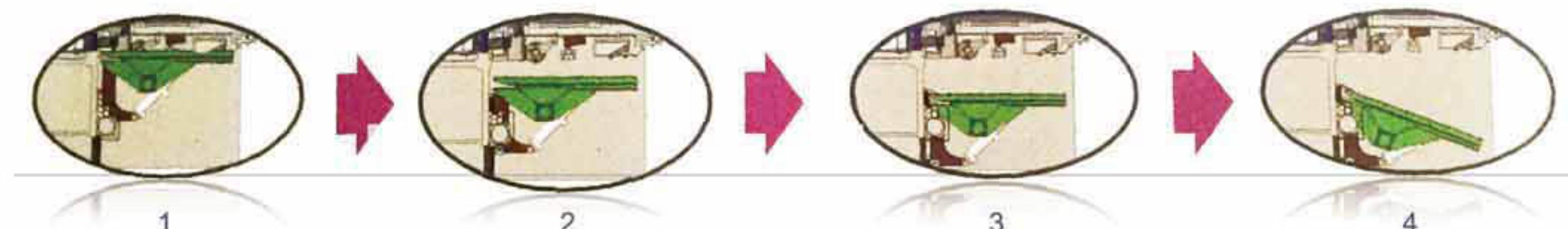
- High quality and precise back gauge
- Servo motor drives ball screw
- High speed and location precise



Pneumatic Sheet Support Device

- It can reduce the sagging deformation of the sheet when shearing, improve the cutting effect
- Back support arm movement and the upper blade frame movement of simultaneously operation, back support arm is fixed with roller on it , easy to slip out of the sheet

► Diagram of pneumatic sheep support device



Step 1: Supporting
Step 2: Drop down with upper blade frame

Step 3: Move to the end
Step 4: Unloading

► Optional Control System



- Positioning control of back gauge
- Unilateral and bidirectional
- Positioning which eliminates spindle clearance effectively
- Retract functions
- Automatic reference searching One-key parameter backup and restore
- Fast position indexing
- 40 programs storage space, each program has 25 step



- CAN-bus mode to control servo system of X axis Parts counting
- 40 programs saving, each with 25 sequences
- One side positioning
- Built-in time relay for cutting time and retrack
- One key backup/restore of parameters
- Online diagnosis and real-time alarm
- Reserved ports for safety guard



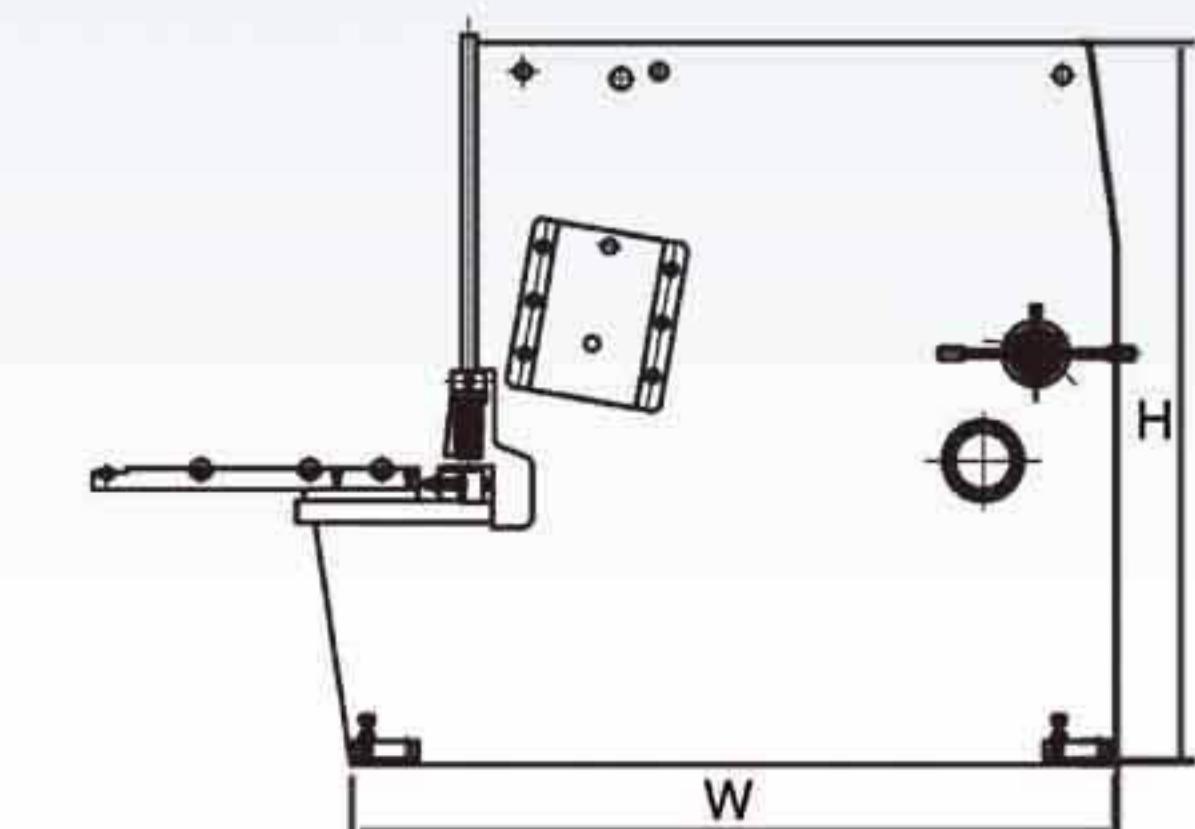
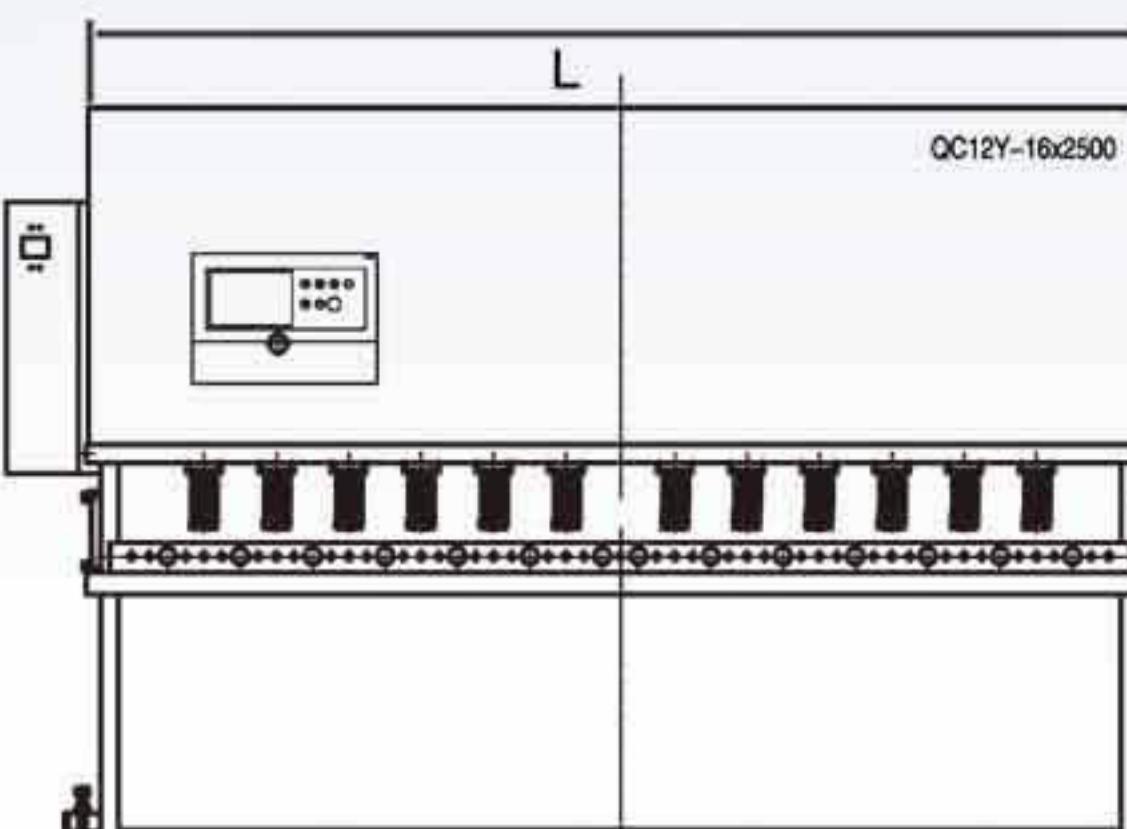
- Bright LCD 128x64 display
- Backgauge control
- Gap control
- Shear length limitation
- Actual and programmed position visualization
- Stock counter
- Programmable up to 100 steps

1. Easy to operate

International style touch screen EASY CUT page, fast to finish the cutting,
Rich interactive information, Alarm function, automatically cutting function

2. Powerful function

Automatic cutting length adjustment function;
Automatic back guage calibration/retracted function.
Pneumatic sheet support 3positions and 2positions exchange function;
Energy-saving mode function.
Wireless transmission function, easy to update the software and save the programmes.
Integrated operation button, save the cost
Particular navigation feature, easy to adjust the machine



