



## 100 Ton CNC Press Brake Controller Delem Hydraulic Synchronize Bending Machine

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2019.206.C3862
- Model Number: HSC-40T/63T/80T/100T/125T/160T/200T/250T/400T
- Minimum Order Quantity: 1
- Price: negotiable
- Packaging Details: carton box
- Delivery Time: 90 days
- Payment Terms: L/C, T/T, D/P, D/A
- Supply Ability: 1 Set/Sets Every 15~35 days



### Product Specification

- Machine Name: Hydraulic Synchronize CNC Bending Machine
- Machine Application: Stainless Steel Sheet Metal Plate Bending
- CNC Controller: ESTUN/DELEM/CYBELEC
- Voltage: 220V/380V/415V/440V/customized
- Machine Color: Customer Choose
- Main Motor: SIEMENS / STJ Main Motor
- Machine Hydraulic System: Bosch Rexroth Germany
- Machine Parts: GENUO, China, Anhui
- After-sales Service Provided: Online Support
- Value-added Services: Presented Two Years Warranty
- Length Specification: 1250/1600/2500/3200/4000/5000/6000
- Highlight: **CNC press brake bending,  
100t press brake bending,  
1250mm press brake bending machine**



for more products please visit us on [genuocnc.com](http://genuocnc.com)

## Product Description

### 100Ton CNC Press Brake Controller Delem Hydraulic Synchronize Bending Machine Price

#### → Product Introduction:

GENUO Genius HSC Series CNC press brake is a high strength integrated machine tool design, more durable. The CybTouch/Delem CNC control system can independently and accurately control the Y1 and Y2 axes, making the ram run simultaneously, and automatically calculate the pressure, lifting and developing dimensions according to the length and thickness of the workpiece. In addition, 2D and 3D image editing and presentation options feature to make bending easier and more efficient. Advanced servo proportional valve, through the grating ruler real-time feedback, to ensure high bending accuracy and stability. Large travel and daylight combined with a multi-axis optional high-precision back guide rule system allow for more flexible bending sizes and angles. This is the most mainstream, the most popular cost-effective CNC press brake on the market. 40T to 800T Optional.

#### → Product Feature:

1. Adopt holistic processing and tempering ultra-high strength frame;
2. Advanced servo proportional valve, strong stability;
3. High precision back guide rule system, more flexible bending size and Angle;
4. High quality hydraulic system, large power, fast speed;
5. Powerful multi-functional CNC controller, 2D and 3D image editing and presentation;
6. The rear stopper adopts imported ball screw and linear guide, with high precision;
7. Special mold can be customized according to the workpiece, and provide a full range of solutions.

#### → Machine Application:

Hydraulic CNC Press Brake - It is a sheet metal forming machine designed for cold rolling sheet metal processing, widely used in automobile, aircraft manufacturing, light industry, shipbuilding, container, elevator, railway vehicles and other industries of sheet metal bending processing.

#### → Product Configuration:

| Standard Equipment:  | Feature:  |
|--|---|
| ◆ CYBELEC CybTouch 12 CNC Control                                    | ◇ Delem DA-58T,ESA S640,DA-66T,ETC-16T                  |
| ◆ Mono block welded rigid to deflection and high tensile steel frame | ◇ 2 axis back gauge with R-axis or mutil-axis           |
| ◆ High precision Y1,Y2 axis synchronized closed-loop feedback        | ◇ Z1,Z2 Joy stick control back gauge fingers            |
| ◆ Accurate heavy-duty X axis back gauge system                       | ◇ DSP or SDKELI Laser front guard options               |
| ◆ Auto Motorized crowning system/Hydraulic cylinder crwoning         | ◇ Energy saving and low noise main servo motor drive    |
| ◆ European-style punch and 4V/2V/1V Dies                             | ◇ WILA type top and bottom tool clamping system         |
| ◆ Fast punch clamps and movable sliding front support                | ◇ Bending tools management cabinet or trolley           |
| ◆ BOSCH Rexroth hydraulic system,GIVI linear encoder                 | ◇ Special heights, Daylight, Throat Depth are available |
| ◆ SIEMENS main motor,Sunny pump,Schneider Electric                   | ◇ 40~400 Tons and 4~20ft Bending Lengths options        |
| ◆ EMB ferrule type pipe connector, NO.K sealing rings                | ◇ Single/Tandem/Trio optional                           |

