

PRESS BRAKE

WC67E



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CONTACT US

COMPANY PROFILE

Established in 2002, ADH Company is situated in Ma'anshan City, Anhui Province, just 30 kilometers from Nanjing Lukou Airport. Our expansive 2,000,000 square meter facility specializes in manufacturing press brakes, hydraulic shearing machines, laser cutting machines (including automatic production units), CNC turret punches, intelligent flexible bending centers, and sheet metal automation equipment. As a leading high-tech manufacturer prioritizing R&D and innovation, we hold numerous patents and industry certifications.

2002

Founded

6000 +

Annual Production

120 +

R&D Personnel

100 +

Exported Countries



Mission

We are committed to research and development, improving product and service quality, in order to establish a globally renowned sheet metal manufacturing machinery center.



Vision

Our goal is to become a highly respected sheet metal support service provider, earning the trust of customers and the pride of employees.



Values

Innovation, Lean Manufacturing, Integrity, Win-Win.

PRESS BRAKE

NC

WC67E Series

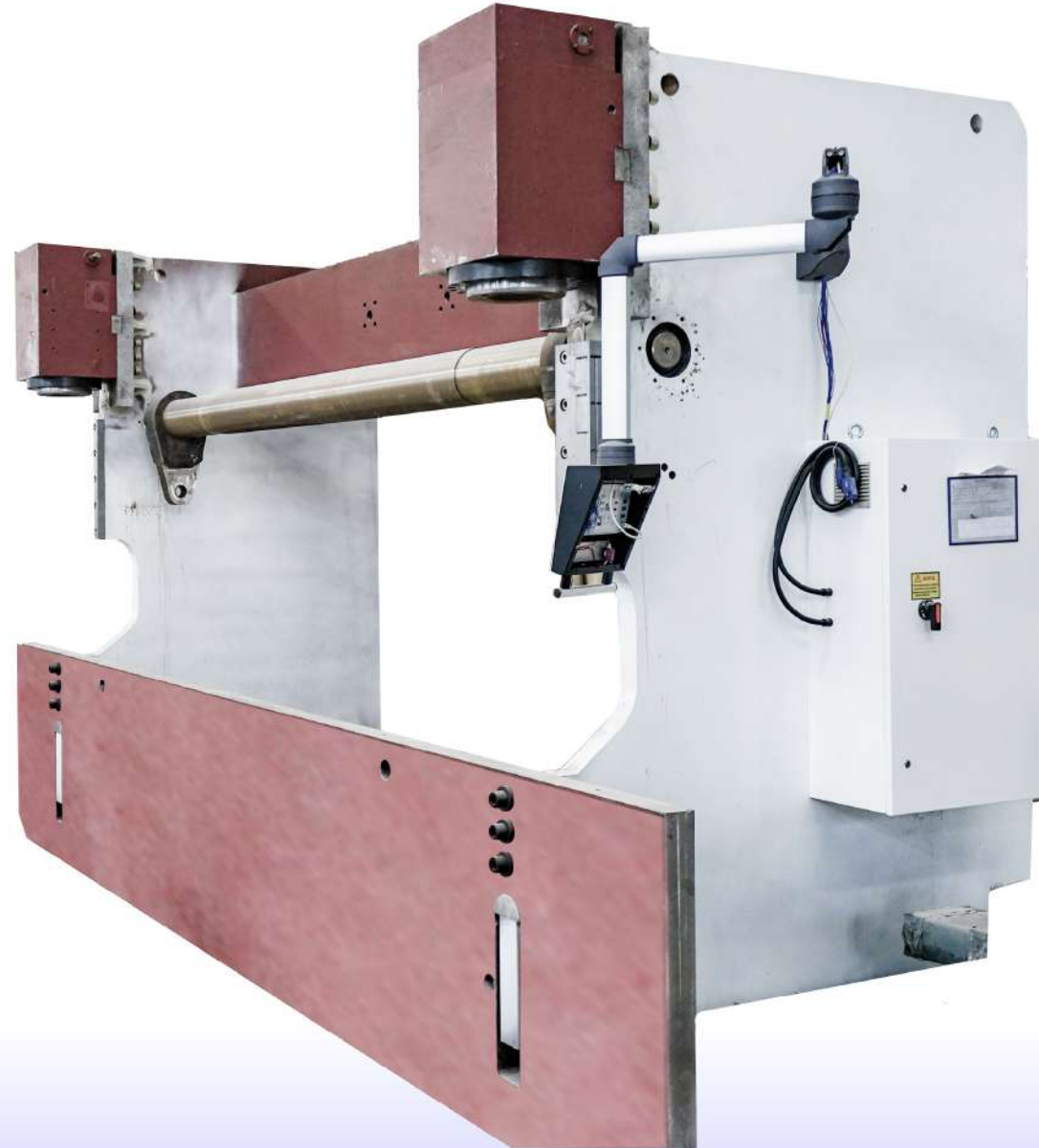


- Multi-axis CNC controllers(E315PS/DA41T/ESAS630/CT8P)
- High-pressure Rexroth hydraulic system
- Siemens high-efficiency servo motors
- Low-noise Sunny gear pumps
- Precision ball screw backgauge
- Schneider electrical components durability
- Manual/motorized crowning compensation
- CE-certified laser safety systems