Model	Cutting Thickness(mm)	Cutting Width(mm)	Cutting Angle (°)	Backgauge Range(mm)	Stroke Number (times/min)	Main Motor (kW)	Weight (Kg)	Overall Dimensions (L×W×H)(mm)
4×2500	4	2500	1.5	20-600	32	7.5	3500	3000×1550×1600
4×3200	4	3200	1.5	20-600	13	7.5	5500	3850×1550×1600
4×4000	4	4000	1.5	20-600	10	7.5	7500	4500×1700×1700
4×6000	4	6000	1.5	20-600	8	15	17000	6500×2100×2300
6×2500	6	2500	1.5	20-600	15	7.5	5500	3000×1700×1650
6×3200	6	3200	1.5	20-600	12	7.5	6500	3850×1700×1650
6×4000	6	4000	1.5	20-600	9	7.5	8200	4600×1850×1700
6×6000	6	6000	1.5	20-600	5	18.5	19800	6500×2400×2300
8×2500	8	2500	1.5	20-600	14	11	5800	3050×1700×1700
8×3200	8	3200	1.5	20-600	10	11	6800	3850×1700×1700
8×4000	8	4000	1.5	20-600	8	15	8800	4650×1700×1700
8×6000	8	6000	1.5	20-600	6	18.5	21500	6500×2450×2350
10×2500	10	2500	2	20-600	10	15	7000	3050×1800×1700
10×3200	10	3200	1.5	20-600	9	15	8500	3900×2000×1700
10×4000	10	4000	1.5	20-800	8	18.5	11800	4650×2450×2000
10×6000	10	6000	1.5	20-800	6	18.5	27500	6500×2450×2300
12×2500	12	2500	2	20-800	12	18.5	9800	3150×2250×2000
12×3200	12	3200	1.5	20-800	10	18.5	11600	3900×2250×2000
12×4000	12	4000	1.5	20-800	8	18.5	13800	4700×2250×2100
12×5000	12	5000	2	20-800	6	22	19000	5800×2550×2400
12×6000	12	6000	2	20-800	5	22	32500	6900×2600×2700
12×8000	12	8000	1.75	20-800	4	22	46000	8600×3250×3200
16×2500	16	2500	2.5	20-800	10	18.5	11000	3150×2250×2000
16×3200	16	3200	2	20-800	10	18.5	12600	3900×2250×2000
16×4000	16	4000	2	20-800	8	22	17300	4650×2650×2200
16×5000	16	5000	2.5	20-800	6	30	24000	5900×2600×2700
16×6000	16	6000	2.5	20-800	5	30	36800	6900×2700×2900
20×2500	20	2500	2.5	20-800	8	30	14300	3450×2600×2500
20×3200	20	3200	1.5	20-800	8	30	16000	4150×2600×2700
20×4000	20	4000	2.5	20-800	5	30	23000	4850×2600×2800
25×2500	25	2500	2.5	20-800	8	37	19000	3200×2700×2900
25×3200	25	3200	3	20-800	5	37	23000	4200×2700×3000
30×2500	30	2500	3.5	20-800	4	37	28000	3300×2900×3000
30×3200	30	3200	3.5	20-800	4	37	33000	4200×2900×3200

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Q11Y/K SERIES

HYDRAULIC GUILLOTINE SHEARING MACHINE

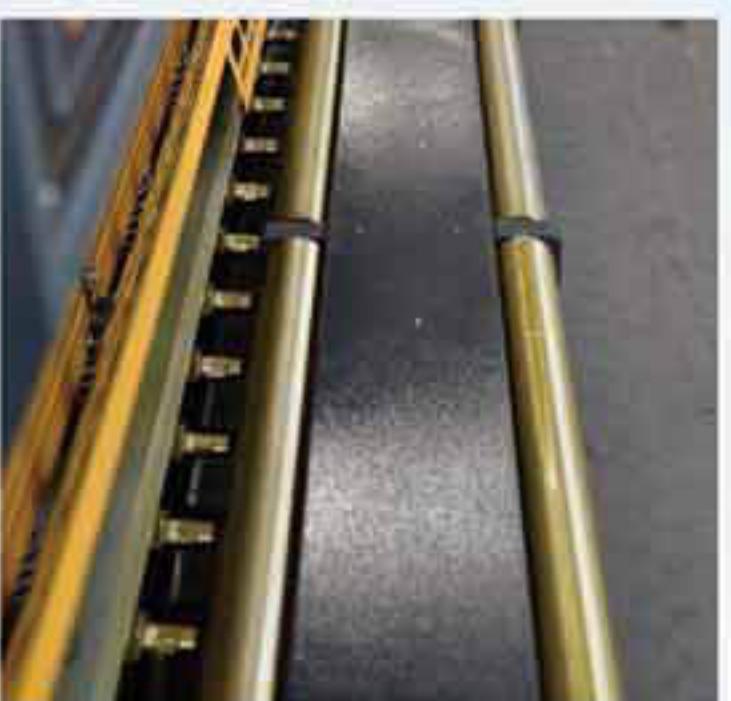
- Steel welded frame, eliminating stress by vibration with good rigidity and stability
- Positioning precise, high positioning accuracy
- Tandem type oil cylinders make the cutting angle not change during the operation of shears
- Accumulator return is smooth and swift
- Automatically adjust the blade gap to help it be more precise, rapid and convenient
- The cutting angle is adjustable to minimize distortion of plate
- Motorized back gauge and position display are to improve its precision and convenience





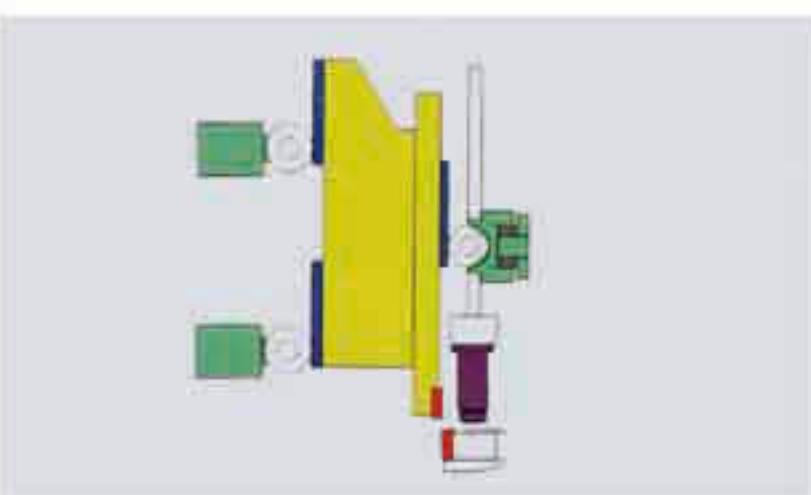
Hydraulic Integrated System

- Hydraulic driven, accumulator return, moving smoothly, temperature is low, ensure machine performance stability



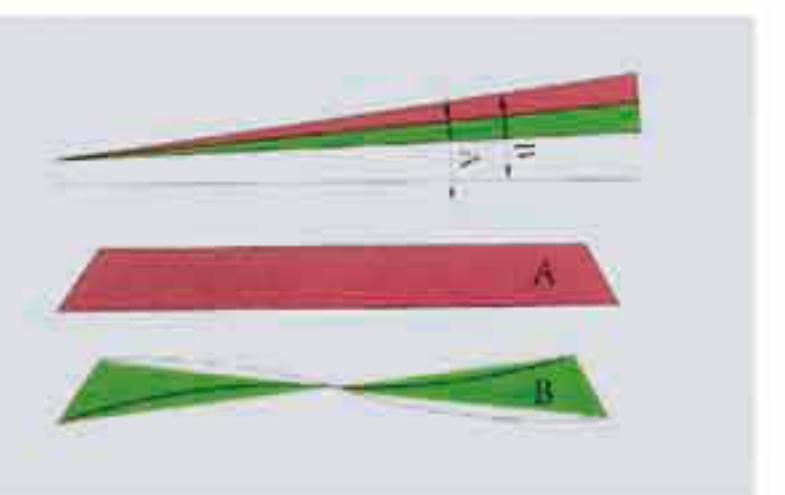
Heavy Duty Roller Type Transfer

- Novel and practical protective device, comply with safety regulations, to protect the operator's personal safety



