

SHEET METAL PROCESSING SOLUTIONS

HIGH PRECISION | HIGH EFFICIENCY | RELIABLE QUALITY



WESEND MACHINE TOOLS

Setting New Standards, Surpassing the Competition



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About us



Wesend is an established professional manufacturer of forging & sheet- metal machinery, located in Libao Industrial Park, Hai'an City, Nantong, Jiangsu Province.

Leveraging the advantages of the local machine- tool industrial cluster, our facility continuously upgrades manufacturing capacity and broadens our product portfolio. Our core offerings consist of CNC press brakes, shearing machines and plate rolling machines. We have further expanded our product lineup to include panel benders, all- electric press brakes, CNC V- grooving machines, and laser cutting production lines.

Implemented with standardized production management, our machinery serves sheet- metal fabrication industries worldwide. We strive to become your reliable long- term supplier for sheet- metal processing equipment.

Product Catalog

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WE67K

CNC Electro-Hydraulic Servo Press Brake



Product Introduction

- ◆ This machine consists of frame, slide, worktable, oil cylinders, hydraulic proportional servo system, position detection system, CNC system and electrical system.
- ◆ Key components are precision- machined by large floor- type boring- milling machine in one- piece processing, ensuring overall machine accuracy.
- ◆ Two oil cylinders drive slide movement. The slide is synchronized by electro- hydraulic servo CNC control for stable and reliable performance.
- ◆ Dedicated CNC controller and servo motors govern cylinder axis and back- gauge axis.
- ◆ Equipped with worktable deflection compensation device. Compensation value is automatically calculated and precisely adjusted by CNC system.



CNC system options

Details Show



MOTOR



OIL PUMP



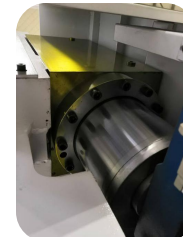
BEAM AND FINGER



SERVO VALVE GROUP



Linear Grating Scale



Main Hydraulic Cylinder



ELECTRICAL CABINET



Sheet Follower



FUEL TANK

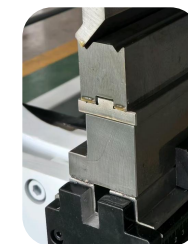
Optional



BACK GAUGE



Clamping System



LOWER DIE

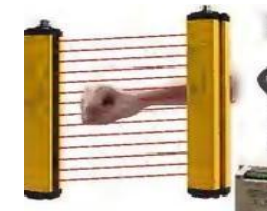


Crowning System

can be retrofitted



Laser protection



Safety Light Curtain



Sheet Follower



Mechanical arm

Delem DA53T/DA53TX (Netherlands)

- 10.1"/15.6" high-resolution color TFT touch screen
- Up to 6+1 axes multi-axis control (DA53T: 4+1 / DA53Tx: 6+1)
- Network-based tandem linkage for dual machines (optional)
- Profile-53TL offline programming software

Delem DA- 66T (Netherlands)

- Realistic 3D product simulation display of the bending sequence
- Standard 6+1 axes, expandable to 8+1 axes (Y1, Y2, X1, X2, R1, R2, Z1, Z2 + V)
- 17" high-resolution color TFT display
- 2D graphical touch-screen programming

CybTouch 12 (Switzerland)

- 12- inch high- resolution TFT color touch- screen
- Intuitive human- machine interface for easy operation
- Compatible with PC1200 offline programming software
- Optional 2D graphical programming function available

DE15 (China)