PRODUCT DETAILS

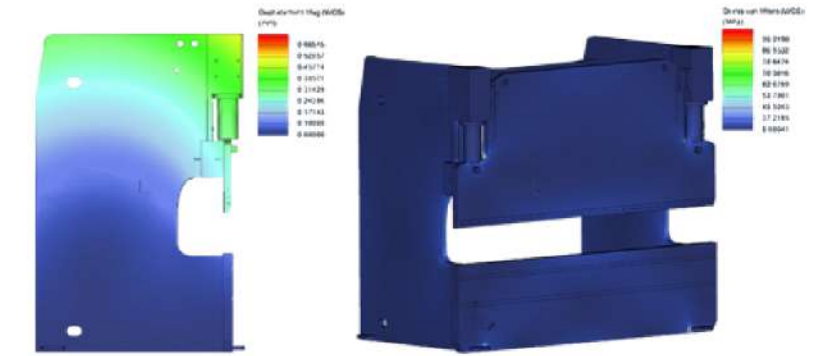
Frame

- The heat-treated, mono-block steel frame ensures long-term accuracy and stability, with stress relief post-welding to prevent deformation.
- Backed by a 15-year warranty, the robust and corrosion-resistant frame emphasizes strength and reliability for consistent performance year after year.



Mechanical Structure

- The press brake consists primarily of a frame, column, ram, worktable, main cylinder, and backgauge, all meticulously refined using finite element analysis and advanced 3D software to ensure robustness and rigidity.
- The structural components are thoughtfully engineered to be durable and stable, significantly improving the machine's efficiency and service life.



Motor

- Siemens motors deliver superior efficiency, energy savings, and low operational noise while adhering to IEC standards for seamless installation and maintenance.
- With large starting torque and robust design, Siemens motors ensure optimal performance and allow tailored voltage configuration to meet regional requirements.





Oil Pump

- Durable gear pumps with cast iron construction ensure low noise, high pressure tolerance, and optimal performance in demanding environments.



Fast Clamp

- Replace punches swiftly without modifications while ensuring precision and safety in tool changes.
- Standard-equipped fast clamp enhances efficiency by reducing tool change time by up to 80%.



Punch & Die

- Standard multi-V die supports diverse sheet thicknesses for versatile bending operations.
- Customizable segmented punches and dies enable precise right-angle to obtuse bends.

Hydraulic Valve

- Rexroth's German-engineered hydraulic valve ensures high reliability, energy efficiency, and extended durability under demanding conditions.
- Features high-quality hydraulic valves for stable, precise operation and maintenance-free longevity.



Backgauge

- The high-precision ball screw and adjustable stop finger ensure accurate positioning, supporting versatile punches for varied bending applications.
- Servo motor integration enables exact backgauge positioning, critical for fine adjustments and high-repeatability tasks.



Electrical Parts

- Utilizes authentic Schneider components from France, ensuring improved durability and reliability for extended operational longevity.





Backgauge Servo Motor

- Precise servo motor control ensures accurate positioning and repeatable movement, essential for fine-tuned adjustments.



Torsion-Sync Bar

- The steel torsion bar synchronization system ensures precise ram movement and parallel alignment with the worktable, delivering consistent bending accuracy.



Motorized Crowning

- The mechanical crowning system eliminates ram deformation effects by adjusting bulges at multiple points, ensuring consistent bending accuracy.
- Crowning corrects angle errors across different workpiece positions, enhancing bending precision and overall quality.

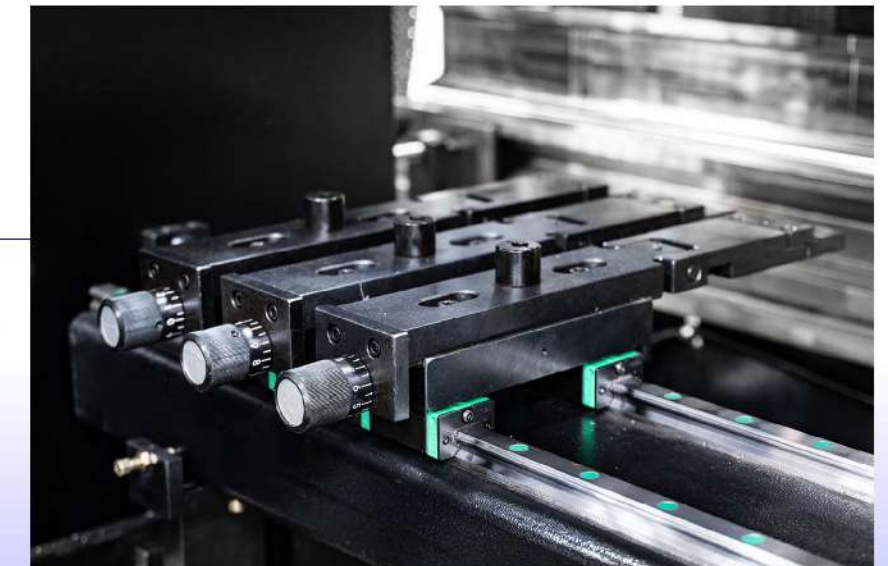
Servo Drive

- The Estun servo drive is designed to deliver high precision, improving the accuracy of mechanical processes in industrial environments.



Backgauge Fingers

- Adjustable backgauge fingers ensure precision alignment and support for diverse material sizes and shapes during bending operations, enhancing versatility and accuracy.
- Designed to accommodate varied workpiece dimensions, the backgauge fingers provide reliable positioning for accurate and consistent bending processes.