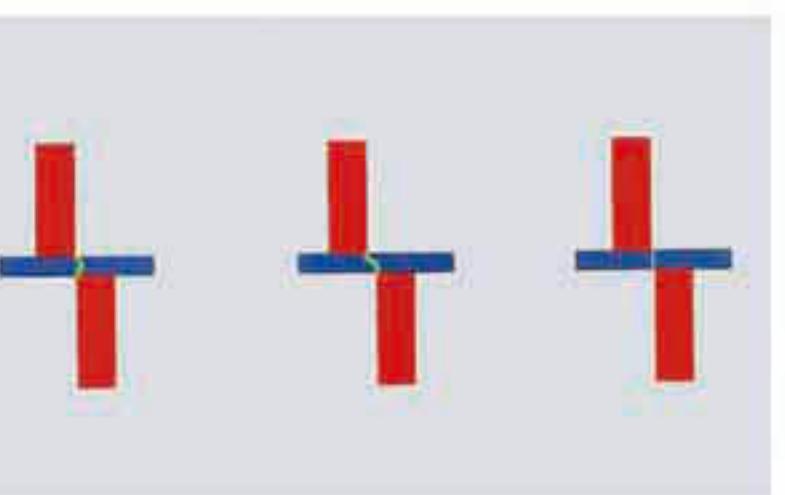
Guide Rail Structure

- Adopt three points roller bearing blade rest guide rail structure, Front roller is under the action of pre-pressure disc spring to make the blade rest always against the back rollers, ensure the blade rest moving between the rollers up and down smoothly



Adjustable Cutting Angle

- Increase the cutting angle, cutting force is small, but product may get deformation
- Reduce the cutting angle, cutting force is big, but the product may flat and smooth



Adjustable Bladegap

- Blade gap adjusts appropriately or not will have a direct impact on cutting result and blade using life. If you want to get high quality cutting edge, you should adjust suitable blade gap according to the cutting thickness and material



E21S

- Positioning control of back gauge
- Unilateral and bidirectional
- Positioning which eliminates spindle clearance effectively
- Retract functions
- Automatic reference searching
- One-key parameter backup and restore
- Fast position indexing
- 40 programs storage space, each Program has 25 step
- Power-off protection



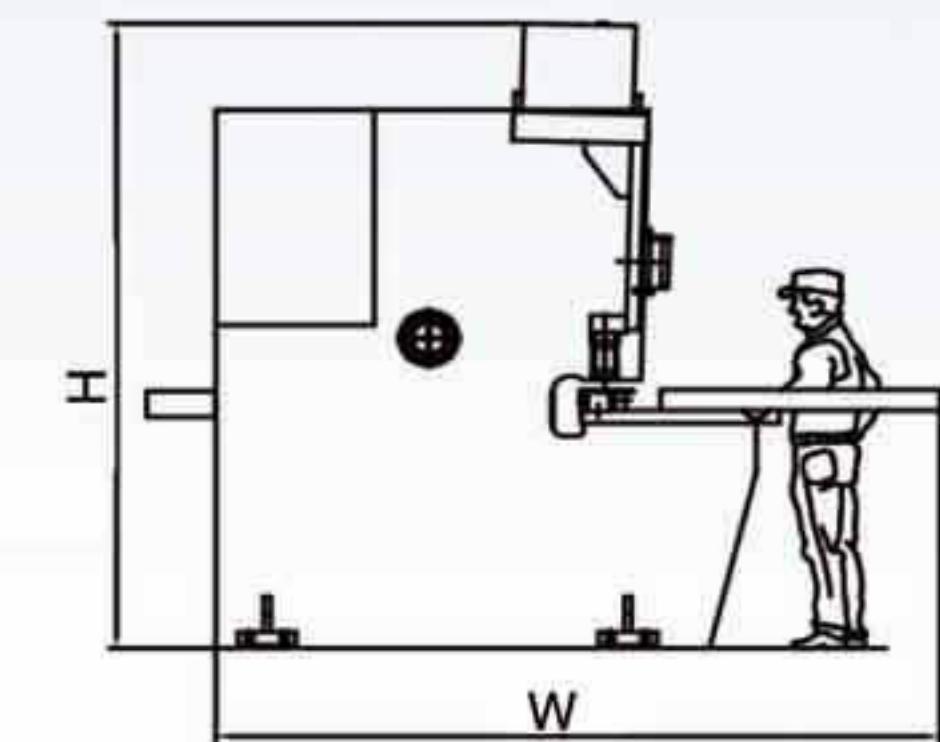
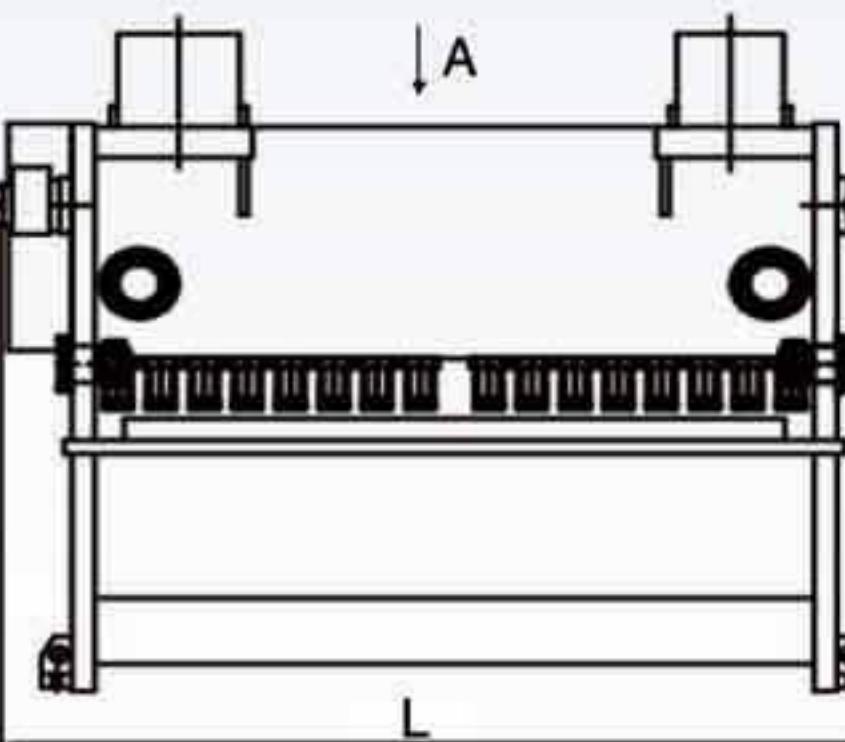
DAC310S

- Bright LCD 128x64 display
- Backgauge control
- Gap control
- Shear length limitation
- Actual and programmed Position visualization
- Stock counter
- Programmable up to 100 steps
- Panel-based housing
- Servo control/inverter/ 2-speed AC control



DAC360S

- Panel based housing
- Bright LCD screen
- Back/front gauge control
- Retract function
- Cutting angle and gap control
- Stroke length limitation
- Manual movement of all axes
- Force control
- Sheet thickness measurement
- RTS, Return to Sender function
- Second servo axis(DAC-362S)
- Sheet support



Model	Shearing Thickness (mm)	Shearing Width (mm)	Strokes (mm ⁻¹)	Backgauge Range (mm)	Shearing Angle (°)	Main Power (Kw)	Overall Dimensions (L×W×H)(mm)
6×2500	6	2500	16~35	20~800	0.5°~1°30'	7.5	3200×1500×2100
6×3200	6	3200	14~35	20~800	0.5°~1°30'	7.5	3900×1580×2150
6×4000	6	4000	10~30	20~800	0.5°~1°30'	7.5	4700×1650×2250
6×5000	6	5000	10~30	20~800	0.5°~1°30'	11	5700×1800×2380
6×6000	6	6000	8~25	20~800	0.5°~1°30'	11	6700×2000×2650
8×2500	8	2500	14~30	20~800	0.5°~2°	11	3200×1550×2150
8×3200	8	3200	12~30	20~800	0.5°~2°	11	3950×1750×2350
8×4000	8	4000	10~25	20~800	0.5°~2°	11	4700×1800×2480
8×5000	8	5000	10~25	20~800	0.5°~2°	15	5700×1950×2600
8×6000	8	6000	8~20	20~800	0.5°~2°	15	6700×1980×2650
12×2500	12	2500	12~25	20~800	0.5°~2°	15	3250×1680×2250
12×2500C	12	2500	8~12	20~800	0.5°~2°	15	3125×1620×2110
12×3200	12	3200	12~25	20~800	0.5°~2°	15	3980×1800×2550
12×4000	12	4000	10~20	20~800	0.5°~2°	15	4800×1950×2650
12×5000	12	5000	8~20	20~800	0.5°~2°	22	5800×2150×2700
12×6000	12	6000	6~20	20~800	0.5°~2°	30	6800×2450×2900
16×2500	16	2500	12~20	20~800	0.5°~1°30'	22	3280×1830×2520
16×2500C	16	2500	8~15	20~800	0.5°~2°	22	3145×1770×2250
16×3200	16	3200	10~20	20~800	0.5°~1°30'	22	3950×1950×2650
16×4000	16	4000	8~15	20~800	0.5°~1°30'	22	4800×1970×2700
16×5000	16	5000	7~15	20~800	0.5°~1°30'	30	5800×2250×2870
16×6000	16	6000	6~15	20~800	0.5°~1°30'	37	6800×2450×3150
20×2500	20	2500	10~20	20~800	0.5°~3°	30	3400×2260×2520
20×2500C	20	2500	6~20	20~800	0.5°~3°	30	3125×1900×2495
20×3200	20	3200	9~20	20~800	0.5°~3°	30	4100×2300×2700
20×4000	20	4000	8~15	20~800	0.5°~3°	30	4900×2500×2880
20×5000	20	5000	7~15	20~800	0.5°~3°	37	5900×2750×2980
20×6000	20	6000	6~15	20~800	0.5°~3°	37	6900×2850×3200
25×2500	25	2500	8~15	20~800	0.5°~1°30'	37	3420×2400×2650
25×2500C	25	2500	5~20	20~800	0.5°~3.5°	37	3970×2000×2650
25×3200	25	3200	8~15	20~800	0.5°~1°30'	37	4150×2500×2750
25×4000	25	4000	6~12	20~800	0.5°~1°30'	37	4900×2600×2950
30×2500	30	2500	8~12	20~800	0.5°~4°	45	3450×2600×2750
30×3200	30	3200	7~12	20~800	0.5°~4°	45	4150×2700×2850
30×4000	30	4000	6~12	20~800	0.5°~4°	45	4900×2900×3100
40×2500	40	2500	4~10	20~800	0.5°~4°	55	4000×2950×3150
40×3200	40	3200	4~10	20~800	0.5°~4°	55	4900×3050×3680

