

## Techma360

**Techma360.** is ranked amongst the leading **Importers** and **Suppliers** of broad assortment of **CNC Fiber Laser Cutting Machine, CNC Fiber Laser Welding Machine, CNC Fiber Laser Marking Machine, CNC Press Brake Machine, CNC Shearing Machine, CNC Turret Punching Machine, Busbar Processing Machine etc** The products provided by us are manufactured at our suppliers end by using high quality approved components with highly advanced technology by team of professionals. These products are highly acknowledged among our renowned customers for the outstanding features such as long service life, optimum strength, flawless finish, highly durable & effective service support etc.

**Techma360** aim to provide durable, affordable & easily operable Sheet Metal Processing machines. Apart from the premium standard quality, **our brand also focuses on providing the best pre & post-sale customer service support**

### **PRESS BRAKE MACHINE**





## MAIN FEATURES:

This CNC hydraulic press brake machine is advanced in technology and reliable in metal sheet bending performance. It is widely used in plane, automobile, trucks, shipbuilding, various fabrication industry with high production efficiency.

- 1.Brand-new industry design combined with modern aesthetic concept, high-quality production technology, simple appearance.
- 2.Latest high-frequency responding hydraulic control technology, faster, more efficient and accurate.
- 3.Heat treatment of the rack, rigidity optimization verification on entire machine and the application of hydraulic compensation structure jointly ensure the bending precision of MB8 series PRESS BRAKES.
- 4.Optimal ratio of parameters and top-level core configuration ensure stable performance and easy operation.
- 5.MB8 standard 2 shafts back gauge system, as to complex shape work pieces, 4 or 5 shafts back gauge system and corresponding dies are available for your option.
- 6.Press brake using fully closed-loop electro-hydraulic servo control technology, slider position signals can be feedback to CNC system by bilateral gratings, then CNC system adjusts the amount of fuel tank by changing the synchronous valve opening size, hereby controlling the slider Y1, Y2 running on the same frequency, maintaining the parallel state of the worktable.
- 7.According to state of sheet metal on the press brake, CNC system can automatically control the table deflection compensation yielding uniform length of all workpieces angles.

8.The use of hydraulic deflection compensation gives access to uniform full length workpieces. Hydraulic deflection compensation consists of a set of oil cylinders under the worktable, which can make the table occurs relative movement and form an ideal convex curve, ensuring the relative positions with slider keep unchanged. Compensation valves are subject to plate thickness and properties of material to be bent.

### **Standard Equipment:**

- CNC system adopts Holland DELEM DA53T
- Grating ruler controls depth Y1 and Y2 axis to 0.01
- Servo motor and servo drive control X axis to 0.01mm, stop fingers can be easily moved along the cylindrical guide.
- Keep the accuracy between Hiwin ball screw and linear guide within 0.01mm
- Front carrier can be adjusted along the linear guide in the worktable direction
- Germany ARGO closed-loop electro-hydraulic servo synchronous controls the system
- Germany EMB oil tube connectors
- Germany Siemens Main Motor
- France Schneider Electrics
- Bergerda Servo driver
- Hydraulic &Electrical overload protection
- Upper are mechanical fast pinching punches. Lower are double-V quick changing dies(86°,R0.6mm)

Top and Bottom Tooling(86°,R0.6mm)

### **Safety Equipment:**

- Front finger Protection(Safety light curtain)
- South Korea Kacon Foot Switch(Level 4 of safety)
- Back metal safe fence with CE standards
- Safety relay with Monitor the pedal switch and safety protection

## MAIN COMPONENTS

No	Name	Model/Manufacture	Benefit	Configuration
1	CNC System	Holland Delem DA53T Controller		Standard
2	Electrics	France Schneider Electrics	Travel switch&Limit Switch	
3	Main Motor	Siemens Motor		
4	Back stopper, Timing belt, Timing Pulley	Taiwan	Positioning Control Guaranteed precision	
5	Servo Motor	Hangzhou Bergerda	Positioning control Guaranteed precision	
6	Servo Drive	Hangzhou Bergerda	Positioning control Guaranteed precision	
7	Pedal Switch	South Korea KACON		
8	Sealing Ring	German Merkel		
9	Hydraulic System	Germany ARGO		
10	Oil Tube Connector	Germany EMB		
11	Front safeguard	China		
12	Back safeguard	China		
13	Die	One set of standard dies		
14	Backgauge	Taiwan Hiwin ball screw and linear guide rail		
15	Clamping	China		
16	Deflection Compensation	Hydraulic Compensation		
17	Grating ruler	France FAGOR		
18	Standard Axis	3+1 (Y1, Y2, X +V)		