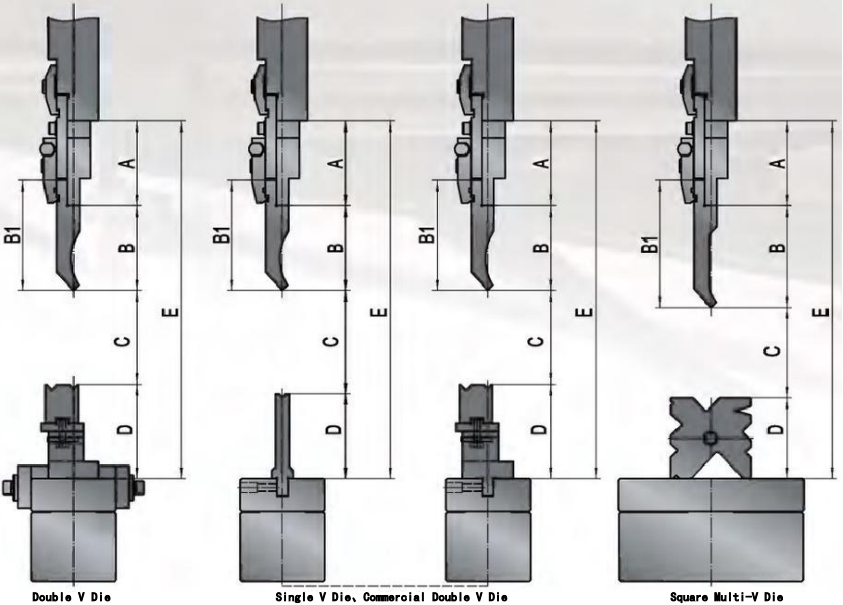
- 15.6" anti-interference resistive touch screen (industrial-grade)
- 8-axis servo control with hydraulic & mechanical crowning
- 2D/3D graphical programming & simulation + direct CAD import
- Tandem linkage: three 6m brakes for 18m bending



Technical Parameters of Electro-Hydraulic Servo Bending Machine

Model	Nominal Pressure	Table Length	Distance Between Uprights	Cylinder Stroke	Throat Depth	Opening Height	Main Motor Power	Main Pump Displacement
	(KN)	(mm)	(mm)	(mm)	(mm)	(mm)	(kw)	(ml/r)
50/1600	500	1600	1300	160	300	450	4	10
50/2500	500	2500	2050	160	300	450	4	10
70/1600	700	1600	1300	160	350	460	5.5	13
70/2500	700	2500	2050	160	350	460	5.5	13
70/3200	700	3200	2600	160	350	460	5.5	13
90/1600	900	1600	1300	200	350	460	7.5	16
90/2500	900	2500	2050	200	350	460	7.5	16
90/3200	900	3200	2600	200	350	460	7.5	16
110/2500	1100	2500	2050	200	400	480	7.5	16
110/3200	1100	3200	2600	200	400	480	7.5	16
110/4100	1100	4100	3600	200	400	480	7.5	16
130/2500	1300	2500	2050	200	450	480	11	25
130/3200	1300	3200	2600	200	450	480	11	25
130/4100	1300	4100	3600	200	450	480	11	25
170/2500	1700	2500	2050	200	450	480	15	32
170/3200	1700	3200	2600	200	450	480	15	32
170/4100	1700	4100	3600	200	450	480	15	32
220/2500	2200	2500	2050	200	450	480	18.5	40
220/3200	2200	3200	2600	200	450	480	18.5	40
220/4100	2200	4100	3600	200	450	480	18.5	40
220/6000	2200	6000	5000	200	450	480	18.5	40
250/3200	2500	3200	2600	250	500	520	18.5	40
250/4100	2500	4100	3600	250	500	520	18.5	40
250/6000	2500	6000	5000	250	500	520	18.5	40
320/3200	3200	3200	2600	250	500	520	22	50
320/4100	3200	4100	3600	250	500	520	22	50
320/6000	3200	6000	5000	250	500	520	22	50
400/3200	4000	3200	2600	320	550	600	30	63
400/4000	4000	4000	3200	320	550	600	30	63
400/6000	4000	6000	5000	320	550	600	30	63
500/4000	5000	4000	3200	320	550	600	30	63
500/6000	5000	6000	5000	320	550	600	30	63
600/4000	6000	4000	3200	320	600	600	37	80
600/6000	6000	6000	5000	320	600	600	37	80
800/6000	8000	6000	5000	360	650	640	30x2	63X2
1000/6000	10000	6000	5000	400	700	680	37x2	80x2
1200/6000	12000	6000	5000	400	700	680	37x2	80X2

Description and specifications given in this catalogue are subject to modification without notice.



