



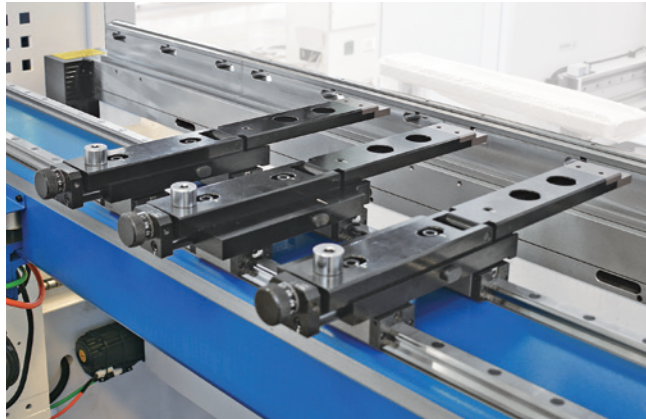
PBA Series

High Speed CNC Press Brake

- All new simplified design, elegant appearance
- Better parameters, better core configurations, stable performance, and easy to operate
- High rigidity machine frame, automatic worktable mechanical crowning control reaching high precision bending operations
- Main motor adopts servo motor to drive oil pump, save about 40% energy than normal electro-hydraulic press brakes

Extensive Configurations Flexible Combinations

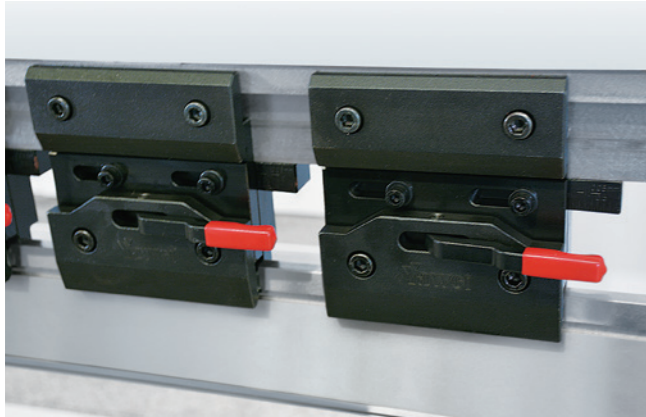
Backgauge



Standard Backgauge (Standard)

- CNC axis is driven by AC servo motor, moved with precision ball screw and guided by linear guide rail

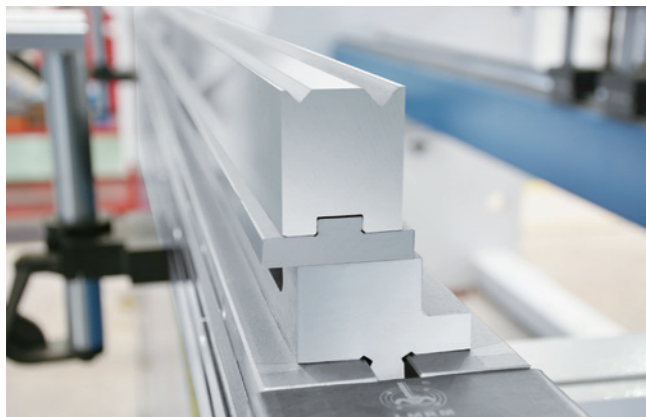
Upper Tool Clamping



Mechanical Fast Clamping for Upper Tool (Standard)

- Mechanical fast clamping enables a fast change of upper tool
- It allows the upper tool to be installed from the front side

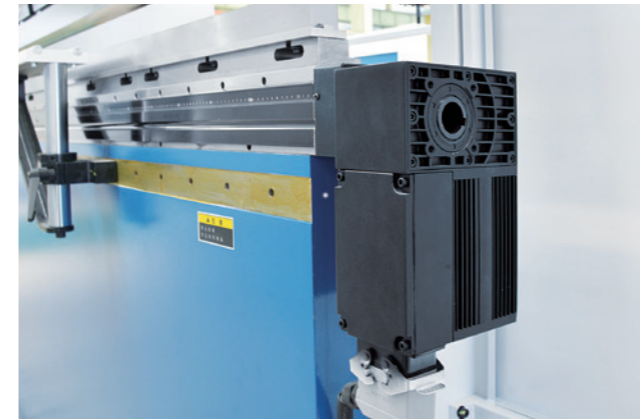
Lower Die Clamping



2-V Clamping for Lower Die (Standard)

- 2-V T-shaped fast clamping enables the fast change of lower die

Crowning Compensation



Mechanical Crowning Device (Standard)