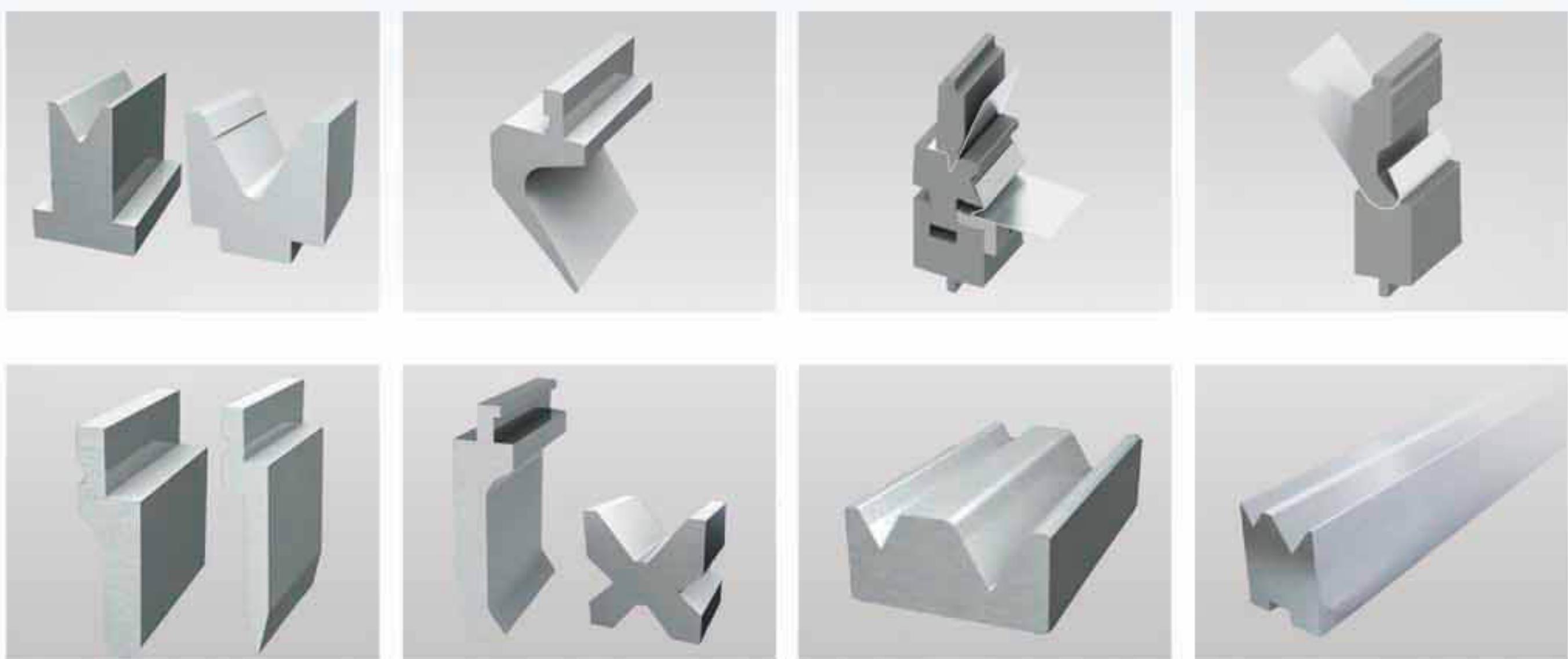
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► Force Chart For Press Brake

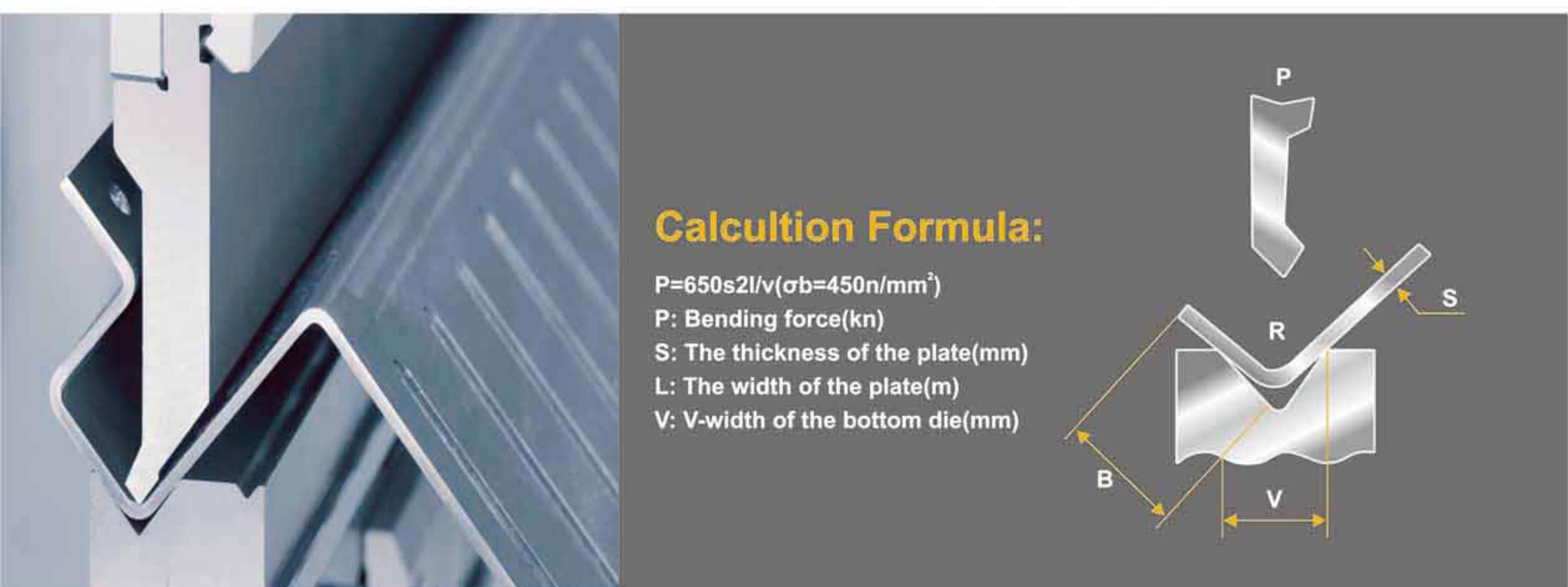
V	4	6	8	10	12	14	16	18	20	24	28	32	36	40	45	50	55	60	65	70	80	100	100	120
B	2.8	4	5.5	7	8.5	10	11	12.5	14	17	20	22	25	28	31	35	38	42	46	49	56	70	70	85
R	0.7	1	1.3	1.6	2	2.3	2.6	3	3.3	3.8	4.5	5	6	6.5	7	8	9	10	10.5	11	16	16	16	19

This chart is calculated according to the plate of tensile strength $\sigma_b=450N/mm^2$ and length $L=1m$, the force can be got according to the proportion while different kind of plate and different length to be bent.

