MIHARMLE®

Harmle Product Catalogue

CHINA SHEET METAL PROCESSING EQUIPMENT MANUFACTURER AND SUPPLIER

Address：Bowang District, Maanshan City, Anhui Province
Website：
https://miharmle-cnc.com/
https://www.miharmle-duct.com/
WhatsAPP：+86 189 4958 9551
Email：postmaster@miharmle.com

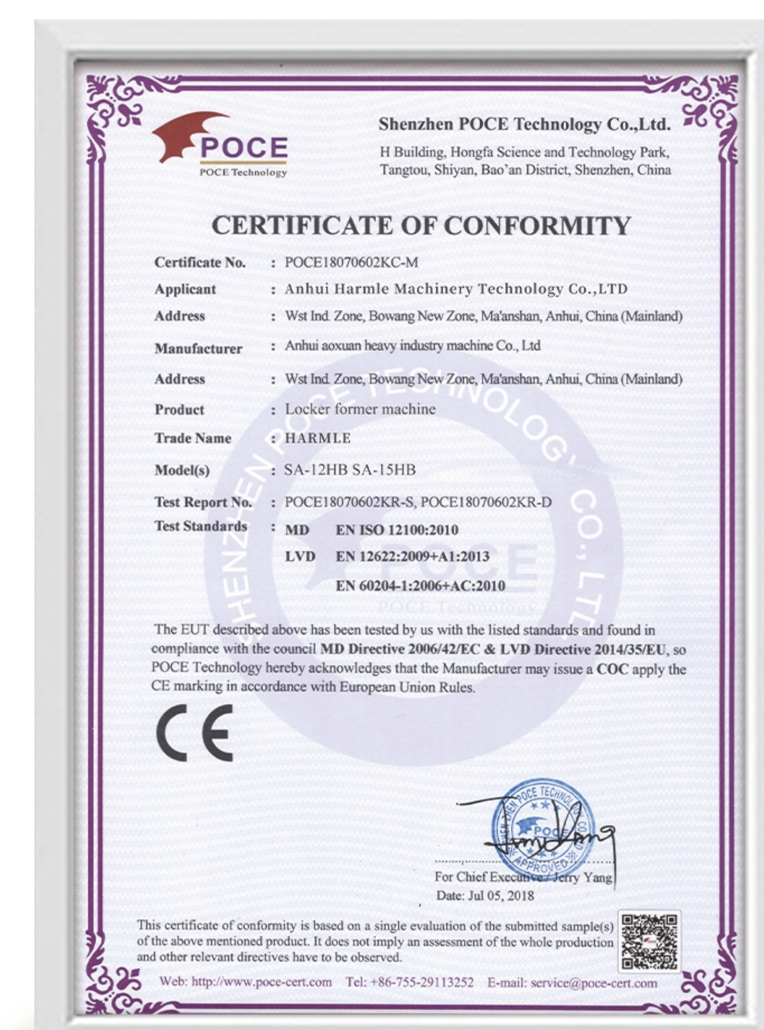
Anhui Harmle Machinery Technology Co.,LTD

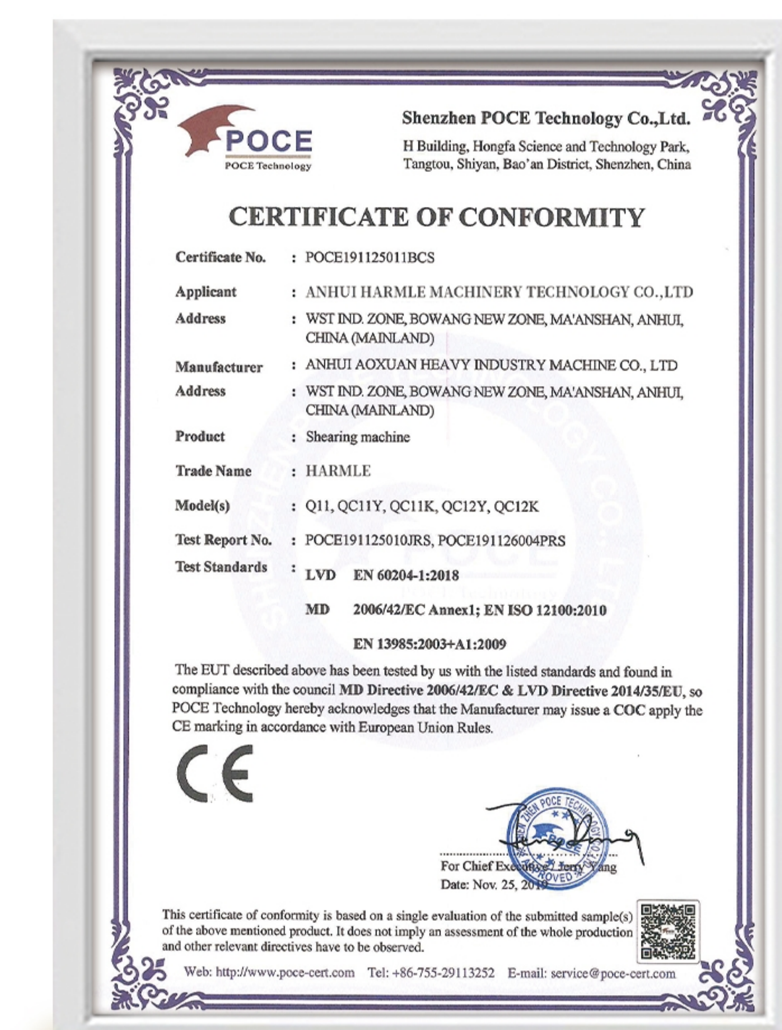
Anhui Harmle Machinery Technology Co.,LTD is a comprehensive manufacturer of sheet metal processing equipment in China. The first factory mainly produces press brake machines,shearing machines, laser cutting machines, punching machines, ironworkers,grooving machines and other stamping machine tools, while the second factory mainly produces ventilation ducting equipment including air duct lines,folding machines, lock forming machines, roller bending machines, flange forming machines, etc.The company has internal R&D department, production and processing department, purchasing department, quality inspection department, after-sales installation department, domestic and foreign sales department.And the company is equipped with ERP software management internally. It systematically assigns responsibilities and manages the process from pre-sales, sales and after-sales aspects such as consultation, quotation, order placement, export, remote or door-to-door commissioning and installation, which can provide professional services to domestic and foreign customers more efficiently.

Anhui Harmle was established in 2021, the factory is located in Bowang District, Anhui Province, which is known as "the first town of China's die-cutting machine tools" with superior location and convenient transportation. The factory covers a total area of 40,000 square meters and has more than 100 employees in engineering, production and sales.The company has passed ISO9001 quality management system certification as well as CE certification for several products. It is also equipped with advanced CNC milling machine, large-scale floor boring and milling machine processing equipment, CNC horizontal machining center, five axis machining centets, American Neway gantry machining center, laser focus analyzer, ultra-high precision digital microscope and other advanced processing and testing equipment.The company implements Harmle quality management system in every step of R&D, processing and quality inspection, and provides professional equipment and solutions for automotive parts, medical devices, kitchenware, sanitary ware, aerospace, agricultural machinery and other fields.The annual production value of Harmle Machinery reaches RMB 55 million, and the company's products are exported to more than 50 countries and regions around the world, such as Europe, America, the Middle East, and South Central Asia. The annual export value reaches thirty-five million.

Mission:Providing professional solutions for the global sheet metal processing industry
Vision:Become a top 100 global supplier of sheet metal processing equipment
Value:Customer First, Quality First, Struggle Oriented

CE Certificate





certificate of honor

Seeing the strength of the enterprise makes it more reassuring

Anhui Harmle

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Content

Press brake series

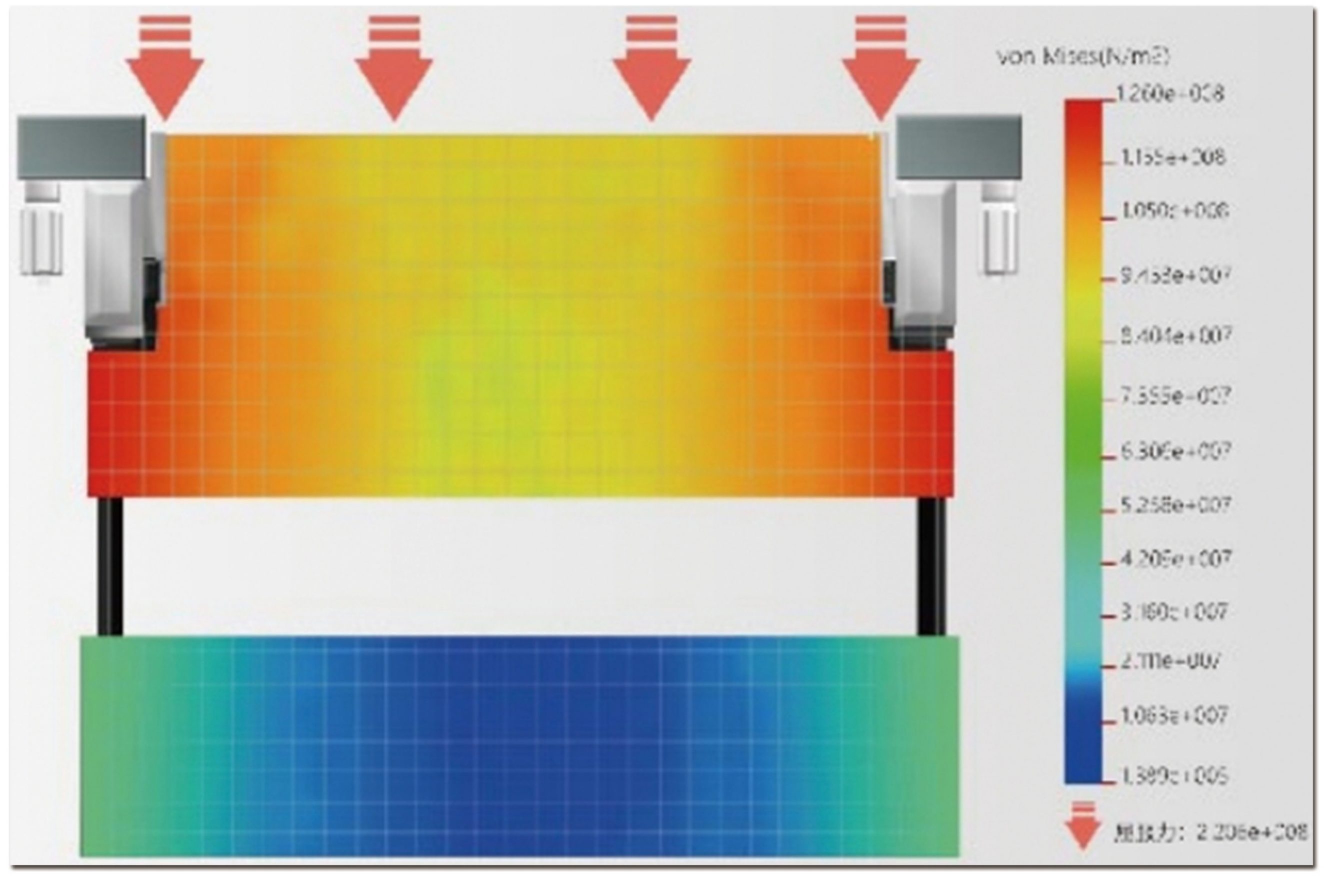
WE67K SERIES

CNC Electro Hydraulic Servo Press Brake

- •Imported configuration, stable and reliable
- •High strength frame with thick plate and sufficient material
- •High precision rear blocking system
- •Standard 4+1 axis NC (Y1, Y2, X, R+W)
- •Closed loop control of worktable automatic mechanical deflection compensation

RIGID FRAME

Adopt all steel welding frame and assembly workbench structure, with high precisiong and good rigidity, UG\ANSYS\CAD 3D finite element analysis and optimization design are adopted for the main components to ensure the overall stability of the rack



