

CNC Hydraulic Press Brake

This CNC hydraulic press brake is designed for precision metal forming, bending, folding, straightening and leveling. It utilizes a CNC control system for accurate positioning and a robust hydraulic system for applying force to metal sheets.



ADDITIONAL IMAGES



Overview

Precision Metal Forming Solution

This CNC Hydraulic Press Brake is engineered for high-precision metal forming, including bending, folding, and straightening operations. Utilizing advanced finite element analysis during design, the machine structure ensures superior reliability and consistent operational precision. It features a sophisticated CNC control system capable of complex graphic programming, automatic bending pressure calculation, and intelligent compensation for workbench distortion.

Technical Specifications

Core Performance Metrics

100 tons
Bending Force

3200 mm
Bending Length

Construction Standards

Overall welded and processed structure validated by ANSYS finite element analysis

Control System

Automation Capabilities

- Graphic programming for bending angle
- Automatic bending pressure calculation
- Workbench distortion compensation
- Automatic rear stopper withdrawal
- Y1 and Y2 axis synchronization

Supported CNC Systems

DELEM, CYBELEC, ESA, DA66T