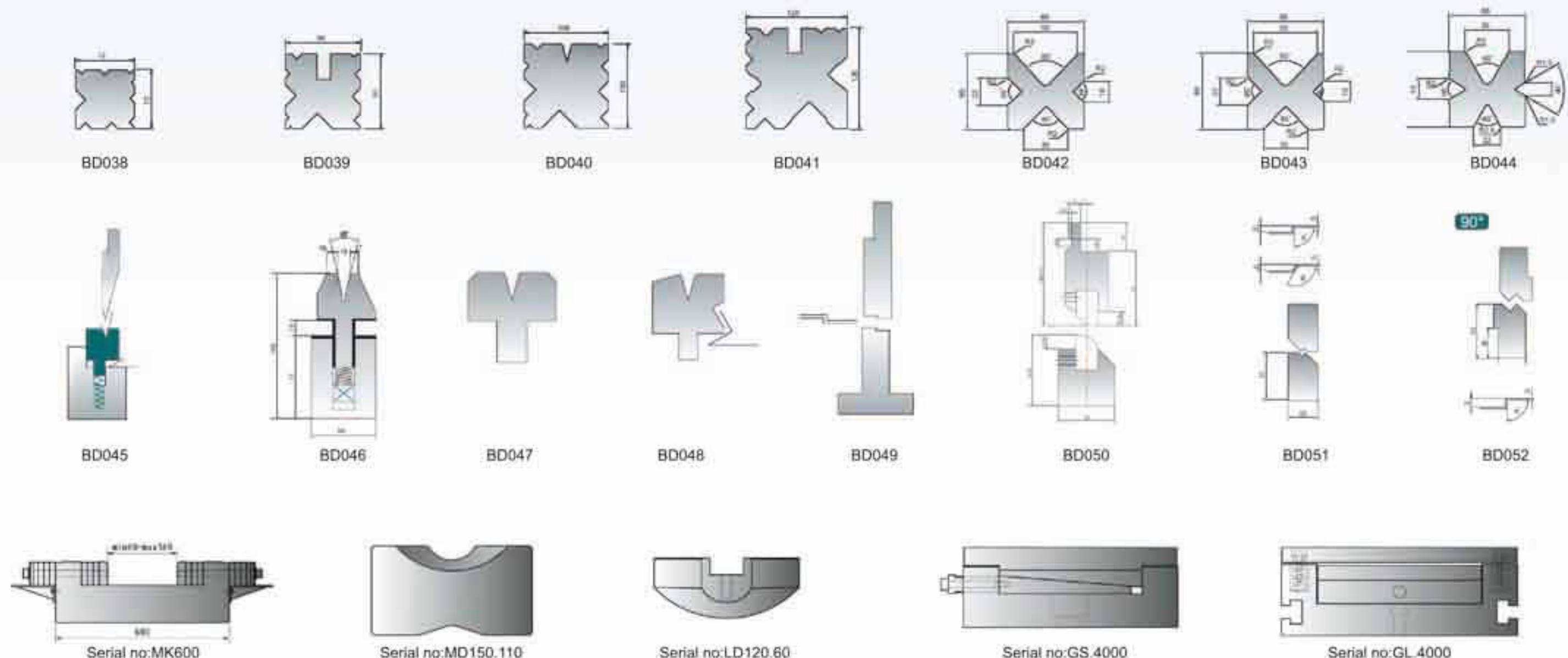
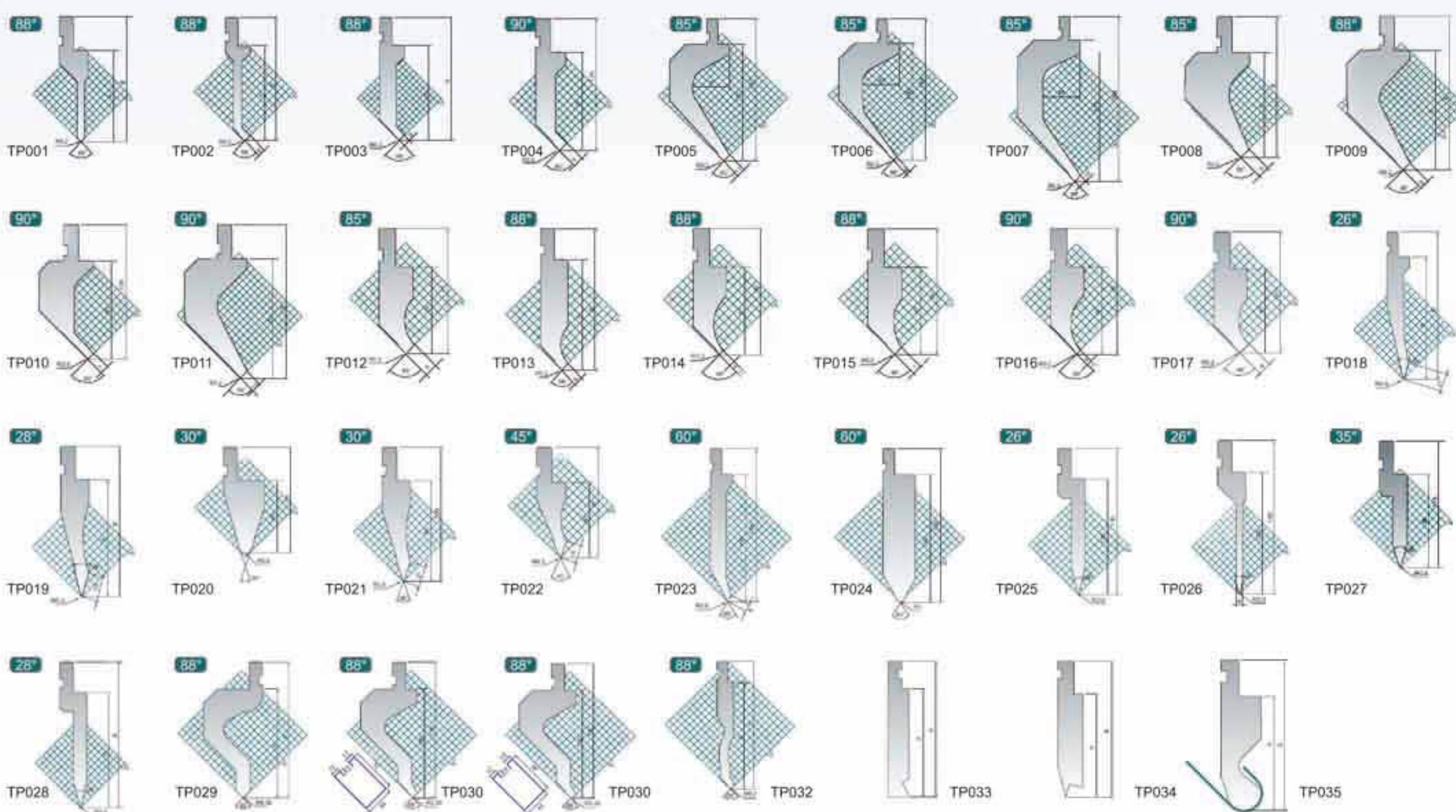
► Tooling Drawing For Press Brake