OPTIONAL



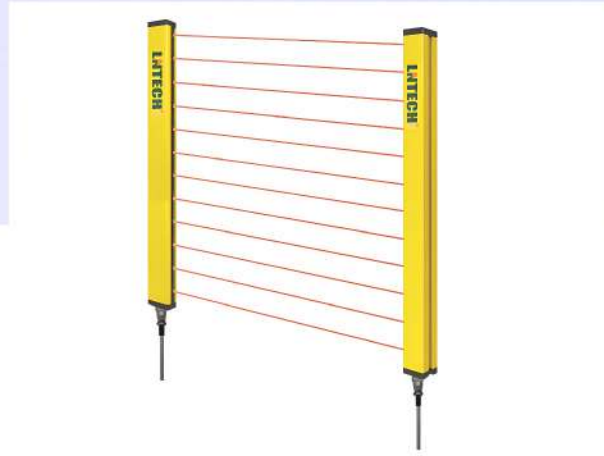
Single Sided Quick Clamp

- Enables tool-free punch installation with a push-and-lock mechanism, compatible with European, Japanese, and domestic tooling standards for versatile, efficient setup.
- Streamlines punch changes with palm-operated locking and finger-release, enhancing productivity while maintaining secure tool retention across diverse bending applications.



DSP Laser Protection

- EN12622 (CAT.4/SIL3) compliant laser barrier prevents crushing during rapid press closure.
- MCS module manages diverse signals and functions for optimized, safe press brake performance.



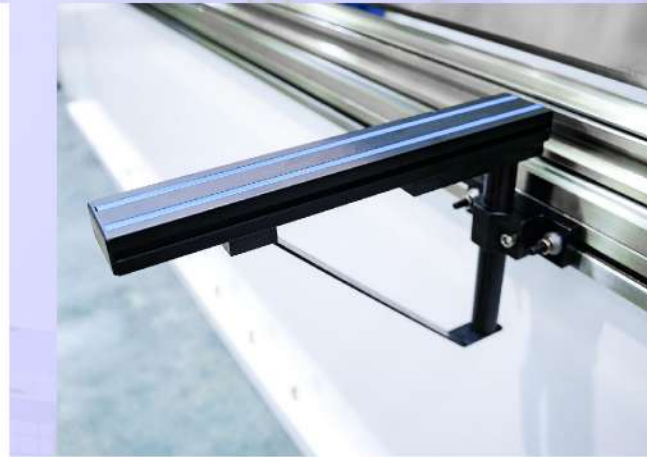
LNTECH Laser Protection

- LNTECH Laser Protection ensures operator safety with strong interference resistance, enabling reliable performance in diverse environments.



Wila Hydraulic Clamping System

- The Wila Hydraulic Clamping System offers quick, push-button loading and fast tool changes, reducing tool change time by up to 80% for enhanced efficiency.
- Engineered for durability, the Wila "New Standard" Tooling System ensures over 10 years of reliable service life, making it a valuable addition to your press brake setup.



Dual Linear Guide

- Dual guarantee of precision and stability. Adopting a double linear guide rail design, it achieves high-strength load stability and precise motion control, ensuring every bend is perfect and safeguarding your production efficiency.



ROL200 PN POWER Pneumatic Fast Clamping

- Features an anti-fall system and vertical tool handling for R1 tools up to 150mm, ensuring rapid, safe die swaps across multiple standards.

CONTROLLER NC



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-41T (Netherlands)

- 7" high-resolution widescreen TFT LCD display
- Industrial, glove-friendly tempered glass touchscreen
- Ergonomic & easy to integrate
- Durable & scratch-resistant