C-TYPE THROAT DEFORMATION COMPENSATION

Accurately measure the smile deformation caused by the bending force of the machine tool and provide feedback compensation

GIVI MISURE FAGOR

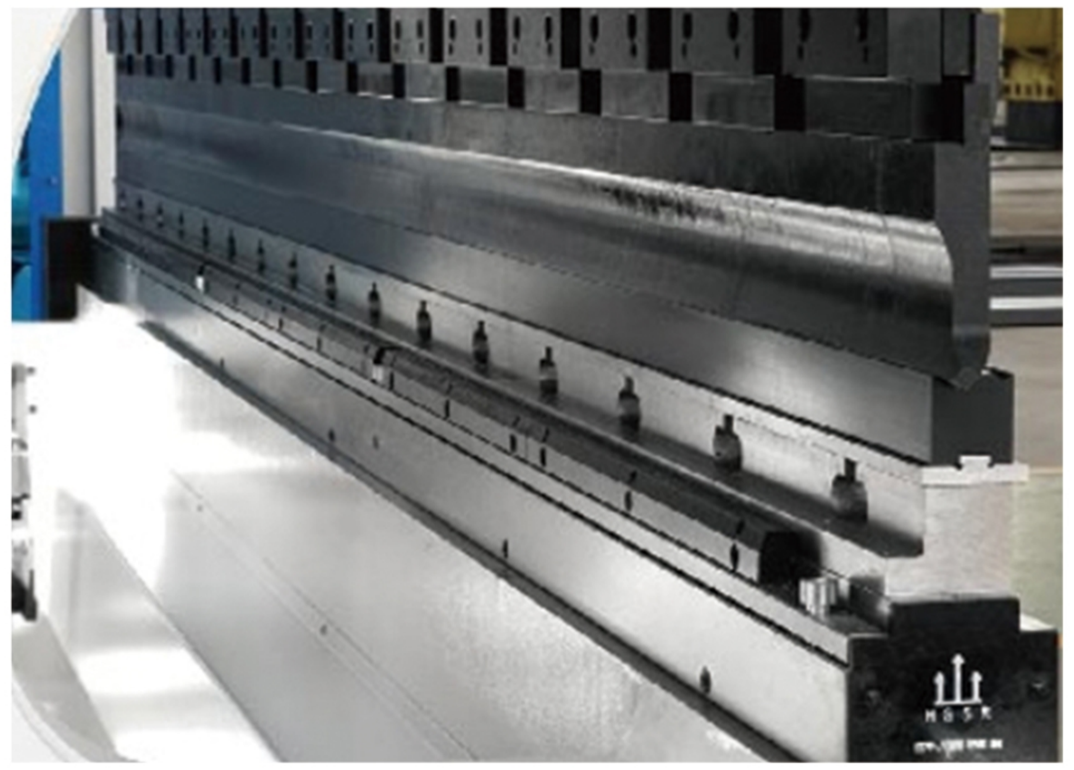
HIGH PRECISION MECHANICAL COMPENSATION DEVICE

Compensation closed-loop control with high control accuracy, and the compensation amount is automatically calculated and set by the CNC system, ensuring consistent bending angle throughout the entire length

Press brake series

LASER SAFETY PROTECTION

Provide comprehensive protection for operators in close proximity to the workpiece



HIGH QUALITY PRESS BRAKE MOULD

Forged and processed, overall quenched, durable. High precision, high straightness, high repeatability, ultimately achieving ideal bending effect

MOVING THE FRONT SUPPORT FRAME

Mobile front support bracket, moving along a linear guide rail, can be parked at any position, with rotation and height adjustment functions to assist in your bending work

CNC SYSTEM OPTIONAL

CybTouch 12 PS (Cybelec)

VIS-640(ESA)

DA-53T(Delem)

DA-58T(Delem)

DA-66T(Delem)

DA-69T(Delem)

TECHNICAL PARAMETER

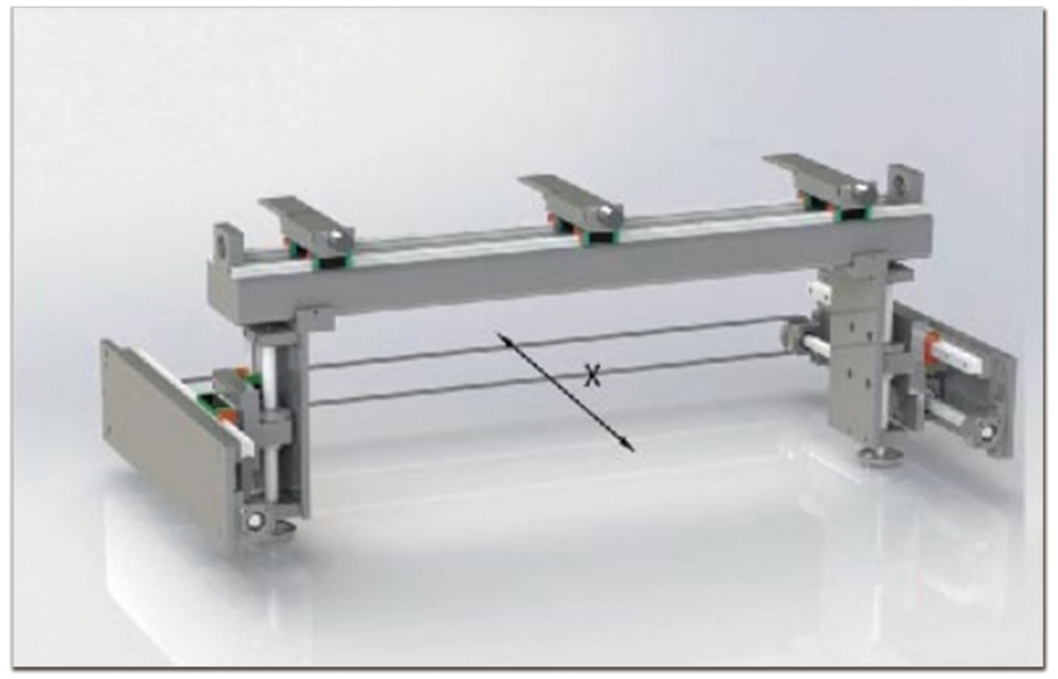
Model	Nominal Pressure	Workbench length	Distance between Housings	Throat Depth	Ram stroke	Steokes above	Max open height	Main motor	Overall dimensions L*W*H
WE67K-40/2500	400	2500	1900	280	100	20	320	5.5	2600*1100*1900
WE67K-63/2500	630	2500	2050	300	100	12	380	5.5	2605*1725*2355
WE67K-63/3200	630	3200	2670	250	100	10	380	5.5	3300*1725*2355
WE67K-80/2500	800	2500	2050	250	140	10	395	7.5	2605*1725*2355
WE67K-80/3200	800	3200	2660	250	140	10	395	7.5	3300/1725*2405
WE67K-100/2500	1000	2500	2050	320	140	8	395	7.5	2600*1800*2540
WE67K-100/3200	1000	3200	2660	320	140	8	395	7.5	3290*1740*2400
WE67K-100/4000	1000	4000	3060	320	140	8	395	7.5	4090*1740*2500
WE67K-100/5000	1000	5000	3960	320	140	8	395	7.5	5100*1740*2800
WE67K-125/3200	1250	3200	2510	320	140	8	395	7.5	3450*1740*2800
WE67K-125/4000	1250	4000	3160	320	140	8	395	7.5	4090*1740*2450
WE67K-160/3200	1600	3200	2540	330	200	6	457	11	3280*1930*2800
WE67K-160/4000	1600	4000	3140	330	200	6	457	11	4080*1930*2800
WE67K-160/4500	1600	4500	3300	330	200	6	457	11	4580*1930*2800
WE67K-200/4000	2000	4000	3140	330	200	3	457	11	4080*1930*2800
WE67K-250/5000	2500	5000	3900	400	200	5	560	20	5550*1900*3100
WE67K-300/3200	3000	3200	2500	400	250	3	630	19	3750*2200*3100
WE67K-300/4000	3000	4000	3070	400	250	3	630	23	4550*2200*3300
WE67K-300/5000	3000	5000	3900	400	250	3	630	26	5550*2200*3400
WE67K-300/6000	3000	6000	4900	400	250	3	630	30	6550*2200*3500
WE67K-400/4000	4000	4000	3000	400	300	2.5	770	26	4550*2600*3500
WE67K-400/5000	4000	5000	3900	400	300	2.5	770	30	5550*2600*3700
WE67K-400/6000	4000	6000	4900	400	300	2.5	770	36	6550*2600*3800
WE67K-500/4000	5000	4000	3000	450	350	2.5	860	37	4550*2800*3700
WE67K-500/5000	5000	5000	3900	450	350	2.5	860	46	5550*2800*3800
WE67K-500/6000	5000	6000	4900	450	350	2.5	860	55	6500*2800*3800
WE67K-600/6000	6000	6000	4900	450	350	2.5	860	60	6550*3000*4200

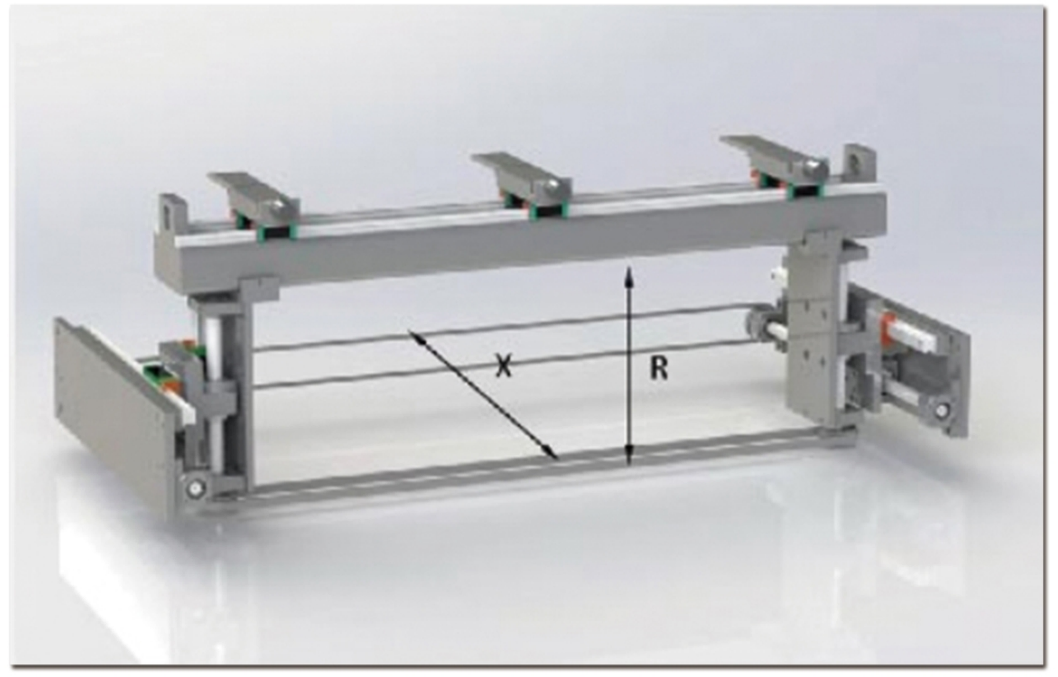
Press brake series

WC67K SERIES

NC HydraulicTorsion-bar Press Brake

- Standard two axis control (Y, X)
- Mechanical torque synchronization
- Domestic famous hydraulic integrated system
- Schneider or Siemens low-voltage electrical
- Inverter control motor operation
- Imported seals
- Ball screw back gauge operation control
- Standard upper and lower molds (upper inclined block type deflection compensation)
- Front material supporting frame