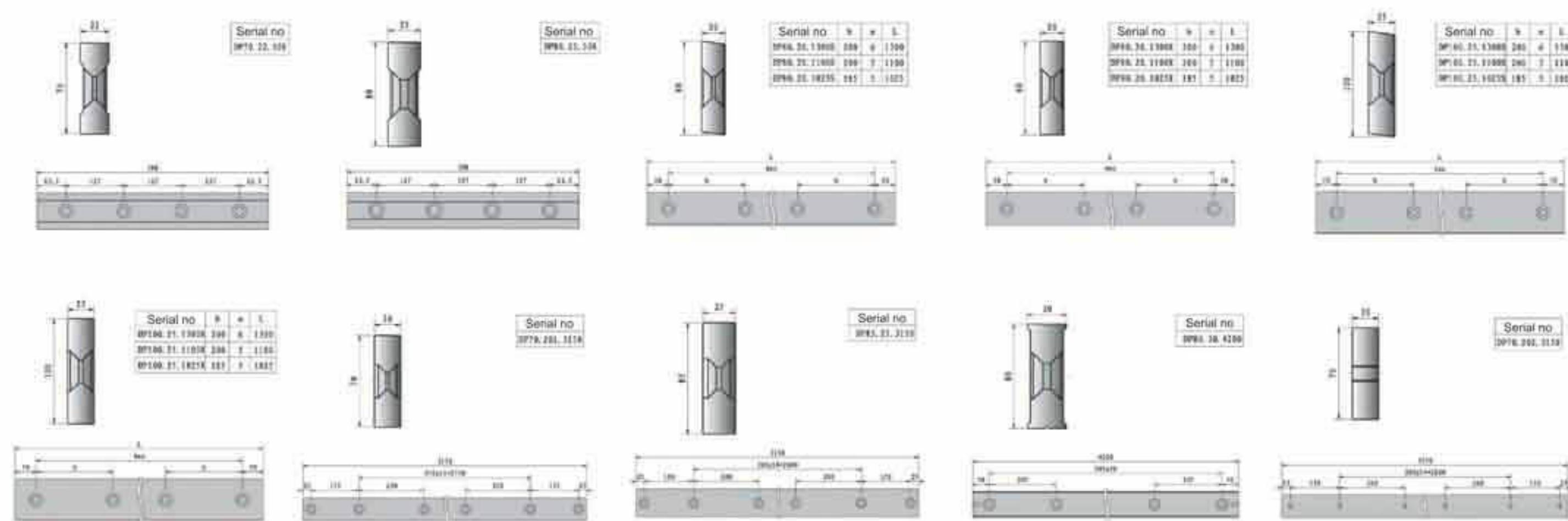
► Blade Drawing For Shear



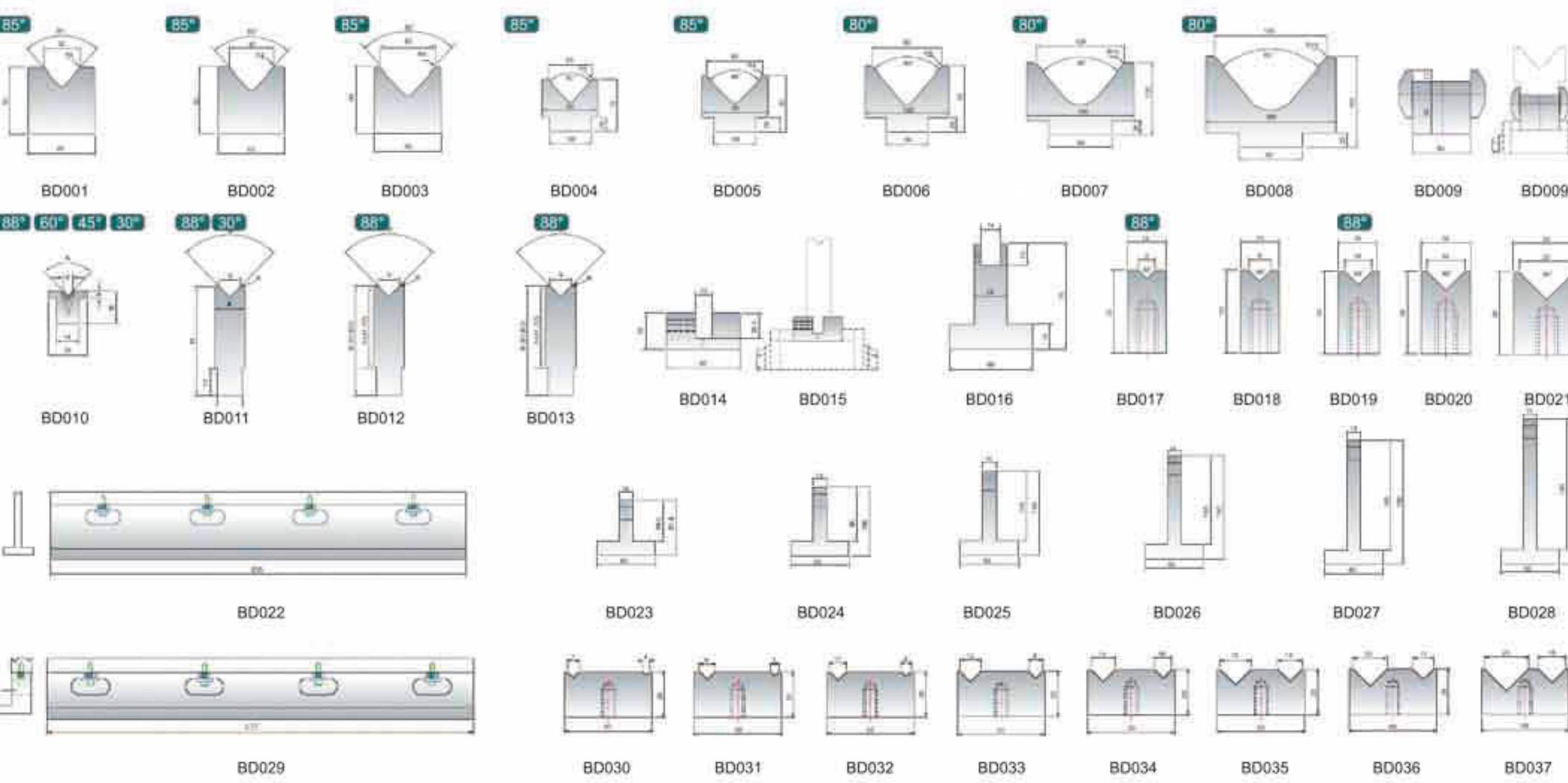
► Customized Top Punch



► Blades of Shearing Machine



► Customized Bottom Die



► Applicable Industries





QS12K SERIES

HYDRAULIC CNC FEEDING DEVICE SWING SHEARING MACHINE

- Adopting ball screw and linear guide driven, pneumatic clamps to hold the sheet, cnc system control, automatic feeding fixed size cutting, feeding accuracy is higher, brush with steel ball working table can reduce the scratch of sheet



DAC310S

Item	Unit	Value
Max.travelling range	mm	2500
Positioning accuracy	mm	±0.1
Min.scrap width	mm	100
Min.cutting width	mm	440
Clamps No.	PC	3
Power of feeding table	KW	2

- Bright LCD 128x64 display
- Backgauge control
- Gap control
- Shear length limitation
- Actual and programmed position visualization
- Stock counter
- Programmable up to 100 steps
- Panel-based housing
- Servo control/inverter/2-speed AC control



QS11K SERIES

HYDRAULIC CNC FEEDING DEVICE GUILLOTINE SHEARING MACHINE

- DELEM DAC360S CNC Control unit
- Using pre-feeding NC device, removing the back-gauge so the shearing accuracy and working efficiency are higher
- Pre-feeding device adopts servo control technology, equipped with pneumatic clamping, feeding device, coupled with the strong function of DAC360 CNC system, which runs fast, accurately, stably, to save labor, and improve work efficiency
- Equipped with imported ball screw and linear guide rail to ensure machine tools' positioning accuracy



DAC360S

- Panel based housing
- Bright LCD screen
- Back/front gauge control
- Retract function
- Cutting angle and gap control
- Stroke length limitation
- Manual movement of all axes
- Force control
- Sheet thickness measurement
- RTS, Return to Sender function
- Sheet support

Item	Unit	Value
Max.travelling range	mm	2500
Positioning accuracy	mm	±0.1
Min.scrap width	mm	100
Min.cutting width	mm	440
Clamps No.	PC	3
Power of feeding table	KW	2

LFD SERIES

GANTRY BILATERAL-DRIVE FIBER LASER CUTTING MACHINE

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

- Modular-designed overall, bilateral-drive servo motor, bilateral dust elimination. The optimized beam with higher rigidity and lighter weight, all key components adopts international famous brand, with professional laser numerical control system, high integration, precise control, stable operation.

- The main functions such as: leap-frog, arbitrary common-side, micro-connection, marking, back-off and so on.



LFH SERIES

GANTRY BILATERAL-DRIVE FIBER LASER CUTTING MACHINE

- The new closed design, double table fast exchange, while processing edge cutting, fast, small slit, smooth section, easy operation, low energy consumption, suitable for large quantities of continuous processing, highlighting cutting competitive advantage.
- Modular-designed overall, bilateral-drive servo motor, bilateral dust elimination. The optimized beam with higher rigidity and lighter weight, all key components adopts international famous brand, with professional laser numerical control system, high integration, precise control, stable operation.
- The main functions such as: leap-frog, arbitrary common-side, micro-connection, marking, back-off and so on.

Model	LFH-3015	LFH-4020	LFH-6025
Max. Cutting Range	1500×3000mm	2000×4000mm	2500×6000mm
Laser Wavelength	1068-1080nm	1068-1080nm	1068-1080nm
Beam Quality	3.5-4mm*mard	3.5-4mm*mard	3.5-4mm*mard
Min. Line Width	≤0.15mm	≤0.15mm	≤0.15mm
Cooling Way	Water Cooling	Water Cooling	Water Cooling
X-axis Stroke	3000mm	4000mm	6000mm
Y-axis Stroke	1500mm	2000mm	2500mm
Z-axis Stroke	150mm	120mm	280mm
Worktable Axial Accuracy	0.03mm/m	0.03mm/m	0.03mm/m
Worktable Re-positioning Accuracy	±0.02mm	±0.02mm	±0.02mm
Outline Dimension(mm)	8500×3400×2200	11500×3920×2200	6100×3520×1750

