



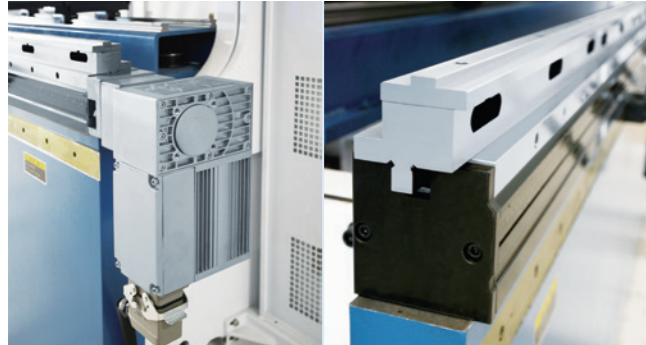
PBC Series

High Performance
CNC Press Brake

- All new outlook design, friendly human-machine interface
- Worktable mechanical crowning compensation, higher precision, more stable
- Optimized parameters and configurations, more functions while easier to operate
- High frequency response valve control technology, high dynamic response and high precision
- Load sensitive adjustment, more energy saving and more stable

Multiple Configurations Flexible Combinations

Crowning Compensation



Mechanical Crowning Compensation Device (Standard)

- Equipped with mechanical crowning compensation device, automatically adjusted per CNC program commands
- Features bidirectional adjustment capability

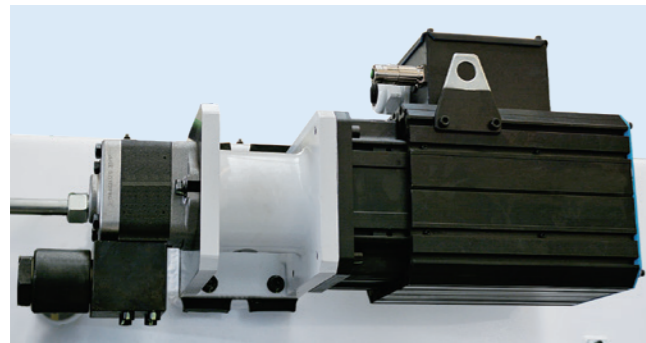
Control Technology



Hydraulic Following Control Technology (Standard)

- Hydraulic following control technology guarantees the synchronization precision of Y1 and Y2 axis in high speed operation, reaching higher bending efficiency

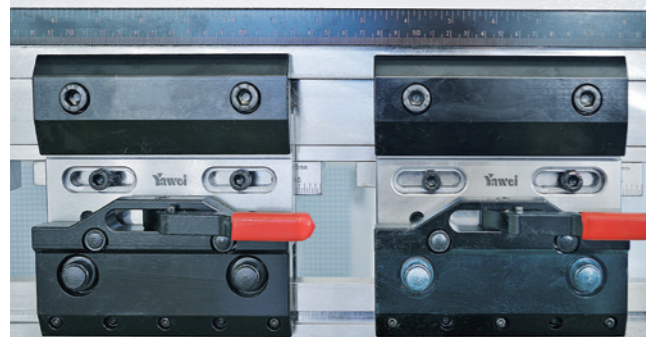
Servo Drive



Servo Main Motor (Standard)

- The main motor comes standard with a servo motor, offering energy efficiency, reduced oil temperature, extended service life, and lower maintenance costs

Upper Tool Clamping System



Mechanical fast Clamping System for Upper Tool (Standard)

- Upper tool mechanical fast clamping system is used for quick upper tool installation
- Front-mounted upper tool installation capability

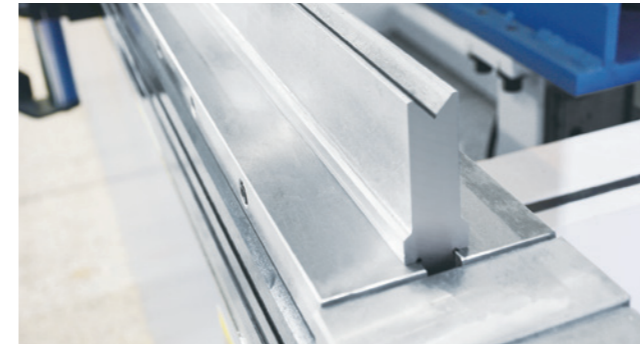
Upper Tool Clamping



Hydraulic Clamping of Upper Tool (Option)

- Hydraulic upper tool clamping system with electric auto-control for secure clamping/releasing. Delivers high clamping force for reliable operation, enabling quick and efficient tool changes

Lower Tool Clamping



1V Lower Tool Clamping System (Option)

- 1V-lower tool clamping system ensures high tool precision, quick lower tool changing, and narrow lower tool width, suitable for bending complex workpieces

Lower Die Clamping



1V Hydraulic Clamping of Lower Tool (Option)

- Hydraulic lower tool clamping device with electric auto-control for clamping/releasing, enabling easier and more efficient lower tool changes.