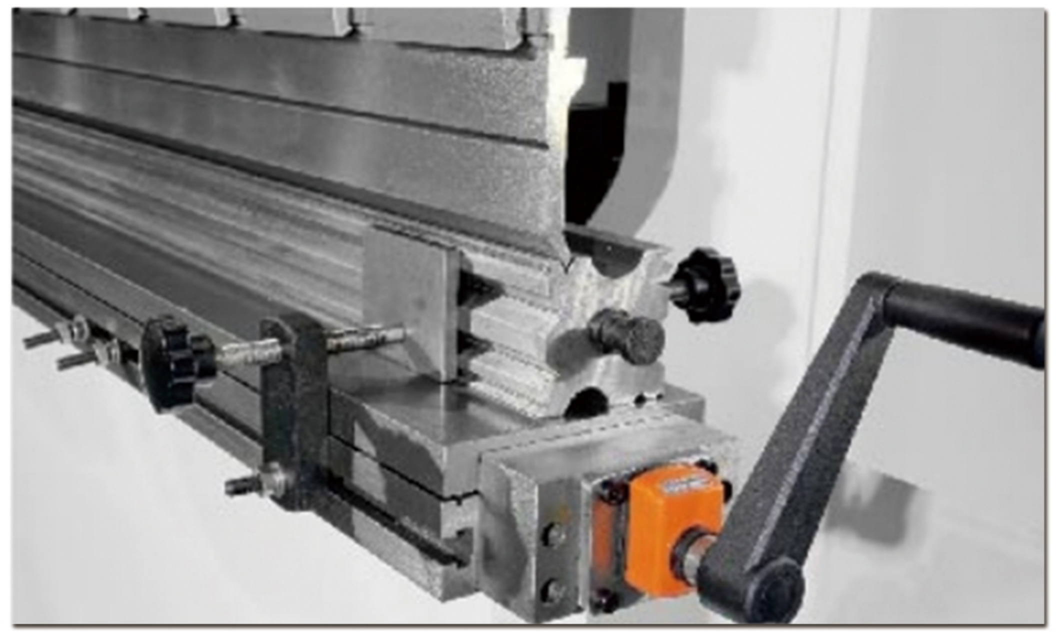


OPTICAL SAFETY GUARDS

The DSP LASER laser protection device imported from Italy can provide comprehensive and effective safety protection for the Press brake and protect the operator's personal safety.

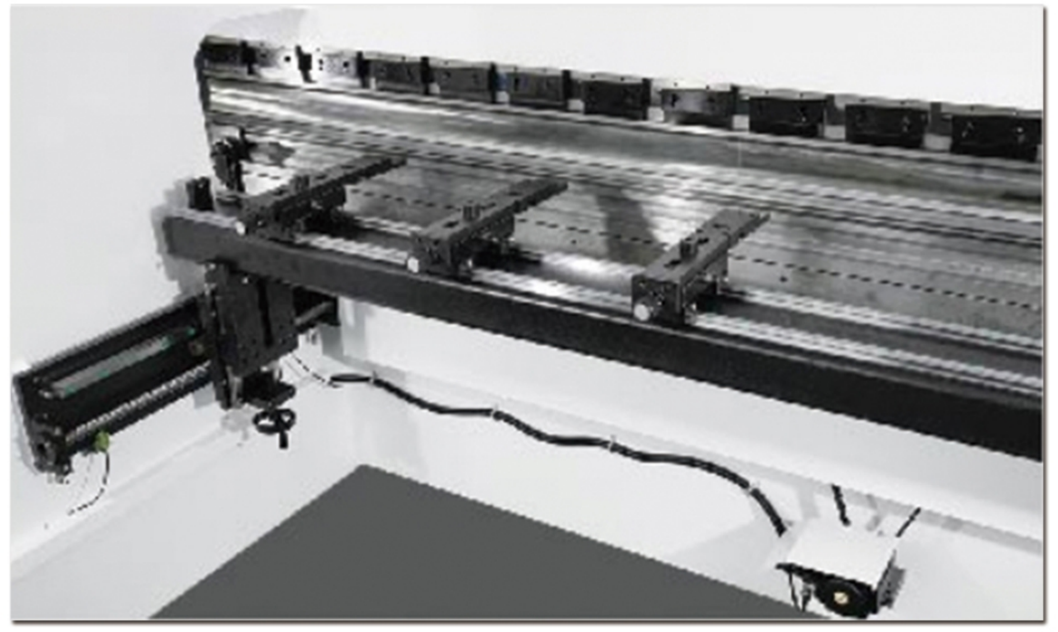
MECHANICAL COMPENSATION

Mechanical compensation, no oil leakage, low failure rate, and environmentally friendly.

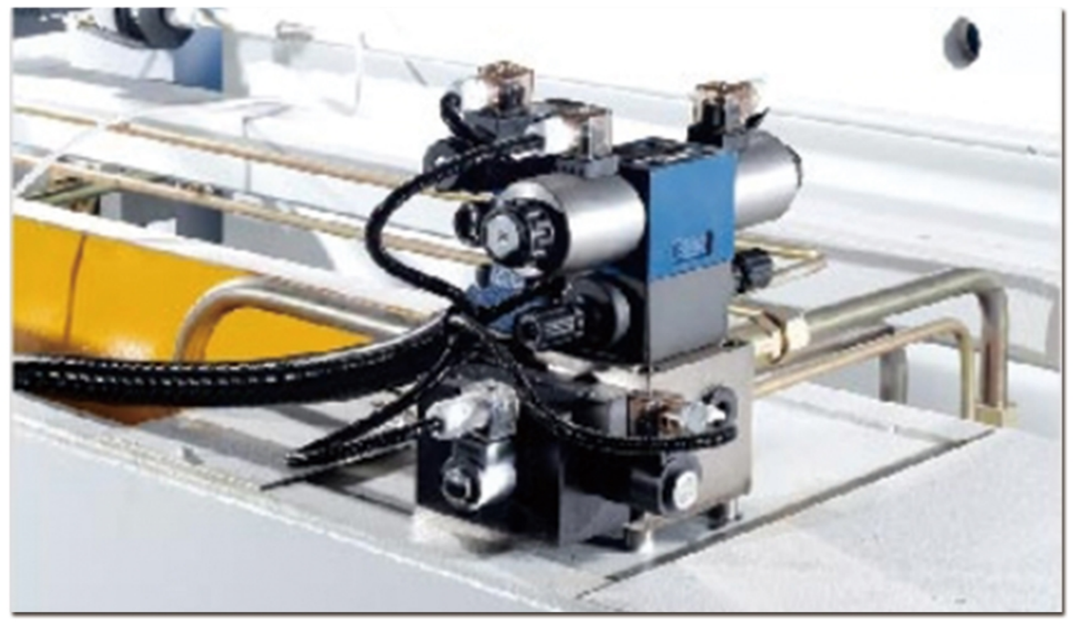


PREMIUM BACKGAUGE

Equipped with ball screw and linear guide rail, it has high operating accuracy and fast speed.



Press brake series

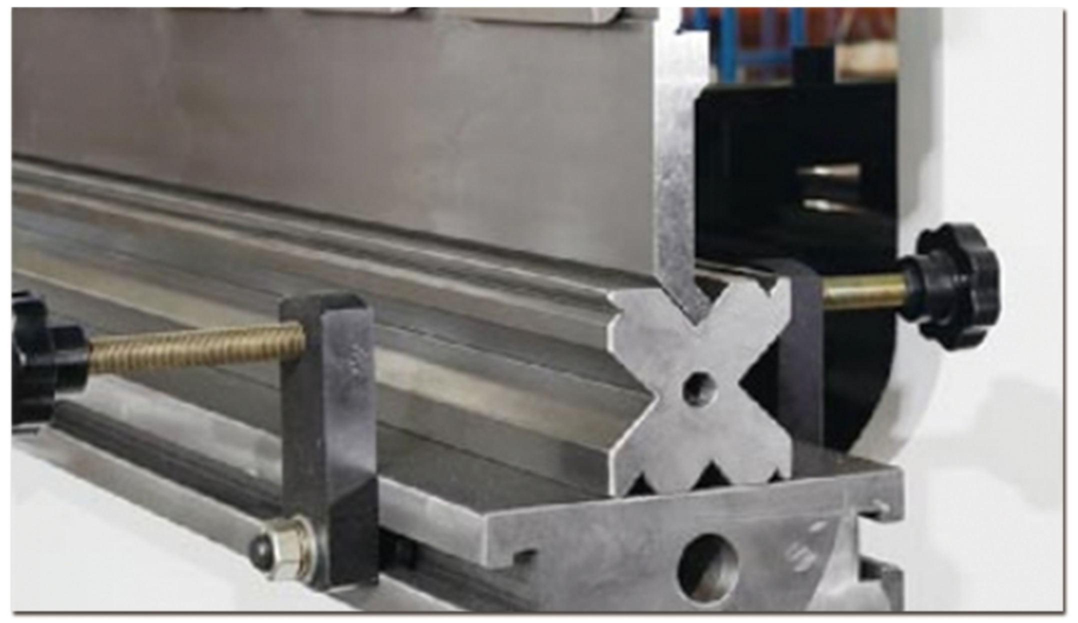


HYDRAULIC SYSTEM

Our Press brake uses an integrated hydraulic control system, which reduces the number of pipe connections, making it more reliable and easy to maintain. Optional Rexrot.

TORQUE SYNCHRONOUS CONTROL SYSTEM

Adopting a steel torsion shaft synchronous mechanism, the structure is very simple, but the accuracy is very high. There are two synchronous devices in the two sections of the swing rod, so the movement of the swing rod is always parallel to the workbench. The effect of balanced moveme-nt during the operation of this structure during spitting out



PUNCH & DIE

The standard upper die and multi V lower die can be used to bend sheets of various thicknesses. More Press brake dies can be designed according to your actual use.

FAST CLAMP

The standard equipped fast clamp will help you replace the upper mold in a very short time, Convenient and time-saving

CNC SYSTEM OPTIONAL

E21(ESTUN)

E200P(ESTUN)

E300P(ESTUN)

DA-41T(Delem)

CybTouch 8(Cybelec)

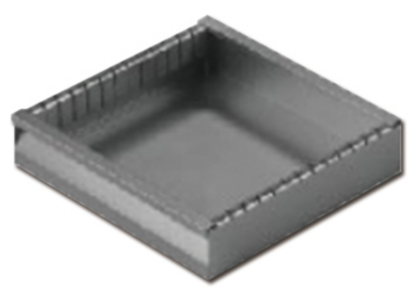
TP10S

TECHNICAL PARAMETER

Model	Nominal Pressure	Workbench length	Distance between Housings	Throat Depth	Ram stroke	Steokes above	Max open height	Main motor	Overall dimensions L*W*H
WC67Y/K-40/2500	400	2500	1900	280	100	20	320	5.5	2600*1100*1900
WC67Y/K-63/2500	630	2500	2050	300	100	12	380	5.5	2605*1725*2355
WC67Y/K-63/3200	630	3200	2670	250	100	10	380	5.5	3300*1725*2355
WC67Y/K-80/2500	800	2500	2050	250	140	10	395	7.5	2605*1725*2355
WC67Y/K-80/3200	800	3200	2660	250	140	10	395	7.5	3300/1725*2405
WC67Y/K-100/2500	1000	2500	2050	320	140	8	395	7.5	2600*1800*2540
WC67Y/K-100/3200	1000	3200	2660	320	140	8	395	7.5	3290*1740*2400
WC67Y/K-100/4000	1000	4000	3060	320	140	8	395	7.5	4090*1740*2500
WC67Y/K-100/5000	1000	5000	3960	320	140	8	395	7.5	5100*1740*2800
WC67Y/K-125/3200	1250	3200	2510	320	140	8	395	7.5	3450*1740*2800
WC67Y/K-125/4000	1250	4000	3160	320	140	8	395	7.5	4090*1740*2450
WC67Y/K-160/3200	1600	3200	2540	330	200	6	457	11	3280*1930*2800
WC67Y/K-160/4000	1600	4000	3140	330	200	6	457	11	4080*1930*2800
WC67Y/K-160/4500	1600	4500	3300	330	200	6	457	11	4580*1930*2800
WC67Y/K-200/4000	2000	4000	3140	330	200	3	457	11	4080*1930*2800
WC67Y/K-250/5000	2500	5000	3900	400	200	5	560	20	5550*1900*3100
WC67Y/K-300/3200	3000	3200	2500	400	250	3	630	19	3750*2200*3100
WC67Y/K-300/4000	3000	4000	3070	400	250	3	630	23	4550*2200*3300
WC67Y/K-300/5000	3000	5000	3900	400	250	3	630	26	5550*2200*3400
WC67Y/K-300/6000	3000	6000	4900	400	250	3	630	30	6550*2200*3500
WC67Y/K-400/4000	4000	4000	3000	400	300	2.5	770	26	4550*2600*3500
WC67Y/K-400/5000	4000	5000	3900	400	300	2.5	770	30	5550*2600*3700
WC67Y/K-400/6000	4000	6000	4900	400	300	2.5	770	36	6550*2600*3800
WC67Y/K-500/4000	5000	4000	3000	450	350	2.5	860	37	4550*2800*3700
WC67Y/K-500/5000	5000	5000	3900	450	350	2.5	860	46	5550*2800*3800
WC67Y/K-500/6000	5000	6000	4900	450	350	2.5	860	55	6500*2800*3800
WC67Y/K-600/6000	6000	6000	4900	450	350	2.5	860	60	6550*3000*4200