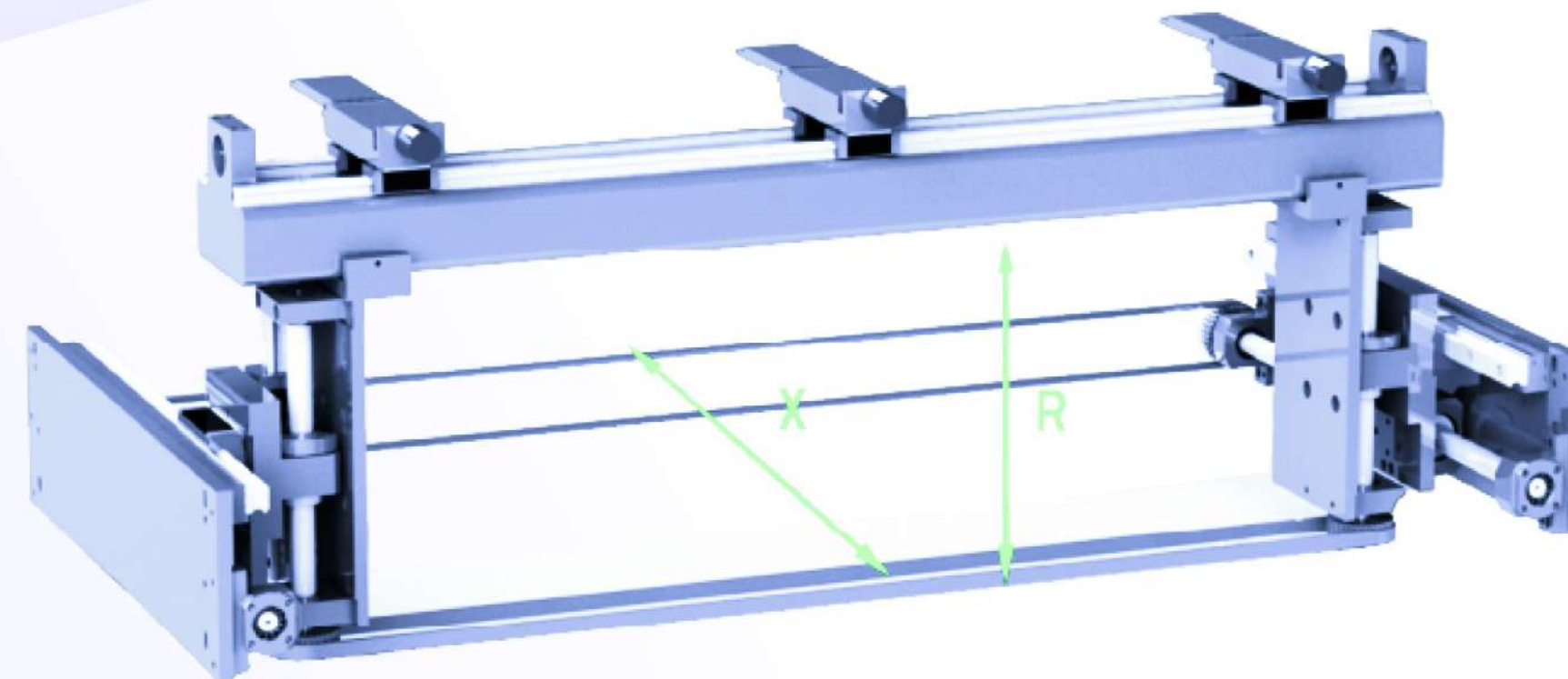
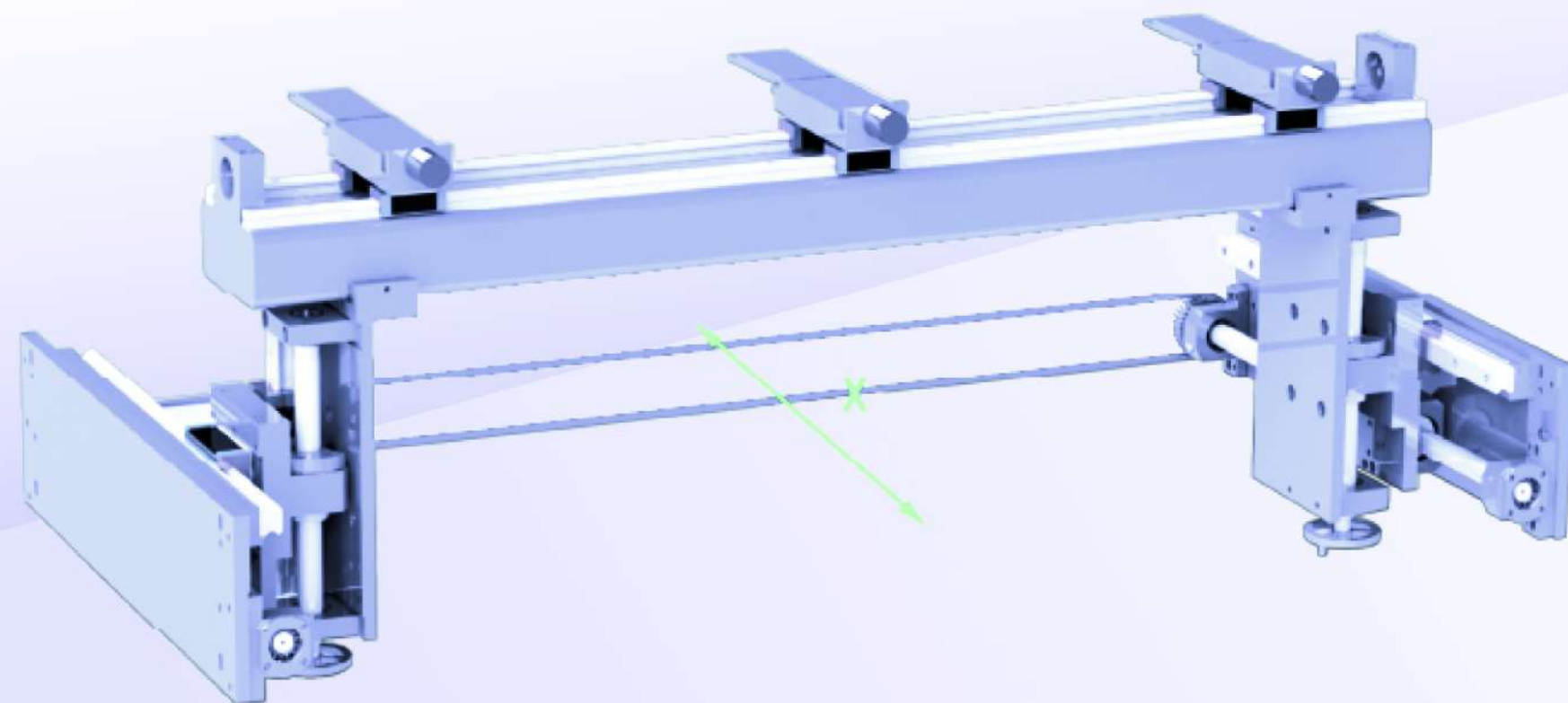
ESTUN E21PS (China)