Standard Press- Brake Tooling Configuration List (35T- 320T)

Code	Double-V Die	Single/ Double V Dies	Multi-V Die	
A(Quick-clamp height)	100	100	100	
B(Net Punch Height)	120	120	120	
B1(Total Punch Height)	150	150	150	
C(Punch- Die Clearance)	E-A-B-D			
D(Die Height)	95/111	80/100	As per drawing	
E(Daylight Opening)	See Technical Parameter Table			
Example				
DF075 V- Opening sizes: 4、6、8、12、16、20、25、32、40	Example			
DF095 V- Opening sizes: 5、7、10、12、16、20、25、30、60	Example			
DF110V- Opening sizes: 25、36、46、60、80				



WC67K

Torsion-Bar Synchronized CNC Press Brake



Product Introduction

- ◆ Mechanical forced- synchronization system. Torsion- bar ensures synchronous ram movement on both sides for better anti- deflection load capacity.
- ◆ Double upper- lower guide- ways on both ram sides guarantee stable high- speed operation and consistent bending accuracy.
- ◆ Servo- driven mechanical stopper (Y- axis) and back- gauge (X- axis) deliver high positioning accuracy.
- ◆ Quick- clamping for upper punch for fast tool change, lower labor intensity and higher productivity.
- ◆ Back- gauge with ball- screw & linear guide- ways: fast travel and high positioning precision.
- ◆ Fitted with movable front support rest; slides along linear guide- ways and stops at any position.



CNC system options

Details Show



Delem DA- 41T (Netherlands)

- High- definition LCD display
- Ram stop- position control
- Angle programming
- Mold parameter setting



EASYPLOT ES10

- 10- inch TFT high- contrast touch screen
- Intuitive menu- programming interface
- Automatic calculation for bending angle & length
- Angle & length compensation function



Sanyuan TP10 (Hong Kong)

- 10- inch high- resolution color display
- Angle & depth programming
- Multi- step bending automatic cycle
- Multi- axis expansion support (Y1,Y2,R)

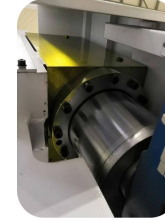


ESTUN- 310P

- Rear- gauge & stopper control
- Intelligent positioning
- Workpiece counting function
- 40- program storage, 25- steps per program



The motor



Oil cylinder



Electrical cabinet

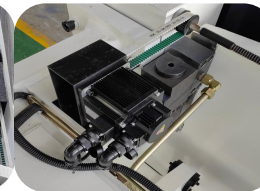


Backgauge finger

Optional



Dual Servo for Y1, Y2 Axes



Single Servo for Y-axis



X
Suitable for 3+1 Axes



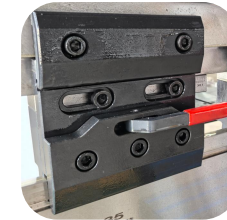
X, Y
Suitable for 4+1 Axes



Mechanical compensation



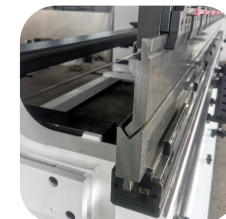
Manual mechanical compensation



Classic quick clip



Button clip



Single V Die



Double V Die



Square Die
11/12



WC67Y

CNC Torsion-Bar Synchronized Press Brake



Product Introduction

- ◆ All- steel welded structure with stress relief by vibration, offering high mechanical strength and rigidity.
- ◆ Hydraulic top- drive for smooth and reliable operation. Mechanical stopper and torsion- bar synchronization ensure high accuracy.
- ◆ Electric adjustment and manual fine- tuning with digital readout for back- gauge distance and ram stroke.
- ◆ Upper punch fitted with crowning mechanism. Machines of 250t and above 4000mm length can adopt lower- side crowning.