1400S SERIES

Intelligent Flexible Bending Center



Press Type pANEL Bender

Adopting a pressure ratio design, the bending size can reach 2500mm * 1250mm. The fastest bending speed can reach 0.2 seconds per bend

Intelligent flexible bending center is an automatic product developed for the sheet metal industry to improve production efficiency, reduce labor intensity, and improve corporate image. The equipment has a 4.0 industrial structure, intelligent flexibility, fast working speed, Rapid prototyping of workpiece, high consistency, low power consumption, simple daily maintenance, high degree of automation, and simple operation. It is suitable for processing stainless steel, cold plate, aluminum plate and other industries, and can bend right angles, but not right angles, Complex shapes with various combinations such as arcs, folds up, folds down, and pressed edges, and can be compatible with manual loading and unloading or robots

Technical Parameter	unit	Flexible bending center model	
		1400	2000
Feeding method	/	sucked type	Pressure arm type
Bending Length	mm	1400	2000
Max bending height	mm	170	170
Min bending height	mm	4	4
Min forming size on all four sides	mm	400*250	300*300
Min forming size on one side	mm	160	160
Min arc radius	mm	1.2	1.2
Minimum continuous bending speed	s	0.2	0.25
Bending angle	°	0-180	0-180
Controlled Axes	axle	9	10
Axis positioning accuracy	mm	0.01	0.01
Max feeding speed	m/min	60	120
Average power	KW	1.5	2
Total power	KW	45	55
Bending mold	mm	standard configuration	standard configuration
Equipment size	mm	3700*3000*2750	5780*3100*2300
Equipment weight	T		

Thickness parameter of Bending plate

Material Properties	maximum thickness (mm)
stainless steel	0.3-1.0
Cold plate	0.3-1.5
Aluminum plate	0.3-2.0

Main product configuration

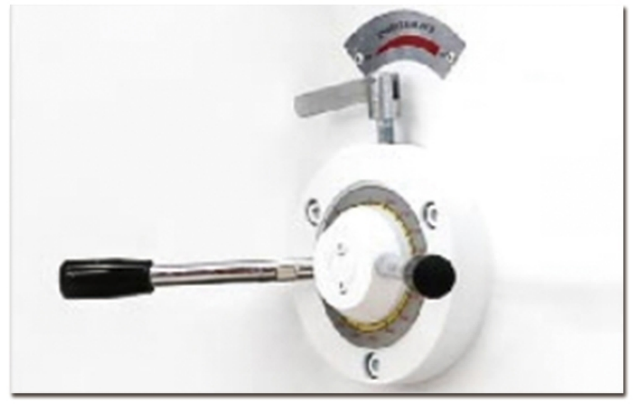
name	Brand
Control system	Independent R&D
servo motor	INVT
Servo drive	INVT
Linear guide rail	Rextroth, Germany
Grinding ball screw	HIWIN, Taiwan
Electrical components	Schneider, France
pneumatic components	AirTAC, Taiwan
Oil circuit components	DALOMA
bearing	NSK
Reducer	Wanxin, Taiwan

SHEARING MACHINE SERIES

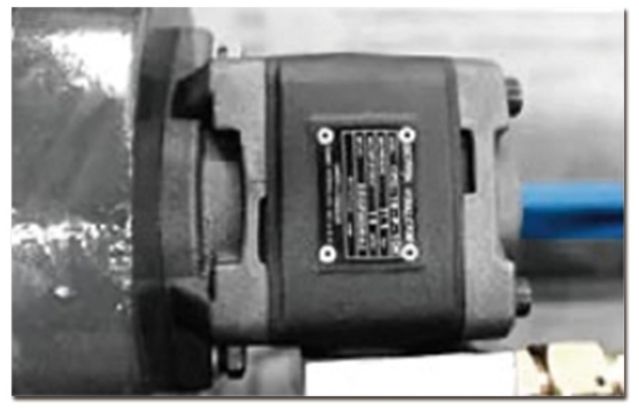
QC12K SERIES

Hydraulic CNC Swing Beam Shear

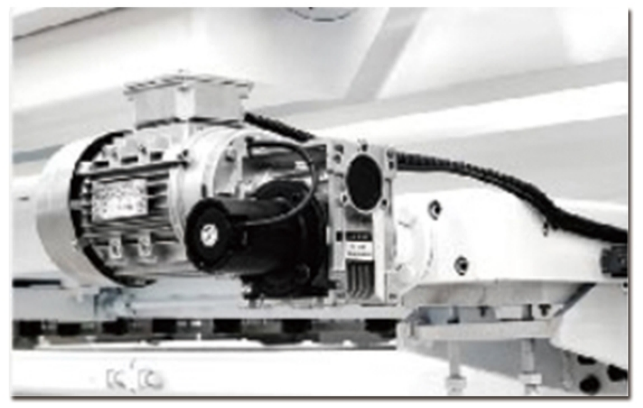
- Steel plate welding structure, hydraulic transmission, nitrogen cylinder return stroke, operating whip, reliable perfor-mance, and beautiful appearanc
- Edge adjustment signs,adjusts lighely and quickly, continuously variable transmission
- Lighting device on the line,and continuously variable adjustme-nt of upper carrier itinerary
- Fenwe type safety protection device
- Back gauge adopts E21S CNC,with low noise and high precision



Manual Blade Gap Adjustment Device



Brand oil pump



Backgauge Motor

CNC SYSTEM OPTIONAL

MD11-1

E21S(ESTUN)

E200PS(ESTUN)

CybTouch 8G (CYBELEC)

DAC 360(Delem)

TECHNICAL PARAMETER

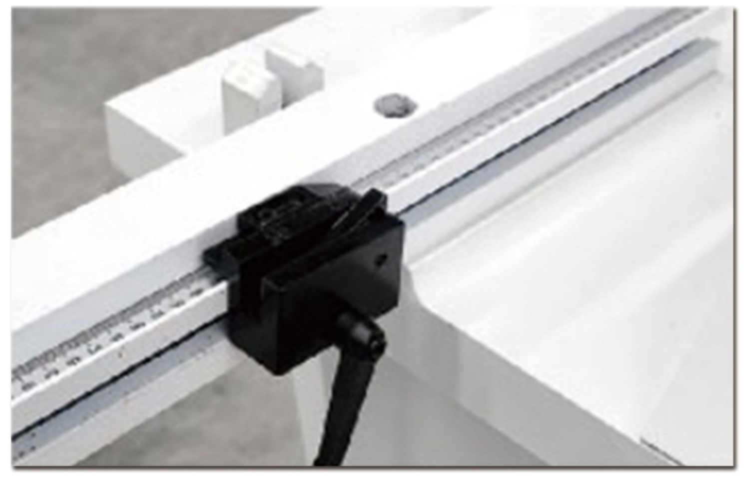
Model	Cutting Thickness	Cutting Length	Cutting Angel	Material Strength	Backgauge Adjust Range	Stroke Times	Main motor power	Overall Dimensions
TYPE	(mm)	(mm)	(°)	(KN/CM)	(mm)	(Times/min)	(KW)	L*W*H(mm)
QC12Y/K 4*2500	4	2500	1° 30′	≤450	20-500	16	5.5	3040*1550*1550
QC12Y/K 4*3200	4	3200	1° 30′	≤450	20-500	13	5.5	3840*1550*1550
QC12Y/K 4*4000	4	4000	1° 30′	≤450	20-600	10	5.5	4600*1700*1700
QC12Y/K 4*6000	4	6000	1° 30′	≤450	20-800	5	7.5	6460*2100*3200
QC12Y/K 6*2500	6	2500	1° 30′	≤450	20-500	15	7.5	3040*1710*1620
QC12Y/K 6*3200	6	3200	1° 30′	≤450	20-500	12	7.5	3840*1710*1620
QC12Y/K 6*4000	6	4000	1° 30′	≤450	20-600	9	7.5	4620*1850*1700
QC12Y/K 6*5000	6	5000	1° 30′	≤450	20-600	8	7.5	5410*1710*1620
QC12Y/K 6*6000	6	6000	1° 30′	≤450	20-800	5	11	6480*2100*2300
QC12Y/K 8*2500	8	2500	1° 30′	≤450	20-500	11	7.5	3040*1700*1700
QC12Y/K 8*3200	8	3200	1° 30′	≤450	20-500	8	7.5	3860*1700*1700
QC12Y/K 8*4000	8	4000	1° 30′	≤450	20-600	8	7.5	4640*1700*1700
QC12Y/K 8*5000	8	5000	1° 30′	≤450	20-600	8	7.5	5400*2400*2000
QC12Y/K 8*6000	8	6000	1° 30′	≤450	20-800	8	11	6480*2100*2350
QC12Y/K 10*2500	10	2500	1° 30′	≤450	20-500	10	11	3040*1800*1700
QC12Y/K 10*3200	10	3200	1° 30′	≤450	20-500	10	11	3860*2000*1700
QC12Y/K 10*4000	10	4000	1° 30′	≤450	20-600	10	11	4650*2100*2000
QC12Y/K 10*6000	10	6000	1° 30′	≤450	20-800	10	15	6500*2100*2300
QC12Y/K 12*2500	12	2500	2°	≤450	20-600	12	18.5	3140*2050*2000
QC12Y/K 12*3200	12	3200	2°	≤450	20-600	10	18.5	3880*2150*2000
QC12Y/K 12*4000	12	4000	2°	≤450	20-600	110	18.5	4680*2150*2100
QC12Y/K 12*5000	12	5000	2°	≤450	20-600	6	18.5	3245*1900*1900
QC12Y/K 12*6000	12	6000	2°	≤450	20-1000	5	18.5	6900*2600*2700
QC12Y/K 16*2500	16	2500	2° 30′	≤450	20-600	10	18.5	3140*2150*2000
QC12Y/K 16*3200	16	3200	2° 30′	≤450	20-600	10	18.5	3880*2150*2000
QC12Y/K 16*4000	16	4000	2° 30′	≤450	20-800	10	18.5	4650*2150*2200
QC12Y/K 16*5000	16	5000	2° 30′	≤450	20-1000	6	18.5	5900*2600*2700
QC12Y/K 16*6000	16	6000	2° 30′	≤450	20-1000	5	22	6900*2700*2700
QC12Y/K 20*2500	20	2500	3°	≤450	20-800	8	22	3440*2300*2500
QC12Y/K 20*3200	20	3200	3°	≤450	20-800	8	22	4150*2350*2700
QC12Y/K 20*4000	20	4000	3°	≤450	20-1000	5	22	4850*2600*2400
QC12Y/K 20*6000	20	6000	3°	≤450	20-1000	4	22	6700*3000*3000
QC12Y/K 25*2500	25	2500	3°	≤450	20-1000	8	37	3200*2700*2900
QC12Y/K 25*3200	25	3200	3°	≤450	20-1000	5	37	4200*2400*2500
QC12Y/K 30*2500	30	2500	3°	≤450	20-1000	4	37	3300*2900*3000
QC12Y/K 30*3200	30	3200	3° 30′	≤450	20-1000	4	40	4200*2500*2600
QC12Y/K 40*2500	40	2500	4°	≤450	20-1000	3	75	3200*3300*3200
QC12Y/K 40*3200	40	3200	4°	≤450	20-1000	3	90	4300*3300*3000