- 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



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

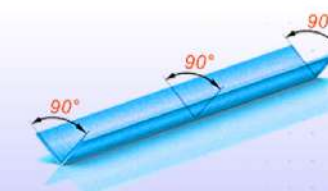
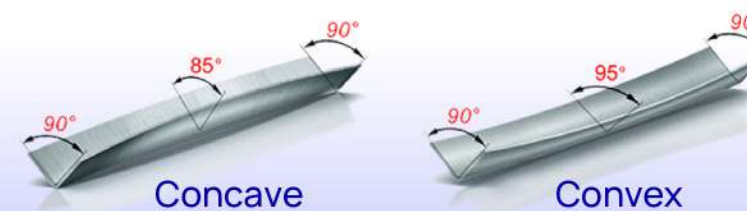
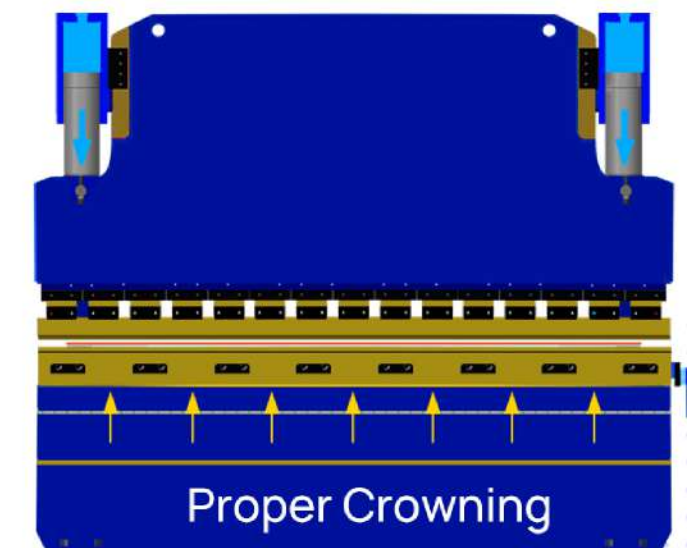
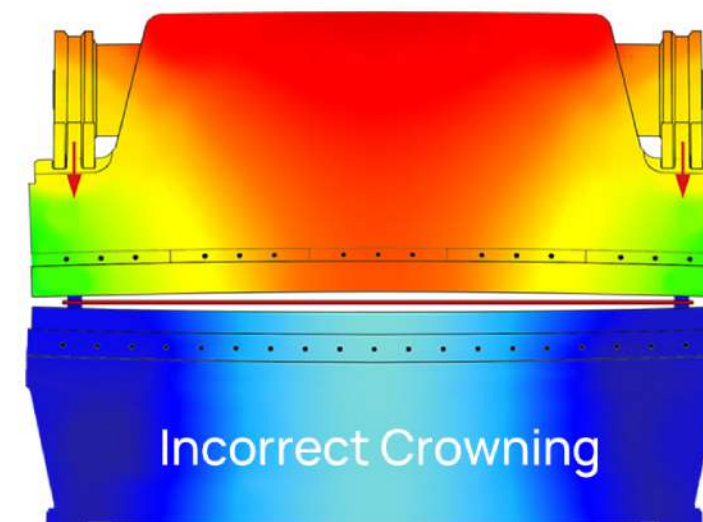


BACKGAUGE

Backgauges with different numbers of axes to meet all your needs.

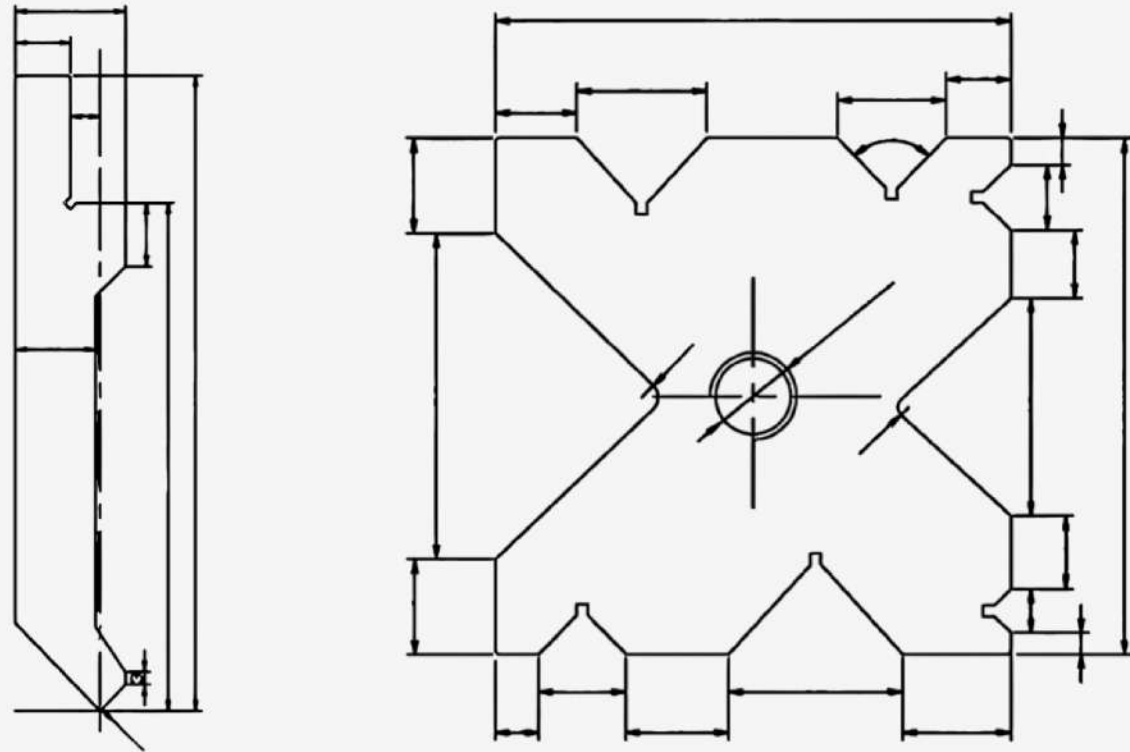
OPTIONAL

The CNC system calculates the required compensation based on the load force and the bending size of the workpiece, which leads to deflection deformation of the ram and the vertical plate of the work table. It then automatically controls and adjusts the relative displacement of the convex wedge block to effectively offset the deformation of the ram and the upright plate of the table. This ensures the workpiece achieves the desired bending result.