E21 Numerical Control System



CNC100
Numerical Control System

Press Brake Tonnage Chart:

When the material thickness and inside bend radius are confirmed, please refer to the table below:

1.The table shows the required tonnage per meter for material bending.

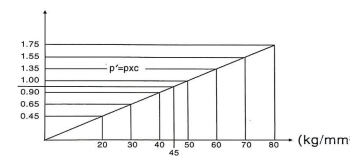
2.V-opening width (V) of the lower die used during bending.

3.Minimum flange length (b) after bending.

Note: The table below lists the matched V-opening width of the die for common material thicknesses.

T	0.5~2.6				3.0~8				9~10				12以上				P=650SL/V											
V	6t				8t				10t				12t				40	50	63	80	100	125	160	200	250	V		
t	4	6	7	8	10	12	14	16	18	20	25	32	40	50	63	80	100	125	160	200	250	V						
mm	0.7	1	1.1	1.3	1.6	2	2.3	2.6	3	3.3	4	5	6.5	8	10	13	16	20	26	33	41	R						
0.5	4	3																										
0.6	6	4	4	4																								
0.8		7	7	5	4																							
1		11	10	8	7	6																						
1.2				14	12	10	8	7	6																			
1.4				15	13	11	10	9	8																			
1.6					17	15	13	11	10	9																		
2						22	19	17	15	13	11																	
2.3								25	23	20	17	15	12															
2.6									28	25	22	18	14															
3										34	30	24	19	15														
3.2										34	27	22	17	14														
3.5											33	26	20	16	13													
4											43	34	27	21	17													
4.5												44	34	27	21													
5												52	42	33	26	21												
6													60	48	38	30	24											
7														52	41	33	26											
9															67	54	43											
10																85	67	53	42									
12																	96	78	60	55								
16																		136	107	86								
19																				150	125	100						
22																					160	130						
25																						210	170					
30																							240					

t: Sheet thickness (tensile strength = 45~50 kg/mm²)
P: Required bending force per metre (Ton/m)
R: Inside bend radius
b: Minimum flange length
V: V-opening width of lower die

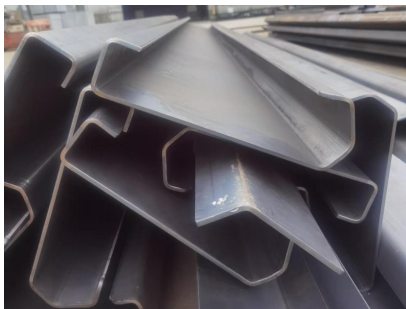


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2-WE67K

Tandem CNC Electro-Hydraulic Servo Press Brake



Delem DA-53T CNC Controller



Product Introduction

- ◆ WE67K series features identically sized dual/triple cylinder mainframes fitted with tandem synchronous linkage.
- ◆ WE67K tandem press brakes process extra-long workpieces, ideal for street light poles, power poles and other long components for urban & highway construction.
- ◆ The two units can work separately for higher productivity.
- ◆ Custom manufacturing is offered for special requirements.

Technical Parameters of Tandem Press Brake							
Model	Nominal Force	Table Length	Distance Between Uprights	Ram Stroke	Throat Depth	Opening Height	Main Motor Power
	(KN)	(mm)	(mm)	(mm)	(mm)	(mm)	(kw)
2-320/5000	2-3200	2-5000	4200	250	500	520	2x22
2-320/6000	2-3200	2-6000	5000	250	500	520	2x22
2-400/4000	2-4000	2-4000	3200	320	550	600	2x30
2-500/4000	2-5000	2-4000	3200	320	550	600	2x30
2-500/6000	2-5000	2-6000	5000	320	550	600	2x30
2-600/5000	2-6000	2-5000	4200	320	600	600	2x37
2-600/6000	2-6000	2-6000	5000	320	600	600	2x37
2-800/8000	2-8000	2-8000	6500	360	650	640	2x55

Description and specifications given in this catalogue are subject to modification without notice.