SHEARING MACHINE SERIES

QC11K SERIES

Hydraulic CNC Guillotine Shear

- Integrated steel sheet welded structure, eliminate stress by vibr-ation with good rigidity and stability
- Adopt advanced hydraulic integrated valve unit with Compact-structure, minimized pipe connection, in order to improve the reliability of the system and easy for maintain
- Serial linked oil cylinder,so the angle of shear will not change during the operation of Shear
- Accumulator return is smooth and swift
- Manual adjustment of blade gap, accurate, rapidand convenient
- the angle of shesr is adjustable,minimize distortion of plate
- Motorized back gauge,position display to improve its precision and convenience
- Rolling material support ball in order to minimize scuffing as well as friction resistance



Vertical adjustment and front stop position device

Angle measurement and positioning device (optional)

Fast blade gap adjustment device

TECHNICAL PARAMETER

Model	Cutting Thickness	Cutting Width	Oil Tank	Stroke Times	Backgauge Range	Cutting Angel	Main motor power	Overall Dimensions
	mm	mm	L	times/min	mm	°	KW	mm
Q11Y/K-6*2500	6	2500	300	16-25	20-800	30′-1°30′	7.5	3200*1950*2050
Q11Y/K-6*3200	6	3200	300	14-20	20-800	30′-1°30′	7.5	3900*1950*2075
Q11Y/K-6*4000	6	4000	340	12-17	20-800	30′-1°30′	7.5	4640*2000*2100
Q11Y/K-6*5000	6	5000	340	8-14	20-800	30′-1°30′	15	5780*2100*2380
Q11Y/K-6*6000	6	6000	340	7-12	20-800	30′-1°30′	15	6750*2200*2500
Q11Y/K-8*2500	8	2500	300	13-20	20-800	30′-1°30′	11	3150*1970*2055
Q11Y/K-8*3200	8	3200	300	11-18	20-800	30′-1°30′	11	3850*2050*2100
Q11Y/K-8*4000	8	4000	340	9-16	20-800	30′-1°30′	15	4650*2100*2400
Q11Y/K-8*5000	8	5000	350	8-15	20-800	30′-1°30′	15	5700*1950*2600
Q11Y/K-8*6000	8	6000	580	7-14	20-800	30′-1°30′	18.5	6750*2250*2615
Q11Y/K-13*2500	13	2500	405	10-20	20-800	30′-2°	22	3250*1950*2110
Q11Y/K-13*3200	13	3200	405	9-18	20-800	30′-2°	22	3900*2070*2315
Q11Y/K-13*4000	13	4000	405	8-16	20-800	30′-2°	22	4800*2150*2460
Q11Y/K-13*5000	13	5000	505	7-14	20-1000	30′-2°	22	5800*2270*2800
Q11Y/K-13*6000	13	6000	1020	6-12	20-1000	30′-2°	30	6950*2450*3050
Q11Y/K-16*2500	16	2500	475	9-18	20-800	30′-2°30′	22	3280*2020*2270
Q11Y/K-16*3200	16	3200	475	8-17	20-800	30′-2°30′	22	3950*2150*2450
Q11Y/K-16*4000	16	4000	595	7-15	20-800	30′-2°30′	22	4800*2130*2550
Q11Y/K-16*6000	16	6000	1020	6-11	20-1000	30′-2°30′	37	7000*2500*3000
Q11Y/K-16*8000	16	8000	2060	4-8	20-1000	30′-2°30′	45	9050*3180*3500
Q11Y/K-20*2500	20	2500	510	7-16	20-800	30′-3°	30	3200*2220*2520
Q11Y/K-20*3200	20	3200	510	6-15	20-800	30′-3°	30	3950*2150*2600
Q11Y/K-20*4000	20	4000	640	6-14	20-800	30′-3°	37	4750*2400*2900
Q11Y/K-20*6000	20	6000	1500	5-11	20-1000	30′-3°	30*2	7000*2850*3350
Q11Y/K-25*2500	25	2500	750	5-14	20-800	30′-3°30′	37	3270*2000*2650
Q11Y/K-25*3200	25	3200	820	5-10	20-800	30′-3°30′	37	3970*2200*2670
Q11Y/K-25*4000	25	4000	1200	5-8	20-800	30′-3°30′	45	4900*2800*3190
Q11Y/K-30*2500	30	2500	780	5-12	20-1000	30′-3°	45	3450*2500*2900
Q11Y/K-30*3200	30	3200	1000	4-10	20-1000	30′-3°30′	55	4150*2700*2850
Q11Y/K-30*4000	30	4000	1400	3-7	20-1000	30′-3°30′	55	5200*2600*3350
Q11Y/K-40*2500	40	2500	1370	4-8	20-1000	30′-4°	55	4000*2950*3150

PLANER MACHINE SERIES

Precision CNC Gantry Planer Machine

- Gantry strucyure, convenient loading and unloading.Environmental friendly air-conditionging, 3+1 CNC axis, servo motor control.
- Fully automatic processing to improve the accuracy of the trough.South Korea imported hydraulic system provides power,fast and reliable,low energy consumption and low noise.
- The bronze helical gears, 45 steel casting helical gear, and QH silent guide rail drive, the cutting process is smooth and efficient.
- The table is automatically repaired,the height is adjustable,the NC program is designed reasonably,with the keyboard-tybe input processing program.
- The working speed can be adjusted with the knob,depending on difrerent materials.

Width	1250mm	1250mm	1250mm
Length	4000mm	5000mm	6000mm
Thickness	0.5-4.0mm	0.5-4.0mm	0.5-4.0mm
V-shaped margin	6-8mm	6-8mm	6-8mm
X-axis max travel speed	70m/min	70m/min	70m/min
X-axis max retum speed	80m/min	80m/min	80m/min
Y1 axis max travel speed	20m/min	20m/min	20m/min
Z axis max retum speed	20m/min	20m/min	20m/min
Y1 axis,Z axis repeated positionging accuracy	±0.01mm	±0.01mm	±0.01mm
X axis motor power	5.5KW	5.5KW	5.5KW
Y1,Y2,Z axis motor power	1KW	1KW	1KW
Dimensions(length*width*height)	6150*2350*1560mm	7150*2350*1560mm	8150*2350*1560mm
Weight	8.5T	9T	11T

Precision CNC Vertical Planer Machine

- The main machine body is connected by high-strength bolts.After integrated processing and tempering treatment,it has strong shock resistance and good stability
- Adopting a rear feeding structure and ingenious design of a universal ball, the equipment will not damage the surface of the plate during feeding and discharging
- As a power transmission component, high-precision ball screw has high machining accuracy, low noise, and low energy consumption

Width	1250mm	1250mm	1250mm
Length	4000mm	5000mm	6000mm
Thickness	0.4-4.0mm	0.4-4.0mm	0.4-4.0mm
V-shaped margin	8mm	8mm	8mm
X-axis max travel speed	70m/min	70m/min	70m/min
X-axis max retum speed	85m/min	85m/min	85m/min
Y1 axis max travel speed	20m/min	20m/min	20m/min
Y1 axis,Z axis repeated positionging accuracy	±0.01mm	±0.01mm	±0.01mm
X axis motor power	4.5KW	4.5KW	4.5KW
Y1,Y2,Z axis motor power	1KW	1KW	1KW
Dimensions(length*width*height)	5740*2350*2110mm	6740*2350*2110mm	7740*2350*2110mm
Weight	10.5T	12T	18T

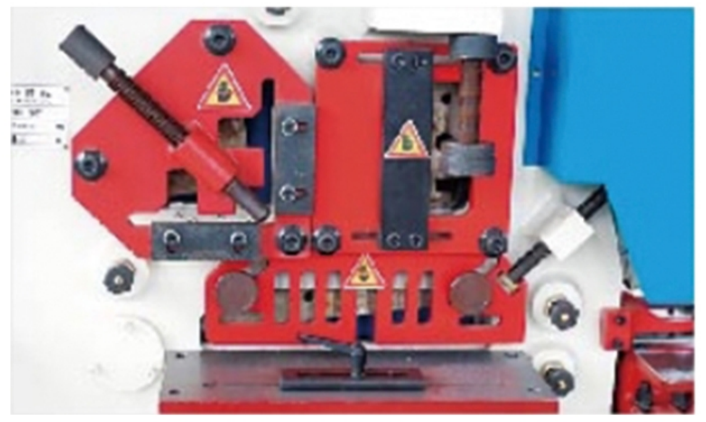
IRONWORKER MACHINE SERIES

Q35Y-20 SERIES

Hydraulic Ironworker Machine

- Using hydraulic transmission, is the present domestic multifunctional combined punching and shearing machines. the latest products to flat steel, square steel, round steel, angle steel, channel steel, I-beam steel to shear,punching,die cutting,can cut different angle 45 °

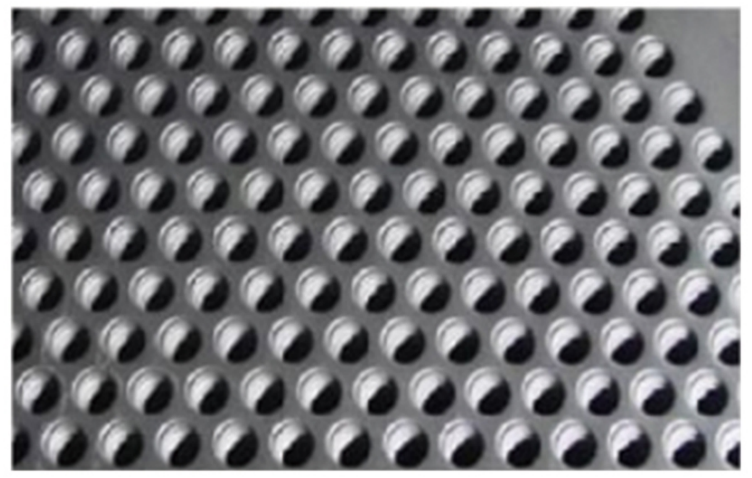
Punching Station



Material pressing device

Die shearing station

WORKPIECE DISPLAY



TECHNICAL PARAMETER

model	Punching Pressure(T)	Max cutting thickness of steel plates(mm)	Plate strength(N/m²)	Angle of Shear (°)	A trip size(T*W)(mm)	Slicher 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-12	35	12	≤450	7°	12*160 6*300	35	10-18	115	12	25	4	950*550*1800
Q35Y-16	60	16	≤450	7°	16*250 8*400	80	11-20	300	16	25	5.5	1740*810*1830
Q35Y-20	90	20	≤450	8°	20*330 10*480	80	12-20	355	20	30	7.5	1950*900*1950
Q35Y-25	120	25	≤450	8°	25*330 16*600	80	8-18	400	25	35	11	2355*960*2090
Q35Y-30	160	30	≤450	8°	30*335 20*600	80	6-16	600	28	38	15	2800*1050*2450
Q35Y-40	200	40	≤450	8°	40*335 30*600	100	6-16	530	35	40	18.5	2900*1100*2500
Q35Y-50	250	50	≤450	8°	50*300 30*750	100	6-12	600	40	45	18.5	3200*1440*2500

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								
Q35Y-12	35	30×30	86×86×8					
Q35Y-16	45	40×40	120×120×12	50×50×5	125×125×12	60×60×8	120×74×5	120×53×5.5
Q35Y-20	50	50×50	140×140×12	70×70×10	140×140×12	70×70×10	160×88×6	160×63×6.5
Q35Y-25	60	50×50	160×160×14	60×60×6	160×160×14	80×80×10	200×102×9	200×75×9
Q35Y-30	65	55×55	180×180×16	80×80×8	180×180×16	80×80×10	280×124×10.5	280×86×11.5
Q35Y-40	70	60×60	200×200×18	80×80×10	200×200×18	100×100×10	300×130×13	300×89×11.5
Q35Y-50	80	65×65	200×200×18	100×100×10	200×200×18	120×120×12	320×130×13	320×92×12

Sample parameters are subject to change without prior notice!