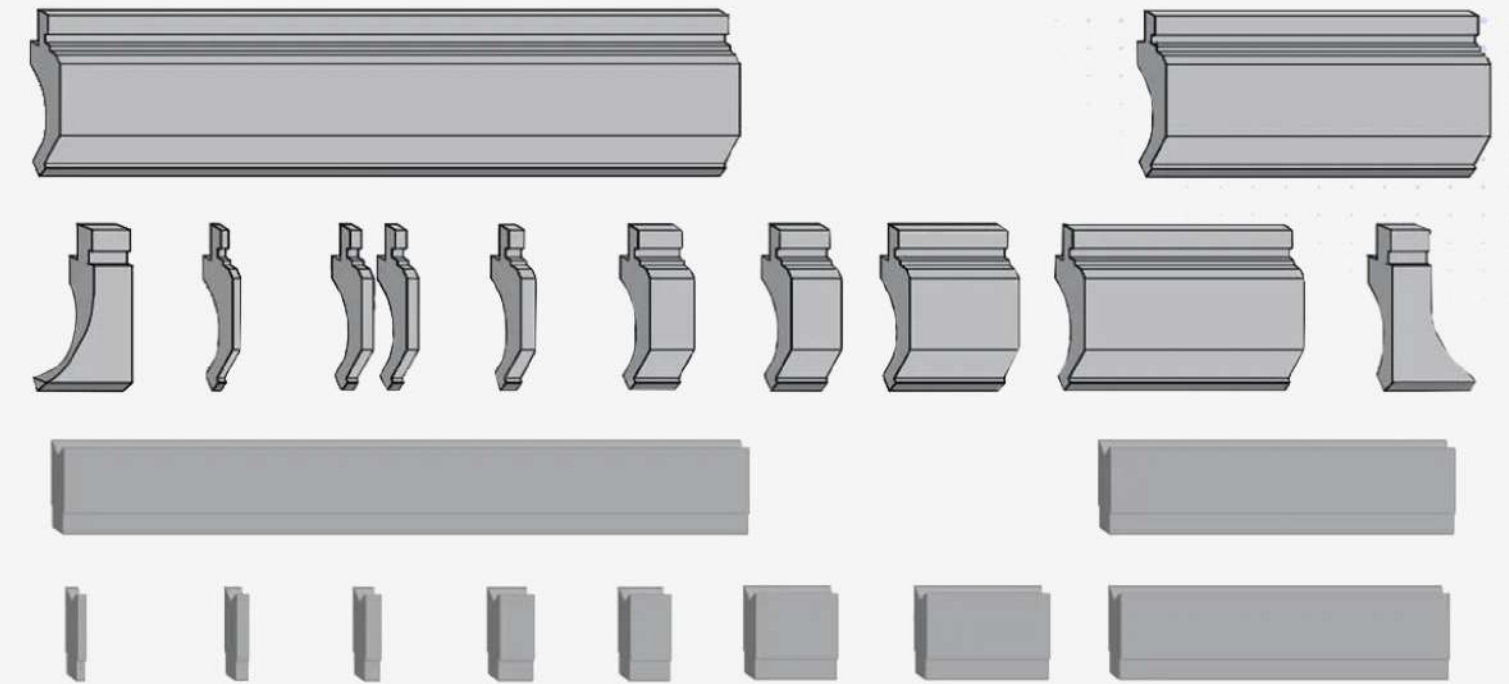
MANUAL CROWNING

MOTORIZED CROWNING



Standard Toolings

- Integrated quenching enhances durability, ensuring a longer working lifespan for precision press brake tooling.
- Offers a variety of upper and lower dies for flexible configuration to accommodate diverse processing requirements.
- Ensures consistent performance across applications with robust design crafted for reliability over extended usage.