QC11Y/K

Economic / CNC Hydraulic Guillotine Shear



CNC Front- feeding Hydraulic Guillotine Shear



Details Show

- ◆ All- steel welded structure. Comprehensive treatments including vibration aging and heat treatment remove internal stress, ensuring high rigidity and stability.
- ◆ Equipped with precision sliding guideways to eliminate guide- way clearance and achieve excellent shearing quality.
- ◆ Rectangular cutting blade with four usable edges for extended service life.



Blade Clearance Adjustment



Main Servo Motor (Optional)



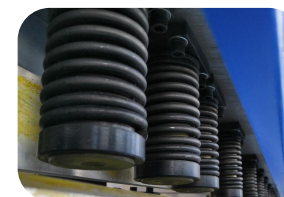
Hydraulic System



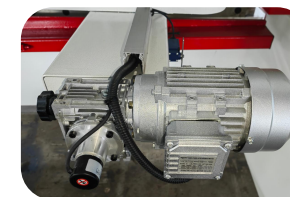
Back- gauge Unit



Guillotine Shear Blade



Shears press material device



General motor (Economy type)



Servo Motor (CNC Type)



Delem DAC- 360 (Netherlands)

- Panel- mounted Installation
- High- brightness LCD Display
- Shearing Angle Control
- Shear Gap Control



ESTUN E200PS

- Bus- mode Servo Control System
- 40- program Memory, 25 Steps per Program
- Dual Programmable Digital Outputs
- One- side Positioning



Sanyuan TP10 (Hong Kong)

- 10- Inch TFT True- color Touch Screen
- Automatic Calculation for Various Cutting Schemes
- Automatic Blade Clearance Calculation
- Multi- language Support



ESTUN E21S

- Support Ordinary Motor & Inverter Control
- 40- program Memory, 25 Steps per Program
- Workpiece Count Function
- One- click Parameter Backup & Restore

Guillotine Shear Machine Technical Parameters

Model	Max. Shearing Thickness	Max. Shearing Width	Shearing Angle	Stroke Frequency	Back- gauge Range	Main Motor Power	Main Oil Pump Displacement
	(kN)	(mm)	(°)	(strokes/min)	(mm)	(kW)	(ml/r)
QC11Y-6x2500	6	2500	30' -1 °30'	14-30	10-600	7.5	25
QC11Y-6x3200	6	3200	30' -1 °30'	12-30	10-600	7.5	25
QC11Y-6x4000	6	4000	30' -1 °30'	10-28	10-600	7.5	25
QC11Y-6x6000	6	6000	30' -1 °30'	7-25	10-800	11	32
QC11Y-8x2500	8	2500	30' -2 °	12-28	10-600	11	25
QC11Y-8x3200	8	3200	30' -2 °	10-28	10-600	11	25
QC11Y-8x4000	8	4000	30' -2 °	8-25	10-600	11	25
QC11Y-8x6000	8	6000	30' -2 °	6-22	10-800	15	32
QC11Y-12x2500	12	2500	30' -2 °	10-25	10-600	15	32
QC11Y-12x3200	12	3200	30' -2 °	8-25	10-600	15	32
QC11Y-12x4000	12	4000	30'-2 °	8-22	10-800	18.5	40
QC11Y-12x6000	12	6000	30' -2 °	5-20	10-800	22	50
QC11Y-16x2500	16	2500	30' -2 °30'	8-22	10-800	18.5	40
QC11Y-16x3200	16	3200	30'-2 °30'	6-22	10-800	18.5	40
QC11Y-16x4000	16	4000	30' -2 °30'	6-20	10-800	22	50
QC11Y-16x6000	16	6000	30' -2 °30'	4-18	10-1000	30	63
QC11Y-20x2500	20	2500	1 °-3°	6-18	10-800	22	50
QC11Y-20x3200	20	3200	1 °-3°	5-18	10-800	22	50
QC11Y-20x4000	20	4000	1 °-3°	5-15	10-800	30	63
QC11Y-20x6000	20	6000	1 °-3°	4-12	10-1000	37	80
QC11Y-25x2500	25	2500	1 °-3 °30'	5-15	10-800	30	63
QC11Y-25x3200	25	3200	1 °-3 °30'	4-15	10-800	30	63
QC11Y-25x4000	25	4000	1 °-3 °30'	4-12	10-800	37	80
QC11Y-25x6000	25	6000	1 °-3 °30'	3-10	10-1000	45	100
QC11Y-30x2500	30	2500	1 °-4°	5-12	10-800	37	80
QC11Y-30x3200	30	3200	1 °-4°	4-12	10-800	37	80
QC11Y-30x4000	30	4000	1 °-4°	4-10	10-800	45	100
QC11Y-30x6000	30	6000	1 °-4°	3-8	10-1000	55	125