Y32 SERIES

4-column Hydraulic Press

- This machine is suitable for the pressing process of plastic materials, such as punching, bending, flanging, sheet stretching, etc. Can also be engaged in calibration, pressing, grinding wheel forming, cold extrusion of metal parts forming, plastic products and powder products pressing and forming processes
- This machine has an independent power mechanism and electrical system, and adopts centralized button control, which can achieve three operation modes: adjustment, manual, and semi-automatic
- The working pressure, pressing speed, and travel range of this machine can be adjusted according to process requirements. And it can complete two process methods: constant pressure and constant range forming. The constant pressure forming process has pressure holding and delayed automatic return action after pressing

Specification		Unit	Y32-63	Y32-100	Y32-160	Y32-200	Y32-315	Y32-400	Y32-500	Y32-630	Y32-800	Y32-1000	Y32-1250	Y32-1600	Y32-2000	Y32-2500	Y32-3000
Nominal force		KN	630	1000	1600	2000	3150	4000	5000	6300	8000	10000	12500	16000	20000	25000	30000
Knockout force		KN	160	250	250	400	630	630	1000	1600	2000	2000	2000	2500	3150	4000	5000
Max Height		mm	800	800	1000	1120	1250	1250	1500	1500	1500	1600	1500	1600	1800	2000	2000
Slide stroke		mm	500	500	500	710	800	800	900	900	900	1000	900	1000	1200	1200	1200
Knockout stroke		mm	200	200	200	250	300	300	360	360	360	450	400	450	450	500	500
Slider speed	Descent	mm/s	40	38	80	80	120	100	100	90	90	90	85	85	80	80	100
	Pressing	mm/s	7	10	6-15	5-12	5-12	4-10	4-10	5-12	5-12	4-10	4-10	4-10	4-10	4-10	5-12
	Return	mm/s	580	70	80	70	65	50	50	60	90	100	85	85	60	60	120
Table area	L-R	mm	550	630	800	900	1200	1200	1400	1600	2000	2000	2500	2500	2500	3000	4000
	F-B	mm	630	630	800	900	1200	1200	1400	1600	1600	1800	2000	2000	2000	2500	2600
Table hight above floor		mm	700	700	550	550	700	700	715	500	300	300	200	200	200	200	200
Overall dimensions	L-R	mm	2370	2200	2400	2450	2830	2850	3300	3600	4800	7010	5890	6500	6870	7630	8530
	F-B	mm	900	1200	1300	1300	1500	1500	1500	1800	2854	3000	3450	3900	2500	5000	4000
	H	mm	2770	2800	3200	3650	4300	4400	5400	5400	5400	5740	6980	7500	7500	7840	8500
Main motor power		KW	7.5	11	15	15	22	22	22	44	60	60	60	70	90	120	170

Parameters change without notice

Y41 SERIES

Single Column Hydraulic Press

- This series of machine tools adopts hand foot linkage operation. Easy to operate. The hydraulic system adopts integrated plug-in, with a compact structure and sensitive and reliable action. Low power and noise

Applications

- The machine tools of this series of products can be used for the calibration process of shafts and other parts. It can also be used for stretching, forming, and blanking processes of shaft and sleeve parts, as well as simple plate shaped parts

Type		Unit	25T	40T	63T	100T	160T	200T	250T	315T	400T	500T	1500T
Nominal force		KN	250	400	63	1000	1600	2000	2500	3150	4000	5000	15000
Max.hydraul ic pressure(KN)		Mpa	21	25	25	25	25	25	26	25	25	25	25
Max.opening height(mm)		mm	430	510	550	500	650	900	900	900	900	900	1000
Slipper stroke(mm)		mm	500	500	500	500	500	500	500	500	500	500	500
Slider descending speed		mm	≥35	403	30	24	≥20	18	23	23	23	23	18
Slider return speed		mm	≥85	80	70	50	≥80	55	55	55	55	55	50
Laryngeal deep		mm	320	250	250	320	360	380	380	400	400	450	500
Workbench size	Before and after	mm						700	700	750	750	750	800
	around	mm						900	900	900	900	900	1000
Height of workbench from ground		mm						750	800	850	900	900	900
Pump name								Pressure compensated variable axial piston pump					
Motor power		Kw	5.5	7.5	7.5	11	15	15	15	15	22	37	2-45

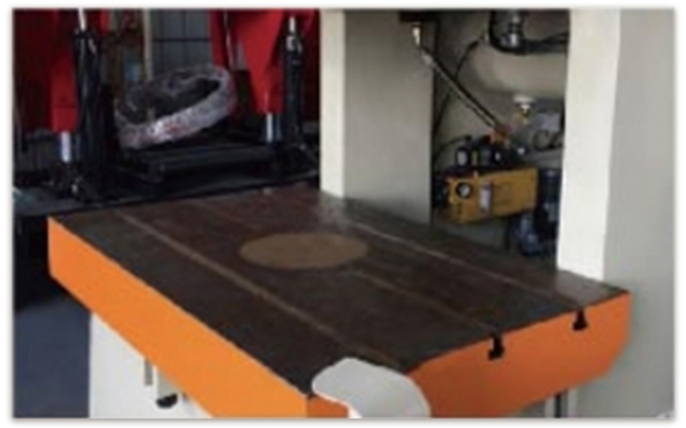
Sample parameters are subject to change without prior notice!

PUNCH PRESS SERIES

JH/JF21 SERIES

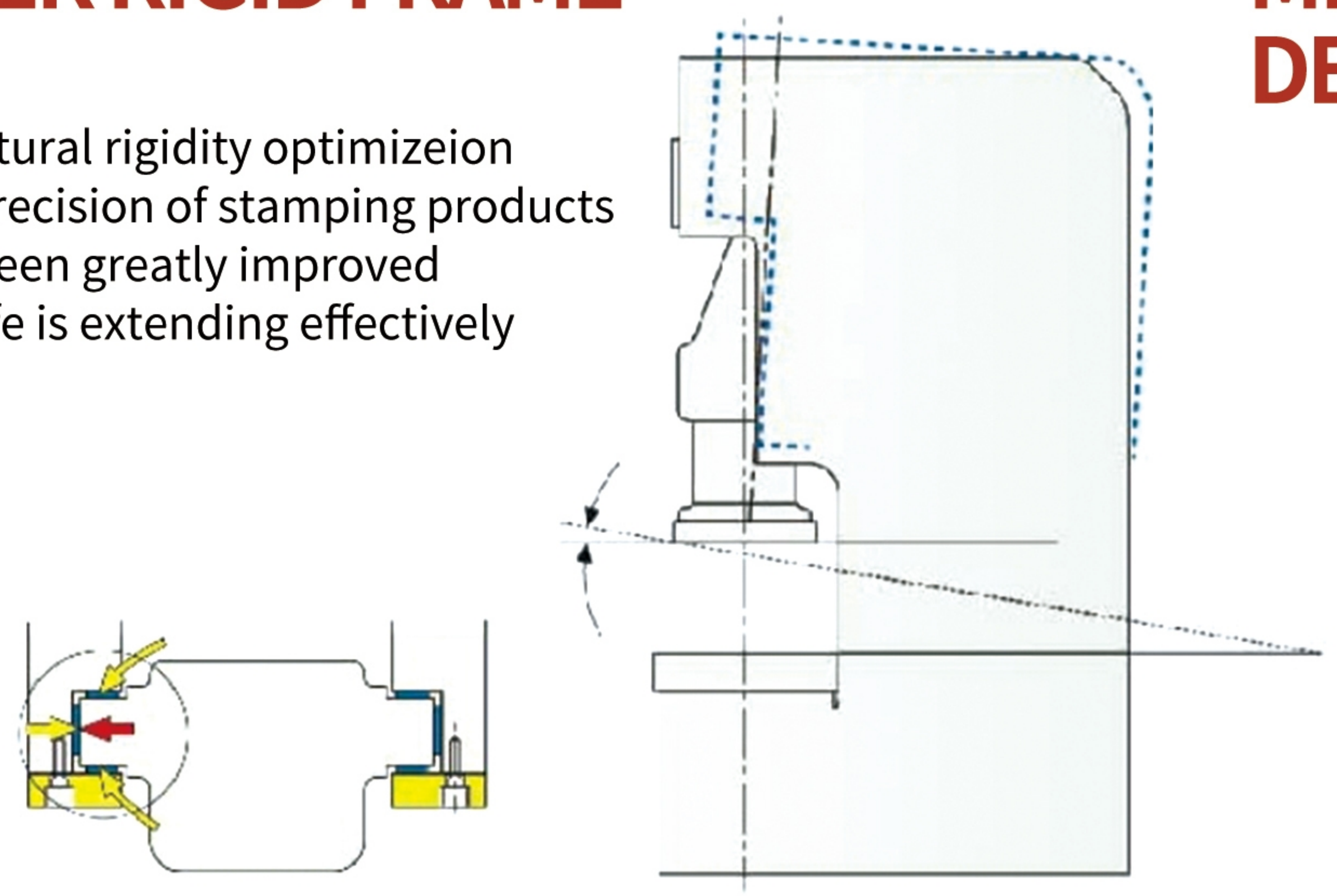
Pneumatic Punchine Machine

- Using of the pneumatic friction clutch and brake gets smooth combination, less abrasion long service life
- PLC controlled electrical has the operation specifications of inching, single and continuous
- The slider is fitted with light type safety,overload is protector is collapse,which guarantees the machine from being damaged
- Has the advantages of versatility, high precision, reliable performance,easy operation
- Automatic feeding device can realize the automation of punching operation

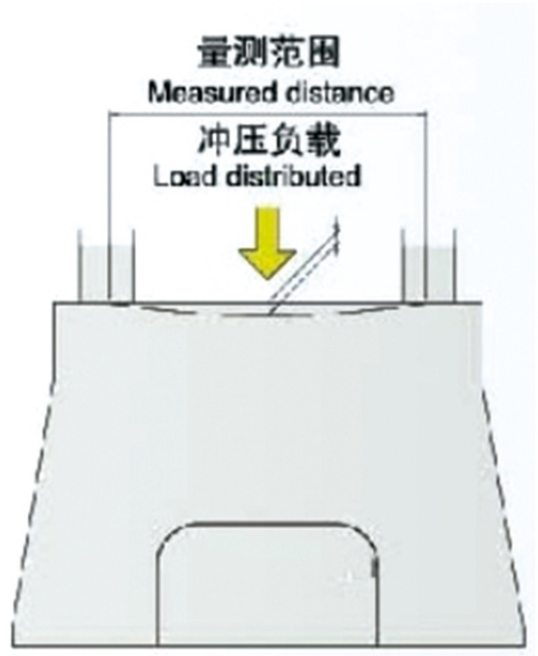


SUPER RIGID FRAME

- Structural rigidity optimizeion
  the precision of stamping products
  has been greatly improved
  Die life is extending effectively