- Mechanical crowning device can be adjusted automatically according to the instruction of CNC programming

Front Sheet Support



Front Sheet Support Moving Along Linear Guide (Option)

- Front sheet support moving leftward and rightward along linear guide, height can be manually adjusted up and down (machine model $\geq 2550\text{mm}$)
- Special models excepted

Laser Safety Guard



Laser Guarding Device (Option)

- CNC and safety controller can communicate and monitor the machine operations in real time to effectively protect the fingers and arms of the operator

Multiple Configurations Flexible Combinations

Leading Parameters Outstanding Performance

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)

DA53TX CNC Controller (Option)



Function Features

- 15.6" TFT color display wide touch screen
- 4-axis control is standard, which can be extended to 6 axis
- 2D graphics programming and display (option)
- Internal storage capacity is 1GB.
- Online running analysis tool
- Network tandem linkage
- Internally integrated valve amplifier
- Automatic calculation of worktable crowning compensation
- Automatic calculation of bending force and tooling safety zone
- Optional network interface, Mes data acquisition
- System diagnostic function
- Linux operating platform ensures the stability of system operation and supports instant shutdown

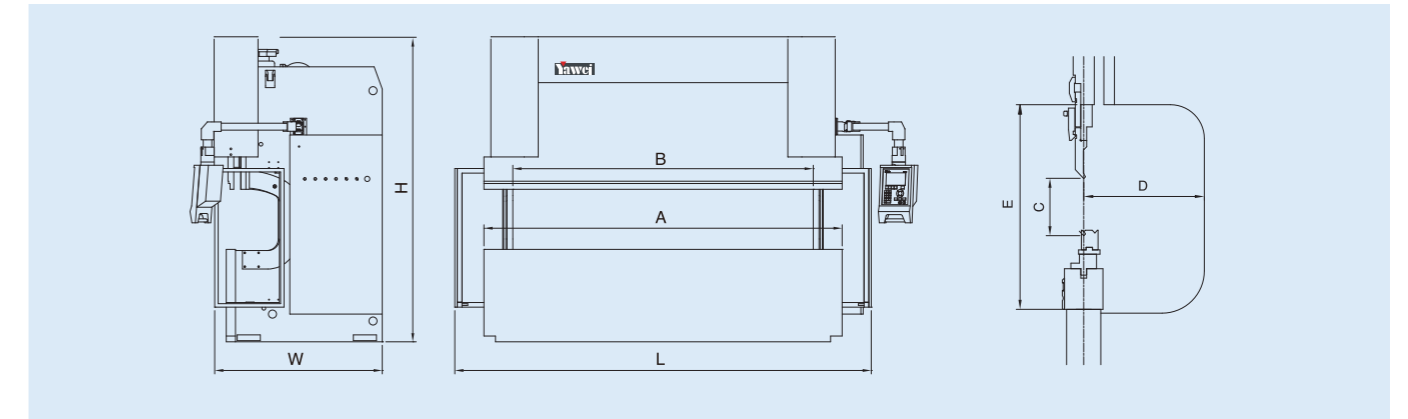
NCY840 CNC Controller (Option)



Function Features

- 15.6" full-color high-brightness TFT-LCD display.
- 1920*1080 high-resolution widescreen display
- Touch operation with gloves
- Tandem linkage communication interface is standard
- Quad-core processor at 1.8GHz.
- 4GB of running memory and 16GB of internal storage capacity
- Robot bending control signal is standard
- 2D graphics programming and display
- Support graphic or data-based large arc programming bending
- With diagnostic analysis function
- USB data backup/recovery

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	mm/s	mm/s	kW	L	mm		
PBA-35/1250	350	1250	950	300	120	450	180	16	180	4.4	100	1915	1400	2200
PBA-63/2050	630	2050	1750	350	175	480	180	12.5	180	5.5	150	2720	1440	2380
PBA-63/2550		2550	2150								200	3120	1440	2380
PBA-110/3100	1100	3100	2600	410	215	550	220	15	180	8.7	200	3610	1475	2650
PBA-110/4100		4100	3600								300	4610	1475	2700
PBA-160/3100	1600	3100	2600	410	215	550	200	13	160	11.3	300	3630	1525	2780
PBA-160/4100		4100	3600								400	4630	1525	2850
PBA-220/3100	2200	3100	2600	410	215	550	160	12	150	17	300	3650	1795	2850
PBA-220/4100		4100	3600								400	4650	1795	2950
PBA-300/3100	3000	3100	2600	410	265	580	120	10	120	22	450	3670	1925	2980
PBA-300/4100		4100	3600								600	4670	1925	3080