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QC12Y/K

Economic / CNC Hydraulic Pendulum Shearing Machine



Blanking plate (optional)



Pneumatic Backgauge Support (optional)

Details Show

- ◆ Stylish and compact appearance.
- ◆ Ergonomic design for comfortable operation.
- ◆ High- efficiency, reliable performance and cost- effective.
- ◆ Precise & fast CNC hydraulic pendulum shearing machine.



Backgauge motor



Blade Gap



Ferrule- type Fitting



Oil pump motor



Valve block



Delem DAC- 310 (Netherlands)

- Simultaneous display of back- gauge actual position value and programmed value
- Cutting blade gap control
- Cutting stroke control
- Supports servo control, variable- frequency speed regulation control and two- speed AC motor control



ESTUN E200PS

- Bus- mode Servo Control System
- 40- program Memory, 25 Steps per Program
- Dual Programmable Digital Outputs
- One- side Positioning



Sanyuan TP10 (Hong Kong)

- 10- Inch TFT True- color Touch Screen
- Automatic Calculation for Various Cutting Schemes
- Automatic Blade Clearance Calculation
- Multi- language Support



ESTUN E21S

- Support Ordinary Motor & Inverter Control
- 40- program Memory, 25 Steps per Program
- Workpiece Count Function
- One- click Parameter Backup & Restore

Swing-Beam Shearing Machine							
Model	Max. Shearing Thickness	Max. Shearing Width	Shearing Angle	Stroke Frequency	Back- gauge Range	Main Motor Power	Main Oil Pump Displacement
	(kN)	(mm)	(°)	(strokes/min)	(mm)	(kW)	(ml/r)
QC12Y-4×2500	4	2500	1°30'	≥18	10-600	4	10
QC12Y-4x3200	4	3200	1°30'	≥16	10-600	5.5	16
QC12Y-4×4000	4	4000	1°30'	≥12	10-600	5.5	16
QC12Y-4×6000	4	6000	1°30'	≥7	10-800	7.5	25
QC12Y-6x2500	6	2500	1°30'	≥14	10-600	7.5	25
QC12Y-6x3200	6	3200	1°30'	≥12	10-600	7.5	25
QC12Y-6x4000	6	4000	1°30'	≥9	10-600	7.5	25
QC12Y-6x6000	6	6000	1°30'	≥6	10-800	11	32
QC12Y-8x2500	8	2500	1°30'	≥12	10-600	11	25
QC12Y-8x3200	8	3200	1°30'	≥10	10-600	11	25
QC12Y-8x4000	8	4000	1°30'	≥8	10-600	11	25
QC12Y-8x6000	8	6000	1°30'	≥5	10-800	15	32
QC12Y-10x2500	10	2500	1°30'	≥10	10-600	15	32
QC12Y-10x3200	10	3200	1°30'	≥8	10-600	15	32
QC12Y-10x4000	10	4000	1°30'	≥8	10-800	18.5	40
QC12Y-10x6000	10	6000	1°30'	≥5	10-800	22	50
QC12Y-12x2500	12	2500	2°	≥8	10-800	18.5	40
QC12Y-12x3200	12	3200	2°	≥6	10-800	18.5	40
QC12Y-12x4000	12	4000	2°	≥6	10-800	22	50
QC12Y-12x6000	12	6000	2°	≥4	10-1000	30	63

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