MINIMIZED FRAME DEFLECTION

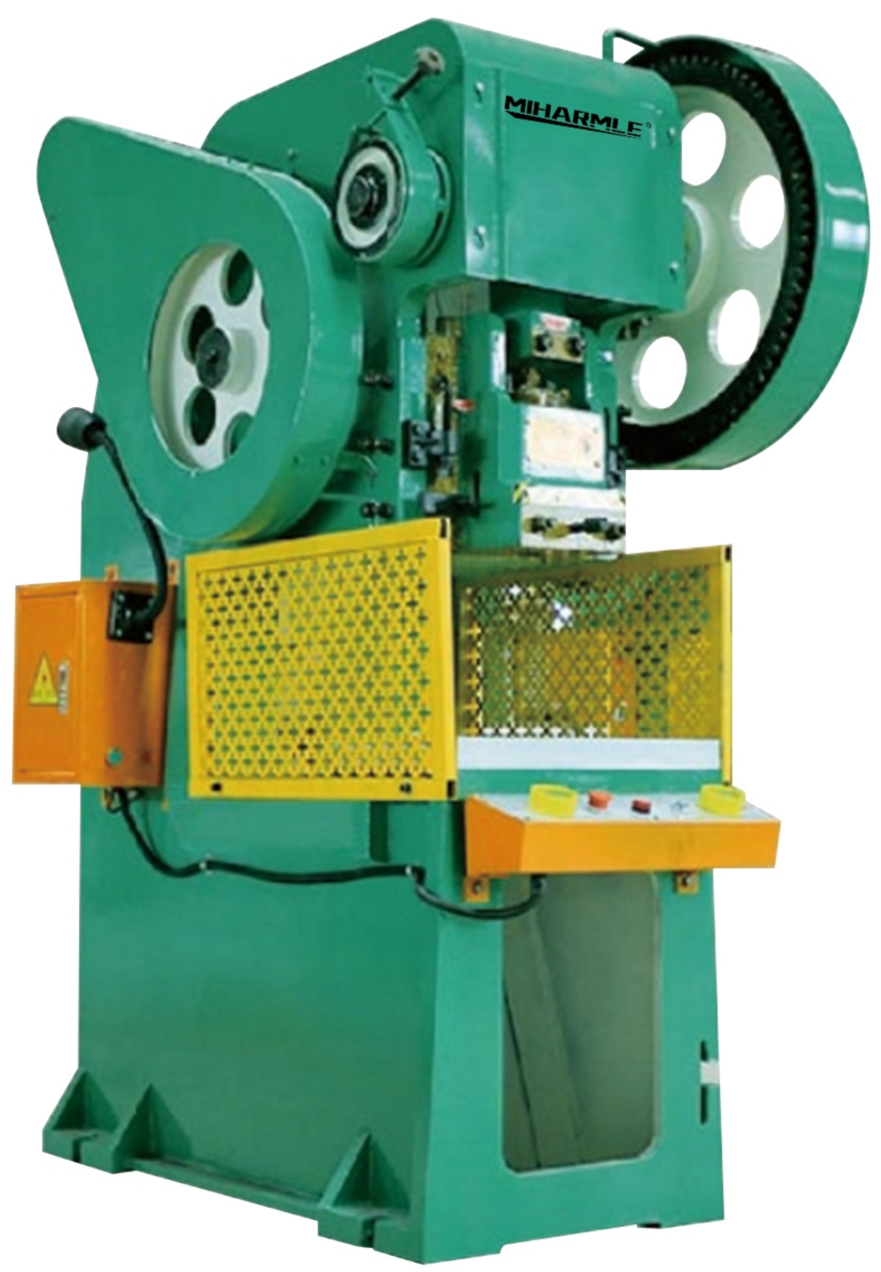


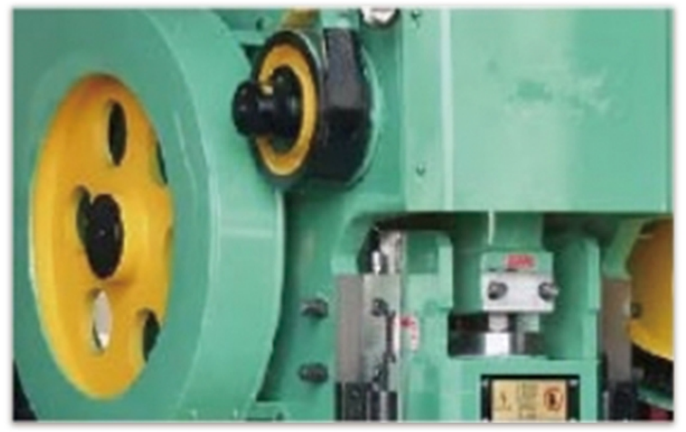
Technical Parameter		Unit	JH/JF21-60	JH/JF21-80	JH/JF21-100	JH/JF21-125	JH/JF21-160	JH/JF21-200
Nominal force		Kn	600	800	1000	1250	1600	2000
Slide stroke		mm	140	160	180	180	200	250
Number of stroke	Single speed		70	60	60	55	50	45
	Speed promise		50-80	40-75	35-70	35-65	30-55	25-45
Maximum shut height		mm	300	320	350	370	400	450
Closing height adjustment		mm	70	80	90	90	100	110
Distance between center of the slide to frame		mm	270	290	350	370	390	430
Distance between column of the body		mm	560	650	680	710	720	900
Working table size	F-B	mm	520	650	680	720	760	840
	L-R	mm	870	1000	1070	1120	1170	1390
Work bedplate hole size	Diameter	mm	150	150	160	160	/	/
Slider bottom size	F-B	mm	400	430	520	520	580	880
	L-R	mm	480	560	620	620	700	650
Size of the handle hole	Diameter	mm	50	60	70	70	70	70
	Depth	mm	60	80	80	80	100	100
Appearance size	F-B	mm	1615	1915	2200	2300	2355	2690
	L-R	mm	1200	1382	1419	1480	1515	1540
	Height		2570	2820	3190	3220	3250	3810
Motor power			7.5	7.5	11	15	15	18.5

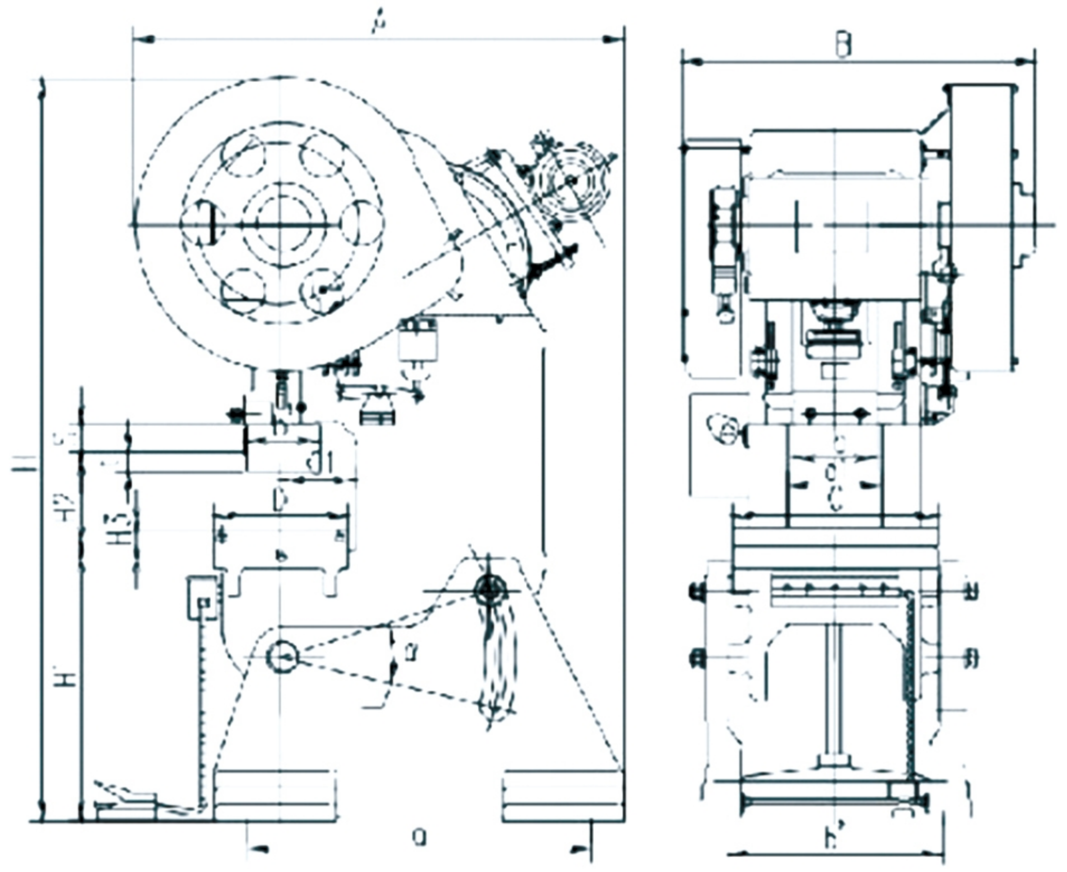
J23/J21 SERIES

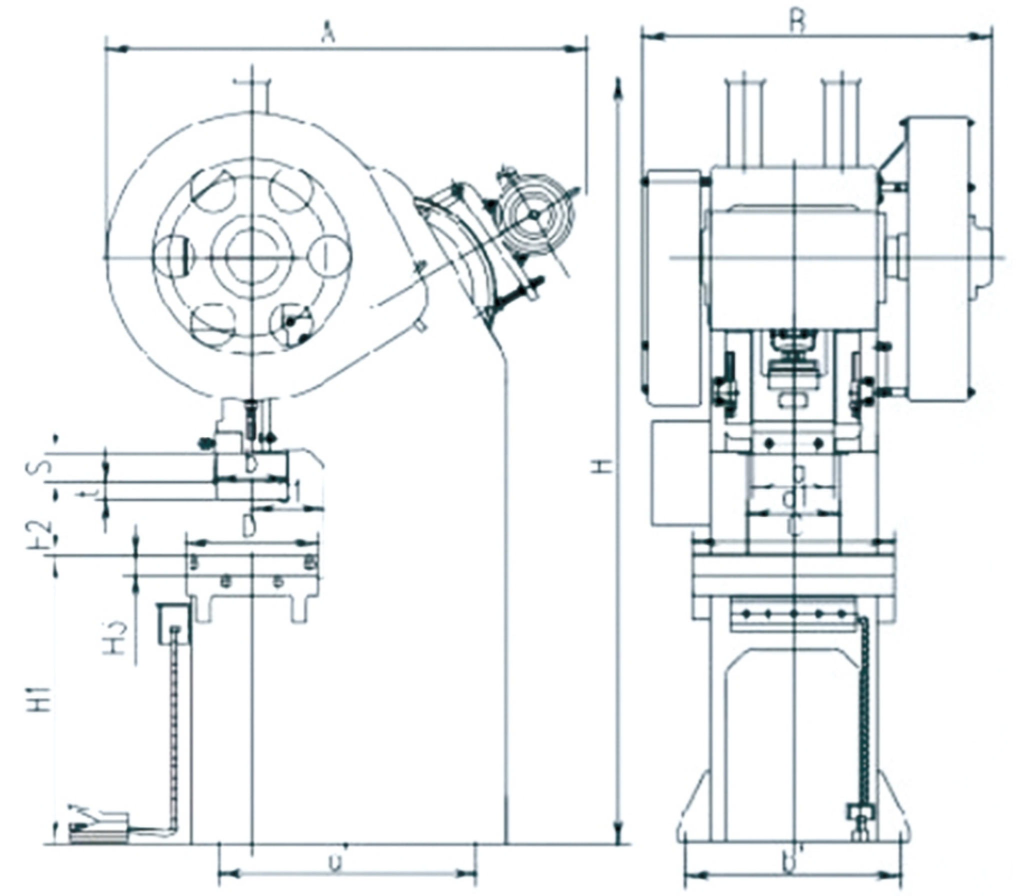
Single crank C Frame Power Press Machine

- The J23/J21 series press is a regular tilting/fixed desktop press with a simple structure, convenient operation, and reliable performance. It adopts a rigid rotary key clutch for maintenance and use
- The J21 series press is an open fixed table press that increases the depth of the throat, with a large workspace and is widely used for stamping processing of large-sized panels. All adopt steel plate welded body, with high strength and stiffness. J21-10-160 is evolved from the J21 series press, and adopts a rigid rotary key clutch, which is convenient for operation and maintenance