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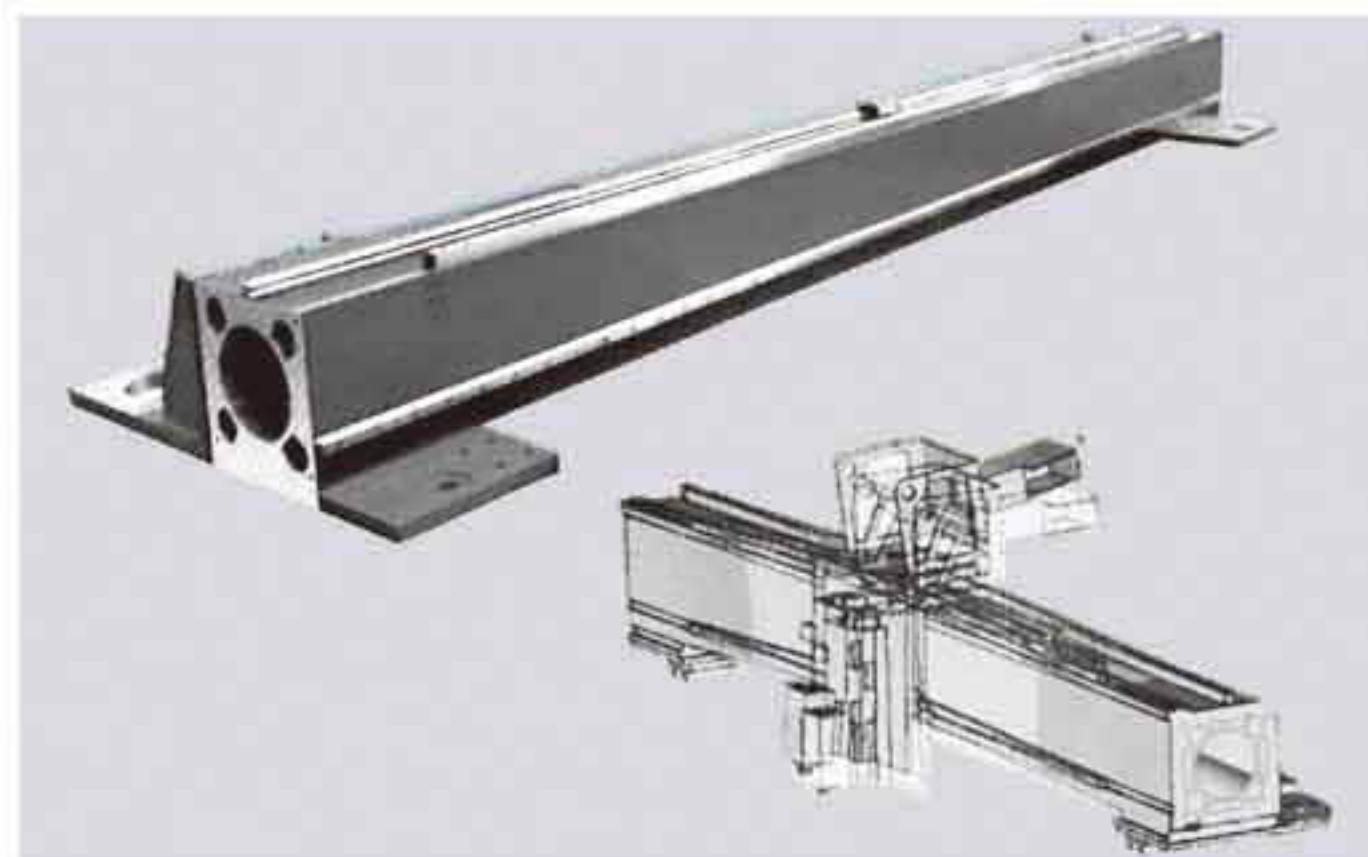


**Frame**

- Steel structure, full body annealing to relieve stress, good rigidity and zero deformation
- Machine by imported large-scale CNC equipment to achieve an outstanding precision beyond design standards
- Dual-channel dust collection system in a zoning design to achieve better performance

**PRECITEC Cutting Head**

- Germany brand, stable, efficient and safe
- The best cutting quality and ideal cutting speed
- Lasermatic distance sensor with high efficiency and precision

**Beam**

- Aviation-class steel casting beam
- High rigidity and light weight design
- Outstanding precision and stability in high-speed movement, and fast acceleration
- Protect Z axis cutting head from collision

**Fiber Laser Generator**

- Constant BPP over entire power range, small focus over large working distance
- Over 30% wall-plug efficiency
- Modular 'plug&play' design
- Compact, rugged and easy to install

**Transmission Parts**

- International first-class brand from Germany/Japan
- High strength, low noise, long lifetime
- High positioning accuracy, good synchronization performance

**CNC System**

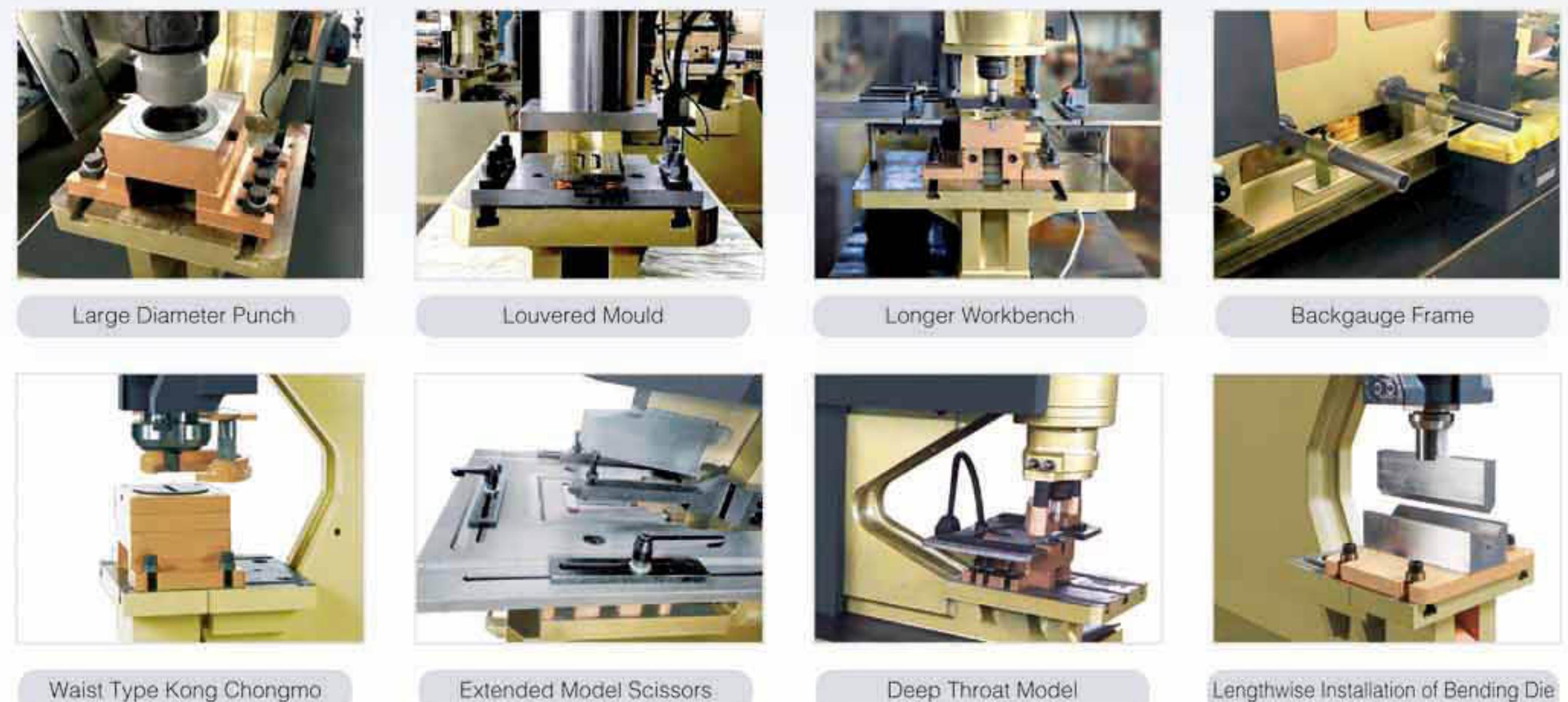
- Communication interfaces for Ethernet, USB, RS232, and profibus. Functions such as factory networking, machine information monitoring, and remote diagnosis can be realized
- Supportable: laser power modulation, grid cutting, jumping, breakpoint returning, automatic edge finding, etc

Q35Y SERIES

HYDRAULIC IRONWORKER



- This series of ironworkers are ideal equipment for cutting all kinds of angle steel, I-beam, U-shape steel, right angle or 45 degree angle steel.
- Multi-workstations make it possible to finish punching, shearing and notching simultaneously by one machine.
- Dual-piston-type combined punching and shearing machine allows two-man operation at the same time (stamping+another work station)
- By Thermal Effect of annealing processing, the entire rack is able to keep its shape forever, without deformation.
- Introduction of imported brand accessories ensures the parts' service life and use precision.



► Artifacts Diagram Shows



Parameter of multi-function hydraulic ironworker

Model	Punching Pressure (T)	Max.cutting thickness of steel plates (mm)	Plate strength (N/mm ²)	Angle of Shear (°)	A trip size (T × W) (mm)	Slider trip (mm)	Trips frequency (times/min)	Throat depth (mm)	Punch depth (mm)	Max. punching diameter (mm)	Main Motor Power (KW)	Overall dimensions (L × W × H) (mm)
Q35Y-60	60	16	≤450	8°	16×250 8×400	80	8-22	300	16	30	5.5	180×880×1800
Q35Y-90	90	20	≤450	8°	20×330 10×480	80	8-22	355	20	35	7.5	2000×930×2000
Q35Y-120	120	25	≤450	8°	25×330 16×600	80	8-22	400	25	35	11	2370×1290×2400
Q35Y-160	160	30	≤450	8°	30×335 20×600	80	8-22	600	28	38	11/15	2760×1290×2400
Q35Y-200	200	40	≤450	8°	35×400 25×700	80	8-22	600	35	40	15/18	3000×1400×2600
Q35Y-250	250	50	≤450	8°	40×400 30×750	80	8-22	600	40	40	18/22.5	3300×1560×2800

Sorry no notice if parameter change!