Front Sheet Support



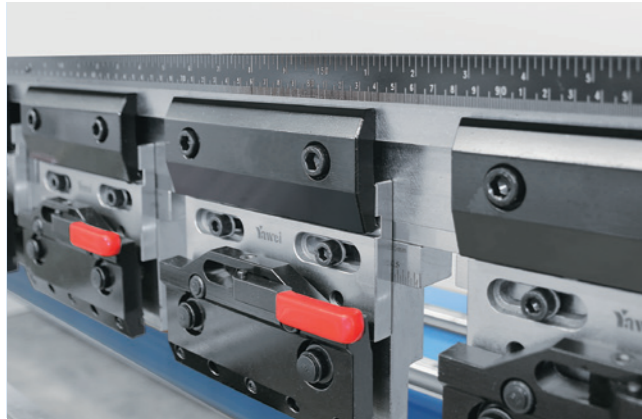
Front Sheet Support Moving Along Linear Guide (Standard)

- Front sheet support moving leftward and rightward along linear guide, height can be manually adjusted up and down

Multiple Configurations Flexible Combinations

Outstanding Parameters Extraordinary Performance

Ram Scale



Scale (Standard)

- The ram is equipped with a dual-scale (metric/imperial) ruler at the lower section, which is convenient for the operator to change the tooling and centering bend

NCY840R CNC Controller (Standard)



Function Features

- Color LCD display, 15" widescreen TFT
- More than 2000 program and mold storage spaces
- Data storage via USB
- One-page parameter rapid programming
- Automatic calculation of worktable crowning compensation
- 2D programming, 3D/2D simulation
- Automatic calculation of bending force and tooling safety zone
- Online running analysis tool
- Angle correction database (option)
- System diagnosis function
- Up to six axis control (Y1, Y2, four auxiliary axis)

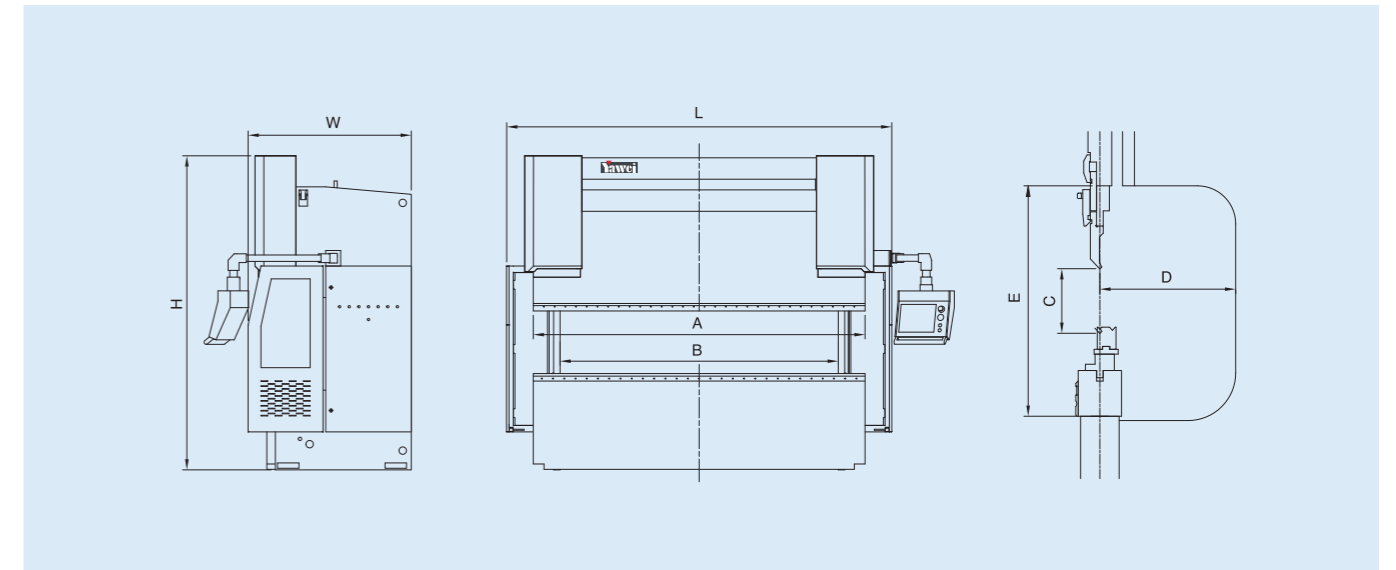
DA66T CNC Controller (Option)



Function Features

- 2D Touch Graphics Programming
- 3D product graphic simulation display
- 17" high resolution TFT true color display
- Complete Windows application package
- compatible with Delem modular structure system
- USB, peripheral interface
- User application in multi-tasking environment
- Angle detection sensor interface

Technical Parameters



Model	Bending force	Bending length A	Distance between uprights B	Throat depth D	Ram stroke C	Die setting height E	Ram speed			Main motor power	Oil tank volume	Overall dimension (LxWxH)		
	kN	mm	mm	mm	mm	mm	mm/s			kW	L	mm		
PBC-50/2050	500	2050	1750	350	175	495	200	18	190	6.2	150	2690	1520	2415
PBC-80/2550	800	2550	2150	350	175	495	200	18	200	8.5	200	3130	1520	2515
PBC-110/3100	1100	3100	2600	410	265	600	220	18	200	12.4	200	3600	1520	2850
PBC-110/4100		4100	3600						180		300	4600	1520	2900
PBC-160/3100	1600	3100	2600	410	265	600	200	15	180	17.8	300	3620	1570	3010
PBC-160/4100		4100	3600						170		400	4620	1570	3060
PBC-220/3100	2200	3100	2600	410	265	600	160	14	160	21.4	300	3640	1820	3025
PBC-220/4100		4100	3600						160		400	4640	1820	3125