Model	J23-16	J23-25	J23-40	J23-63	J23-80	J23-100	J23-125	J23-200	J23-250
Nominal force(KN)	160	250	400	630	800	1000	1250	2000	2500
Slide stroke(mm)	50	70	80	80	100	100	140	145	145
Number of slider strokes(times/min)	110	65	50	50	50	40	38	38	38
Maximum Die Set Height(mm)	170	200	220	250	270	300	370	420	410
Adjustment amount of mold installation height(mm)	30	30	45	50	60	80	100	100	100
Distance from the center of the slider to the body(mm)	160	200	220	250	260	310	395	100	400
Workbench size(mm)	320*460	350*520	390*630	420*650	470*750	570*860	740*1150	780*1250	780*1300
Mold handle hole size(mm)	40*60	40*60	50*70	50*770	60*80	60*80	60*85	60*85	60*85
Workbench thickness(mm)	45	50	70	70	80	80	110	120	130
Size of the bottom surface of the slider(mm)	120*180	170*220	210*250	240*280	260*300	360*400	360*430	410*500	410*500
motor power(kw)	1.5	3	4	5.5	5.5	7.5	11	15	15
Overall dimensions(mm)	1130*830*1890	1120*860*2200	1600*1100*2250	1740*1100*2520	1765*1265*2650	1940*1490*2850	2350*1780*3600	2540*2010*3800	2740*2280*3850

Model	J21-25	J21-40	J21-63	J21-80	J21-100	J21-160
Nominal force(KN)	250	400	630	800	1000	1600
Slide stroke(mm)	70	80	80	100	100	160
Number of slider strokes(times/min)	70	50	50	50	40	50
Maximum Die Set Height(mm)	200	220	250	270	300	500
Adjustment amount of mold installation height(mm)	30	40	50	60	80	110
Distance from the center of the slider to the body(mm)	710	710	710	800	800	950
Workbench size(mm)	400*600	420*650	440*670	470*750	570*860	740*1300
Mold handle hole size(mm)	40*60	50*70	50*70	60*80	60*80	65*90
Workbench thickness(mm)	50	70	70	80	80	110
Size of the bottom surface of the slider(mm)	170*220	210*250	240*280	260*300	360*400	800*1300
motor power(kw)	3	4	5.5	5.5	7.5	15
Overall dimensions(mm)	1620*800*1950	1730*1100*2300	1980*1100*2290	2260*1265*2450	2230*1490*2700	2200*1545*3530

PUNCH PRESS SERIES

W12H (NC、CNC) SERIES

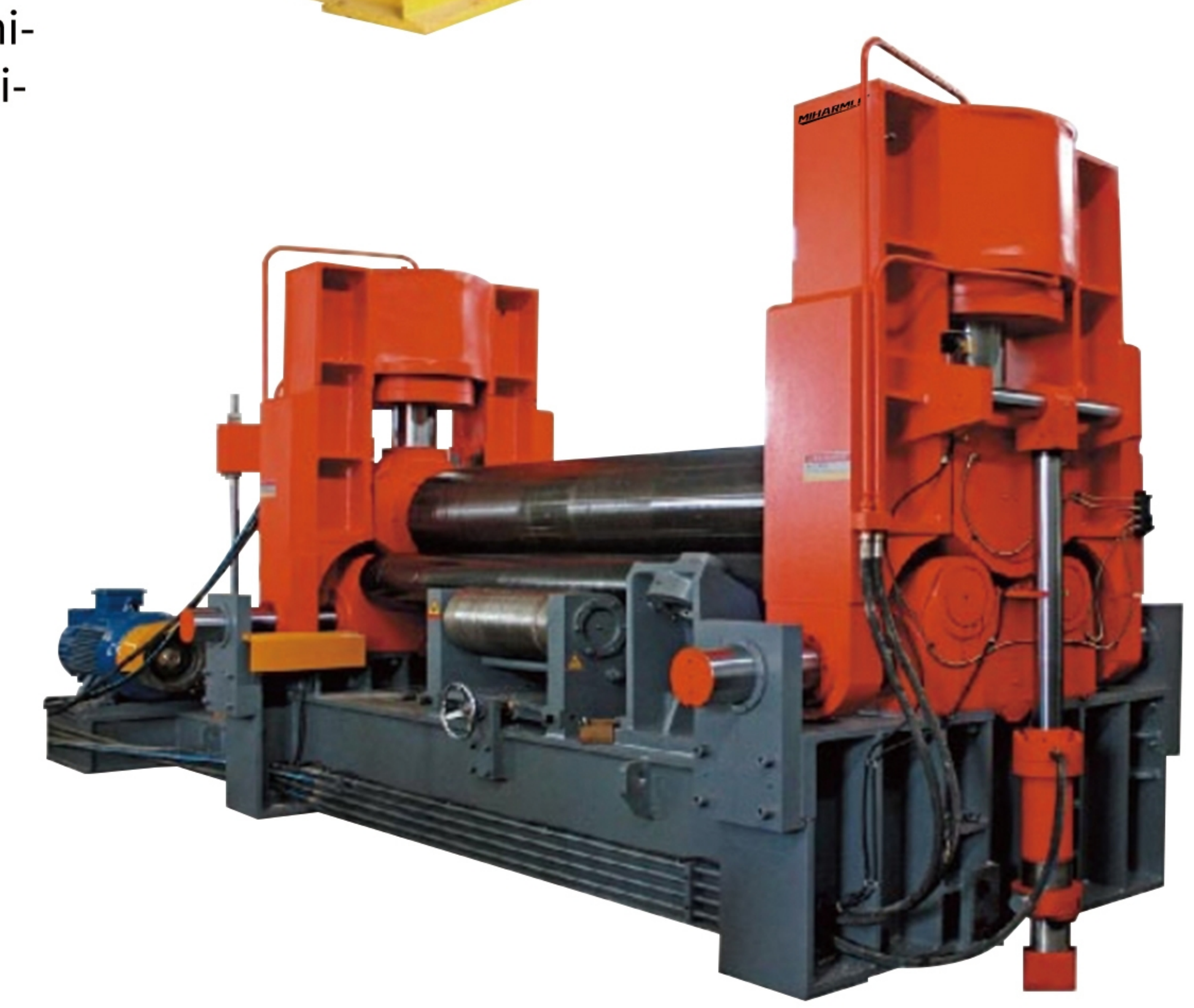
Full-hydraulic 4-roller Roling Machine

- The W12 series four roller plate rolling machine has mechanical rotation for the upper roller, hydraulic transmission for the lifting and lowering of the lower roller and side roller. The operation adopts electrical centralized control. This machine can complete pre bending at both ends of the plate and roll cylindrical and curved workpieces in one feeding. It can also meticulously shape and level the metal plate, with direct pre bending, trouble saving, and material saving effects

W11 SERIES

Symmetric Roling Machine With Three Rollers

- The W11 three roller plate rolling machine is equipped with mechanical lifting and transmission, and the upper roller can be separated and electrically lifted for material retrieval. And various special side wheels can be installed according to customer requirements to achieve the function of rolling angle iron, rolling round pipes and other shaped steel products



W11S SERIES

Upper Roller Universal Bending Maching

- hydraulic transmission
- High precision end pre bending
- NC control, providing work efficiency
- Integrated structure, easy to move
- Rich curved shapes

Main Technical Parameters of W12H Series Four Roll Plate Rolling Machine

Specification	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)	Motor power (KW)
W12-6*2000	6	6	2000	265	5.5	180	180	145	5.5
W12-6*2500	6	6	2500	265	5	210	210	165	7.5
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	3000	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	35	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

Main Technical Parameters of W11 Series Symmetrical Three Roll Plate Rolling Machine

Model	Max thickness of plate (mm)	Max width of plate (mm)	Plate Yield limit MPA	Rolling speed (m/min)	Min diameter for fully loaded rolling (mm)	Upper roller dia (mm)	Lower roller dia (mm)	Distance between two lower rollers (mm)	Main motor power (KW)	Overall dimensions (L*W*H) (mm)
W11-6*1500	6	1500	265	7.16	380	180	160	210	5.5	3310*1210*1330
W11-6*2000	6	2000	265	7.16	380	180	160	220	5.5	3810*1210*1330
W11-6*2500	6	2500	265	7.16	500	190	170	260	7.5	4310*1210*1330
W11-6*3200	6	3200	265	6.45	500	240	200	310	11	5200*1400*1200
W11-8*2000	8	2000	265	7.16	450	190	170	260	7.5	3810*1210*1330
W11-8*2500	8	2500	265	6.46	500	240	200	310	11	4500*1420*1610
W11-12*2000	12	2000	265	5	500	240	200	310	11	4050*1420*1610
W11-12*2500	12	2500	265	5	750	260	220	330	11	5000*1500*1300
W11-12*3000	12	3000	265	5	650	280	240	360	15	5500*1500*1300
W11-16*2000	16	2000	265	5	750	260	220	330	11	4500*1500*1300
W11-16*2500	16	2500	265	5	750	280	240	360	15	5000*1500*1300
W11-16*3200	16	3200	265	5	900	340	280	440	22	6300*1600*1900
W11-20*2000	20	2000	265	5	750	280	240	360	15	4500*1500*1300
W11-20*2500	20	2500	265	5	850	340	280	440	30	5600*1600*1900
W11-25*2000	25	2000	265	4.5	850	340	280	440	30	5100*1600*1900
W11-25*2500	25	2500	265	4.5	900	380	300	490	37	6000*4600*2150
W11-30*2000	30	2000	265	4.34	900	380	300	490	37	5500*1460*2150
W11-30*2500	30	2500	265	5	1100	460	380	600	45	6900*2300*2800
W11-30*3000	30	3000	265	5	1200	460	400	600	45	7400*2300*2800
W11-30*3200	30	3200	265	5	1200	500	400	600	45	7600*2300*2600
W11-40*2000	40	2000	265	5	1200	480	400	600	45	6400*2300*2800

Main Technical Parameters of W11S Series Upper Roller Universal Plate Rolling Machine

Model	Max thickness of plate (mm)	Thickness of pre-bending (mm)	Max width of plate (mm)	Upper roller dia (mm)	Lower roller dia (mm)	Centre distance of lower roll (mm)	Main motor power (KW)	Hydraulic motor power (KW)
W11S-8*2000	8	6	2000	235	135	180	5.5	2.2
W11S-8*2500	8	6	2500	245	145	200	7.5	4
W11S-12*2000	12	10	2000	255	150	200	7.5	4
W11S-12*2500	12	10	2500	270	150	245	11	5.5
W11S-12*3200	12	10	3200	300	165	300	15	5.5
W11S-16*2000	16	12	2000	270	150	245	11	5.5
W11S-16*2500	16	12	2500	300	165	270	15	5.5
W11S-16*3200	16	12	3200	350	180	300	15	7.5
W11S-20*2000	20	16	2000	300	165	270	15	5.5
W11S-20*2500	20	16	2500	330	180	300	15	7.5
W11S-25*2000	25	20	2000	350	180	330	22	7.5
W11S-25*2500	25	20	2500	380	200	360	22	11
W11S-30*2000	30	25	2000	380	220	360	30	11
W11S-30*2500	30	25	2500	410	235	380	30	11
W11S-30*3000	30	25	3000	450	250	420	30	11
W11S-30*3200	30	25	3200	450	250	420	30	15
W11S-30*4000	30	25	4000	560	290	500	37	15
W11S-40*2000	40	35	2000	480	250	420	37	22
W11S-40*2500	40	35	2500	500	275	460	45	22
W11S-40*3000	40	35	3000	540	290	500	55	22
W11S-40*4000	40	35	4000	610	360	610	75	22
W11S-50*3200	50	40	3200	650	360	700	75	22
W11S-50*4000	50	40	4000	700	380	700	75	22
W11S-60*3000	60	50	3000	650	380	700	75	22
W11S-60*4000	60	50	4000	780	440	820	90	37
W11S-60*5000	60	50	5000	850	460	880	90	37
W11S-70*3000	70	60	3000	710	420	780	75	37
W11S-80*2500	80	70	2500	710	420	780	75	37

Sorry no notice if parametre change!