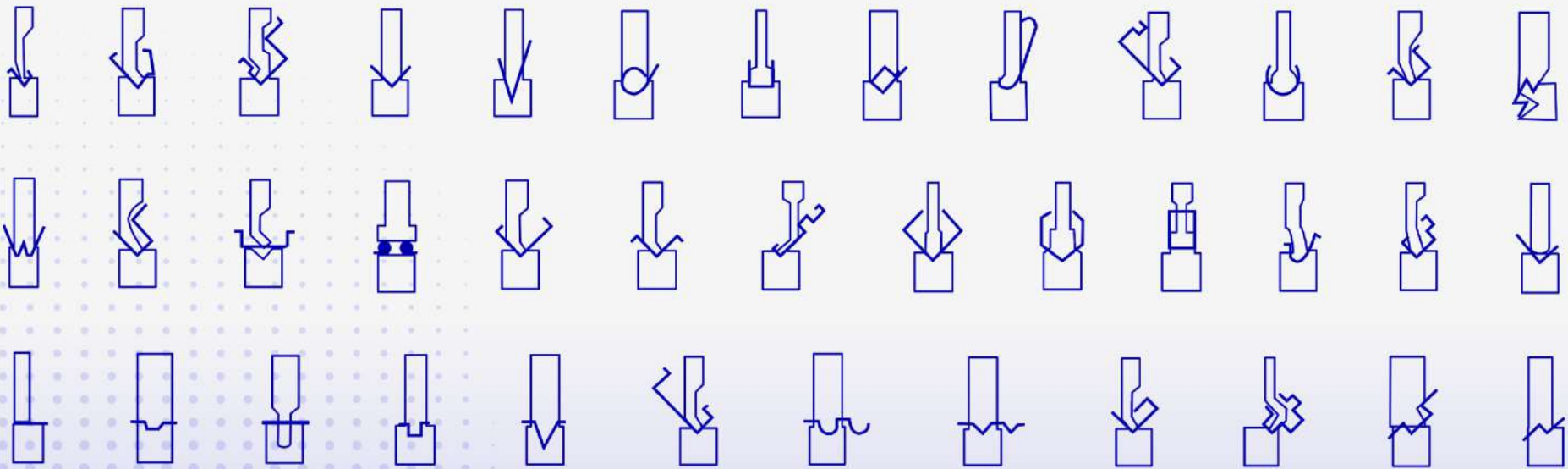
Segmented Toolings

- Modular segments of varying lengths provide customizable assembly for enhanced versatility and application range.
- Facilitates precise bending of box-shaped parts through user-defined segmentation to meet diverse size requirements.
- Supports diverse bending operations, including right-angle, acute-angle, and obtuse-angle bends, using split punches and dies.