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		
Q35Y-60	45	40×40	120×120×12	70×70×8	120×120×12	60×60×8	126×74×5	126×53×5.5
Q35Y-90	50	45×45	140×140×12	70×70×10	140×140×12	70×70×10	160×86×6	160×60×6.5
Q35Y-120	60	50×50	160×160×14	80×80×7	160×160×14	80×80×10	200×102×9	200×75×9
Q35Y-160	65	55×55	180×180×16	80×80×10	180×180×16	80×80×10	280×124×10.5	280×86×11.5
Q35Y-200	70	60×60	200×200×18	100×100×10	200×200×18	80×80×10	300×126×11	300×89×12
Q35Y-250	80	65×65	200×200×20	120×120×16	200×200×18	80×80×10	320×130×10	320×92×12

Note: The Company reserves the right to change the sample to add products, color and data rights, are subject to change without notice!



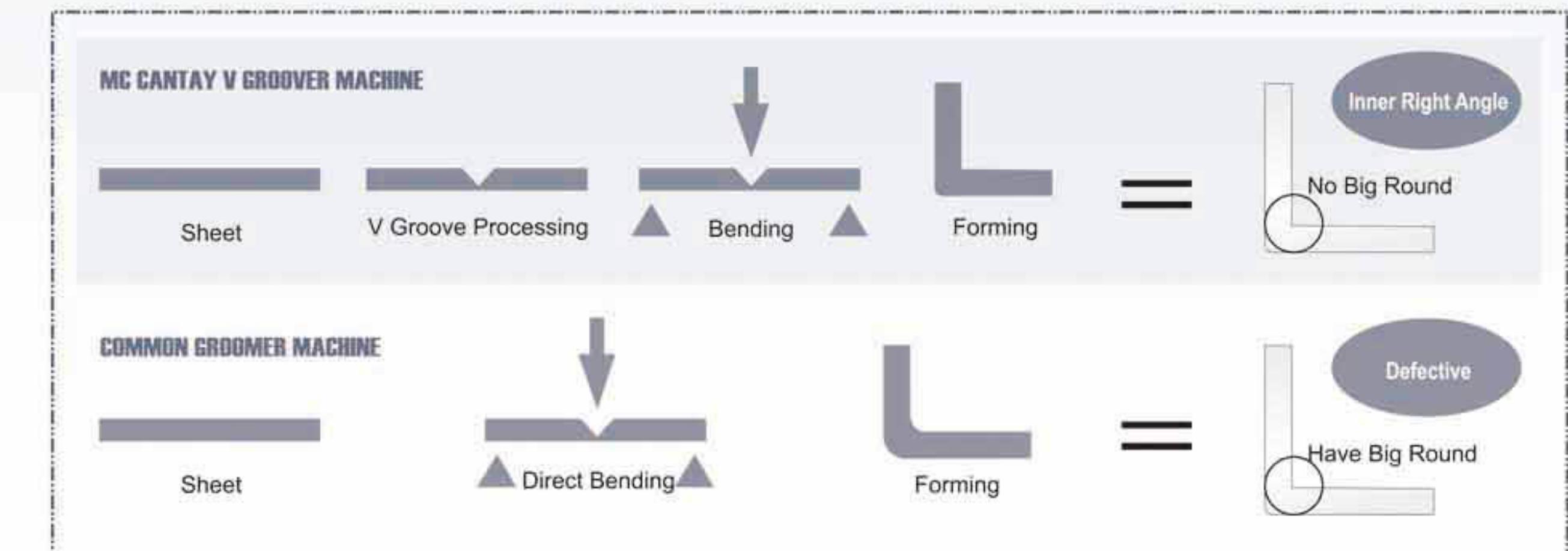
CNC V-CUT MACHINE



- The base and the beam of the machine are frame structure. The entire rigidity is quite good and there is small degree of deformation.
- The base is fixed. The bevel wheel and the spline of moving can be adjusted with altering frequency. The process of cutting is stable, high efficiency and surface cut can be smooth.
- The x axis is for digital display. The Y1, Y2 and z axes are for digital control with high accuracy of location and large range of processing.
- There are side pressing and end pressing devices on the machine, both of which use hydraulic pressure to tighten. The force of tightening is adjustable and reliable.
- The hydraulic system has one more energy storage compensation function. The dynamo works at interval so the energy is saved and the oil temperature is controlled.
- The machine can self-dig. After long time of operation, if the surface of the machine is uneven or has flaws, the self-digging function can be utilized and the machine will start as a new one.



► ADVANTAGES AND DISADVANTAGE OF CONTRAST



► ADHK SERIES CATALOG

Num	Type	The overall dimensions(mm)
1	1250×3200 / 1500×3200	5350×2300×1560 / 5350×2300×1560
2	1250×4000 / 1500×4000	6150×2300×1560 / 6150×2550×1560
3	1250×5000 / 1500×5000	7150×2300×1560 / 7150×2550×1560
4	1500×6000	8150×2550×1560

► ADHK SERIES PRODUCT CATALOG

Name	Unit	ADH- Cutting Machine
Max grooving height	mm	1250mm / 1500mm
Max grooving length	mm	4000mm / 4000mm
Max grooving thickness	mm	3mm / 3mm
Min grooving thickness	mm	0.5mm / 0.5mm
Max distance of the knife moving around	mm	1250mm / 1500mm
Resolution of the knife moving around	mm	0.01mm / 0.01mm
Max cutting speed of the beam forward(X aixs)	mm	65m/min / 65m/min
Max cutting speed of the beam back	mm	65m/min / 65m/min
Knife rest resolution	mm	0.01mm / 0.01mm
Max distance of carriage moving around	mm	4300mm / 4300mm
Straightness error in 4000mm	mm	±0.03mm / ±0.03mm
Positioning accuracy	mm	±0.01mm / ±0.01mm

W12NC SERIES

HYDRAULIC 4-ROLL PLATE BENDING MACHINE



● The machine structure type is four rollers. The upper roller performs the main transmission and momentum stems from the gear engagement between the upper roller and planetary speed reducer to provide torque for the roll sheet. The lower rollers move vertically through the effect imposed by the hydraulic oil in the hydraulic cylinder piston to clamp the plate. There are side rollers on both sides of the lower rollers moving in arc or slash through the cylinder. Advantage of the machine is that end pre-bending and rolling of the plate can be realized with the same equipment.

Model	Max pre-bending thickness (mm)	Max rolling thickness (mm)	Max rolling Width (mm)	Plate Yield Limit (MPA)	Rolling Speed m/min	Upper Roller Dia (mm)	Lower Roller Dia (mm)	Side Roller Dia (mm)	Main motor power (KW)
W12-8×2000	6	8	2000	265	5	215	215	165	11
W12-8×2500	6	8	2500	265	5	230	230	180	11
W12-12×2000	10	12	2000	265	5	260	260	200	18.5
W12-12×2500	10	12	2500	265	5	280	280	220	18.5
W12-16×2000	12	16	2000	265	5	280	280	220	18.5
W12-16×2500	12	16	2500	265	5	330	330	260	22
W12-16×3200	12	16	3200	265	5	360	360	280	30
W12-20×2000	16	20	2000	265	5	330	330	260	22
W12-20×2500	16	20	2500	265	5	360	360	280	30
W12-25×2000	20	25	2000	265	5	360	360	280	30
W12-25×2500	20	25	2500	265	4.5	410	400	320	37
W12-30×2000	25	30	2000	265	4.5	410	400	320	37
W12-30×2500	25	30	2500	265	4.5	470	470	390	37
W12-30×3000	25	30	3000	265	4.5	560	520	420	45
W12-40×2500	35	40	2500	265	4.5	560	520	420	45
W12-40×3000	36	40	3000	265	4.5	650	580	480	55
W12-50×2500	40	50	2500	265	4	650	620	500	55
W12-50×3000	40	50	3000	265	3.5	720	650	520	55
W12-60×3000	50	60	3000	265	3.5	750	710	560	75
W12-70×3000	60	70	3000	265	3	750	720	600	75
W12-80×3000	70	80	3000	265	3	800	780	620	75
W12-90×3000	80	90	3000	265	3	840	820	660	90
W12-100×3000	85	100	3000	265	3	900	880	700	90
W12-120×3000	100	120	3000	265	3	1020	980	800	132

Sorry no notice if parameter change!

YDH41 SERIES

HYDRAULIC PRESS



● The machine is a single-column body, beautiful appearance, the fuselage and workstations using steel welded structure, making the whole body structure is simple, light weight, and have enough rigidity. The main components and fittings, electrical components packaged in the fuselage, the main motor start and stop switch is located in the right side of the machine cabinet above, the pressure head down and return by the foot switch operation, you can move to facilitate operation.



Series YDH41 hydraulic machine technical parameters

No	Name	Unit	Specification		Remarks
1	Nominal pressure	KN	3150	5000	
2	Length of table	mm	1560×2500	1200×2500	
3	Throat Depth	mm	1250	1200	
4	Max distance from press head to worktable	mm	2800/2100	1700	
5	stroke	mm	1000	800	
6	approaching speed	mm/sec	80	80	
7	working speed	mm/sec	7	8	
8	return speed	mm/sec	65	60	
9	pressure	Mpa	25	28	
10	Main motor	Kw	30	37	
11	Overall dimensions (LxWxH)	mm	3820×2500×5645	3820×2500×5645	

Sorry no notice if parameter change!