

PR Series CNC Pressbrake



 Jiangsu Jinfangyuan

PR Series

CNC Pressbrake

DR-65W



Body

After welding, the body is machined with the fixture installed only one time. It is processed by CNC pentahedron processing center, ensuring high rigidity and processing accuracy.



Hydraulic System



The hydraulic system adopts the integrated one, which helps to reduce piping connection, eliminate oil leakage, improve the work stability, and beautify the machine appearance. The inner engaged gear pump

manufactured by a famous Germany company is used to reduce the system noise and extend the service life.

Synchronization



The electric-hydraulic servo system can control the synchronization of two cylinders. Combined with optical curtain of international standard, the fully closed loop control is formed with high synchronization control accuracy, and high bending and repetitive positioning accuracy.





X-axis Backgauge



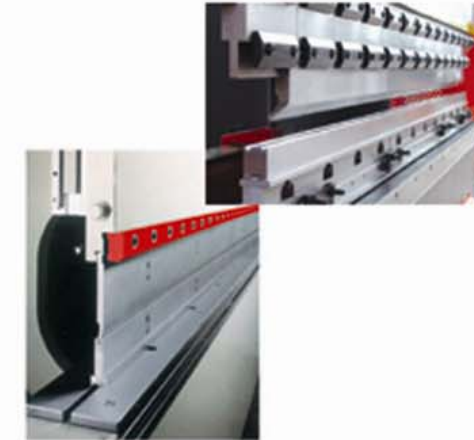
Backgauge 2 Axis



Backgauge 6 Axis

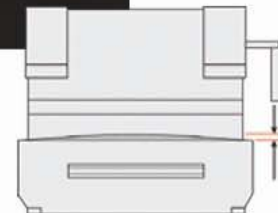
Feeding System

The large lead ballscrew and linear guideway from Germany Bosch-Rexroth and BLIS ensure the positioning accuracy of the machine. The full functional backgauge system can be extended up to six axis. The work piece can be bent at whatever angle.



Tooling

The die sections have different lengths, which can be combined with a certain width to meet the processing requirements of special workpieces.



Compensation

The CNC cylinder deflection auto compensation system helps to prevent the deformed sliding block from affecting the workpiece quality and ensure its good linearity and bending angle. The compensation is adjusted automatically by the CNC system, both convenient and accurate.





CNC System

The CNC systems are top brand Holland Delem DA65W or DA66W. It also features the most advanced electronic board, intelligent modular structure, built-in PLC function, automatic programming and bending simulation, all around shock inspection, remote diagnosis, high resolution color TFT display.



Quick Clamping Equipment (Optional)

The upper die hydraulic automatic fastener or quick fastener and plug-in lower die can be equipped based on the customer requirement to reduce work load and improve productivity.



Tandem Pressbrake

The operation is flexible. Two machines can be tandem to process super long plates while single machine can be used to process short plates, thus improving the productivity and reducing energy consumption.



Main Technical Specification

Specification \ PR	Unit	100 × 3100	100 × 4100	150 × 3100	150 × 4100	225 × 3100	225 × 4100	320 × 3100	320 × 4100	400 × 4100	500 × 6200	500 × 5100	650 × 5100	650 × 7200	800 × 5100	800 × 7200	1000 × 6200	1000 × 9200
Pressure	KN	1000	1000	1500	1500	2250	2250	3200	3200	4000	5000	5000	6500	6500	8000	8000	10000	10000
Table Length	mm	3100	4100	3100	4100	3100	4100	3100	4100	4100	6200	5000	5100	7200	5100	7200	6200	9200
Distance of frame	mm	2600	3600	2600	3600	2600	3600	2600	3600	3600	5100	4600	4600	6100	4600	6100	5100	8100
Throat	mm	400	400	400	400	400	400	400	400	500	500	500	500	500	500	500	600	600
Storke	mm	215	215	215	215	215	215	265	265	265	365	365	365	365	365	365	415	415
High speed	mm/s	120	120	120	120	120	120	120	120	100	100	100	90	90	90	90	80	80
Working speed	mm/s	10	10	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8
Return speed	mm/s	80	80	80	80	80	80	80	80	80	80	80	70	70	70	70	70	70
Weight	kg	8050	10500	9650	13800	14050	17800	19500	23500	26200	47000	42000	50000	50000	63000	85000	102000	150000

Brief Introduction

At the beginning of 1997, Jiangsu Jinfangyuan CNC Machine Co., Ltd. started cooperation with Germany BEYELER, the world famous plate processing equipment manufacturer, by introducing the most advanced technology into China and producing international level CNC pressbrake and guillotine shears. Since then, China has joined the world class in terms of pressbrake and shears manufacturing technology.

The CNC control the cylinders synchronization. Combined with optical curtain of international standard, the fully closed loop control is formed with high synchronization control accuracy, and high bending and repetitive positioning accuracy.

Auto compensation system ensures the good linearity and bending angle. It's adjusted by CNC, both convenient and accurate.

The backgauge can be extended up to six. The workpiece can be bent at whatever angle.

The bed is machined by CNC pentahedron processing center with the fixture installed only one time, ensuring high rigidity and processing accuracy.

The hydraulic system provided by Bosch adopts the integrated one, which helps to reduce piping connection, eliminate oil leakage, improve the work stability, and beautify the machine appearance.

The inner engaged gear pump manufactured by a famous Germany company is used to reduce the system noise and extend the service life.

The upper die have different lengths, which can be combined with a certain width to meet the processing requirements of special workpieces.

The upper die automatic fastener or quick fastener and plug-in lower die can be equipped based on the customer requirement to reduce work load and improve productivity.

The CNC systems use Delem's DA65W, DA66W and DA56W.

The linear guideway, ballscrew are Bosch-Rexroth and BLIS products, ensuring the positioning accuracy of the machine.

The operation is flexible. Two machines can be combined to process super long plates while single machine can be used to process short plates, thus improving the productivity and reducing energy consumption .