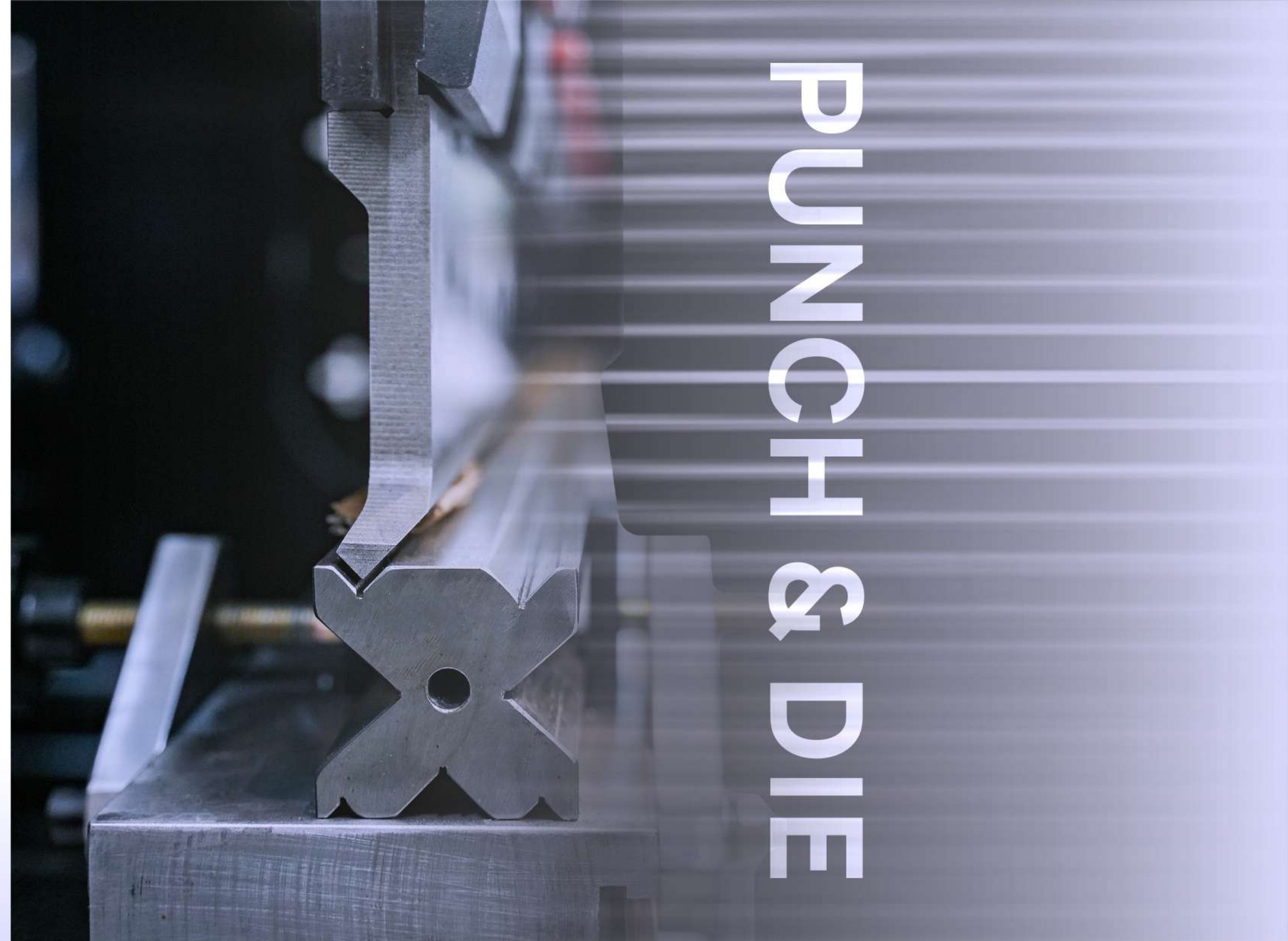
Die Drawing for Press Brake



Processing Workpiece Drawing



PUNCH & DIE



Specifications

WC67E Series

Model	Bending Force	Bending Length(A)	Oil Tank	Approching Speed	Ram Speed	Return Speed	Column Distance(B)	Throat Depth(D)	Stroke(C)	Daylight(E)	Main Motor	Weight	Dimensions
Unit	Kn	mm	L	mm/s	mm/s	mm/s	mm	mm	mm	mm	Kw	Ton	L×W×H mm
30t/1600	300	1600	80	120	17	160	1300	200	80	320	5.5	2.3	1650*1200*1700
30t/2000	300	2000	100	140	17	160	1600	200	80	320	5.5	2.5	2000*1200*1700
40t/2500	400	2500	170	110	15	90	2030	250	100	340	5.5	3.5	2500*1200*1900
63t/2500	630	2500	170	100	10	70	2050	250	120	340	5.5	4.5	2500*1350*2100
63t/3200	630	3200	170	120	10	70	2510	250	120	340	5.5	5	3200*1350*2100
80t/2500	800	2500	170	110	10	80	2050	250	120	350	5.5	6	2500*1400*2150
80t/3200	800	3200	170	130	10	80	2510	250	120	350	5.5	6.2	3200*1400*2150
100t/2500	1000	2500	260	90	7.5	70	2050	320	160	420	7.5	6.5	2500*1500*2200
100t/3200	1000	3200	260	100	7.5	70	2510	320	160	420	7.5	7	3200*1500*2300
100t/4000	1000	4000	260	120	7.5	70	3100	320	160	420	7.5	8.5	4000*1750*2590
125t/3200	1250	3200	260	95	7	65	2510	320	160	420	7.5	7.5	3200*1600*2350
125t/4000	1250	4000	260	110	7	65	3100	320	160	420	7.5	9.5	4000*1600*2450
125t/5000	1250	5000	260	120	7	65	3800	320	160	420	7.5	9	5000*1600*2450
125t/6000	1250	6000	260	130	7	65	4600	320	160	420	7.5	11	6000*1600*2450
160t/2500	1600	2500	260	100	10	100	2050	350	200	470	11	12	2500*1650*2700
160t/3200	1600	3200	260	110	10	100	2510	350	200	470	11	14.5	3200*1650*2800
160t/4000	1600	4000	260	120	10	100	3100	350	200	470	11	19.5	4000*1650*2800
160t/5000	1600	5000	260	130	10	100	3800	350	200	470	11	13.5	5000*1750*3100

Model	Bending Force	Bending Length(A)	Oil Tank	Approching Speed	Ram Speed	Return Speed	Column Distance(B)	Throat Depth(D)	Stroke(C)	Daylight(E)	Main Motor	Weight	Dimensions
Unit	Kn	mm	L	mm/s	mm/s	mm/s	mm	mm	mm	mm	Kw	Ton	L×W×H mm
160t/6000	1600	6000	260	140	10	100	4600	350	200	470	11	11.5	6000*1750*3300
200T/3200	2000	3200	435	110	10	100	2510	350	200	470	15	15	3200*1650*2800
200T/4000	2000	4000	435	120	10	100	3100	350	200	470	15	12.5	4000*1650*2800
200T/5000	2000	5000	435	120	7	80	3800	350	250	540	15	19	5000*1950*3100
200T/6000	2000	6000	435	120	7	80	4600	350	250	540	15	21	6000*1950*3100
250T/3200	2500	3200	435	90	9	100	2600	400	250	580	18.5	17	3300*2100*3150
250T/4000	2500	4000	435	100	9	100	3300	400	250	580	18.5	20	4000*2100*3150
250T/5000	2500	5000	435	110	8	100	3800	400	250	580	18.5	23	5000*2100*3200
250T/6000	2500	6000	540	120	8	100	4600	400	250	580	18.5	25.5	6000*2100*3200
300T/3200	3000	3200	540	90	8	75	2600	400	250	580	18.5	21	3200*2200*3200
300T/4000	3000	4000	540	100	8	75	3100	400	250	580	18.5	23	4000*2200*3200
300T/5000	3000	5000	550	110	8	75	3800	400	250	580	18.5	25	5000*2200*3200
300T/6000	3000	6000	560	130	8	75	4600	400	250	580	18.5	27.5	6000*2200*3200
400T/4000	4000	4000	540	70	7	60	3100	400	250	580	22	26	4000*2400*3200
400T/5000	4000	5000	550	90	7	60	3800	400	250	580	22	32	5000*2400*3200
400T/6000	4000	6000	550	100	7	60	4400	400	250	580	22	35	6000*2400*3200
500T/4000	5000	4000	620	70	6	55	3100	500	320	620	30	33	4000*2650*3200
500T/5000	5000	5000	620	90	6	55	3800	500	320	620	30	37.5	5000*2650*3200
500T/6000	5000	6000	620	120	6	55	4410	500	320	620	30	43.5	6000*2700*3200
500T/7000	5000	7000	620	130	6	55	5400	500	320	620	30	55	7000*2700*3200
600T/4000	6000	4000	650	80	6	65	3100	500	320	620	37	45	4000*2700*3200
600T/5000	6000	5000	650	90	6	65	3800	500	320	620	37	48	5000*2700*3250
600T/6000	6000	6000	650	110	6	65	4600	500	320	620	37	55	6000*2700*3300
600T/7000	6000	7000	650	120	6	65	5400	500	320	620	37	62	7000*2900*3500