#### → Machine :

# CNC PRESS BRAKES

Rexroth Hydraulic System



Germany Siemens main motor and  
USA SUNNY or FIRST gear oil pump



Stable Electrical Cabinet



Fast Clamps



Machine Tooling



2 Axis Back Gauge (X,R)



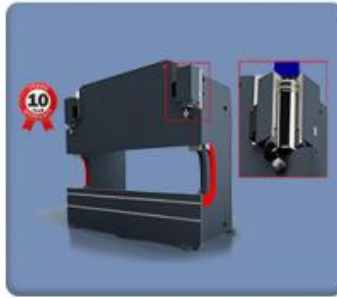
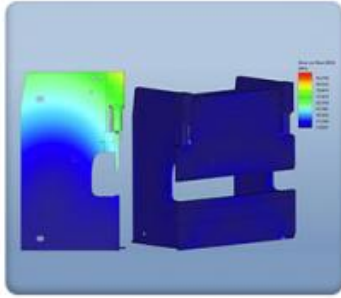
1 Axis Back Gauge (X)

## CNC Controller



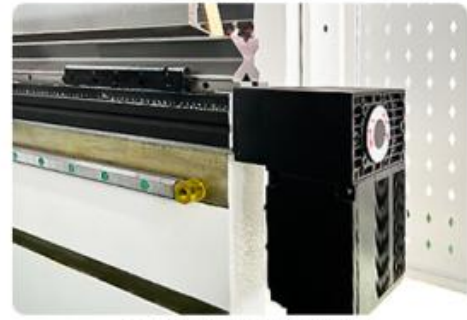
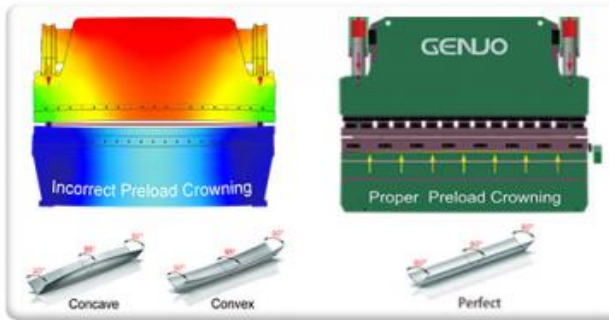
|   |   |   |
|---|---|---|
| <p>◎ <b>CYBELEC CybTouch 12</b></p> <p>High-contrast vivid colors touch-screen TouchProfile 2D graphic part creation function.Simple pages, clear display.<br/>4 +1 axes control (Y1-Y2-X-R-Crowning)<br/>CT 12 features an intuitive touch screen user interface, offering a high integration of func-tions.CT 12 is as powerful as it is easy to use.</p> | <p>◎ <b>Delem DA-53T</b></p> <p>TCT 7" idescreen colour LCD display<br/>Program memory of 100 programs 25 steps per program with tool library.<br/>DA-41T, compact touch CNC for 2-axes (Y,X) conventional press brakes. DA-42T, compact touch CNC for 3+1 axes conventional press brakes Y-X-R-Crowning.</p> | <p>◎ <b>ESA VIS-630</b></p> <p>The most powerful CNC in its class. 10 "color touch screen. Up to 4+1 axes<br/>High level performance in an economic, performing and easy to use CNC.<br/>Advanced graphic prog-ramming for greater ease of use sophisticated algorithms to make the most of the machines in all applications.</p> |
|---|---|---|

## Structure Details

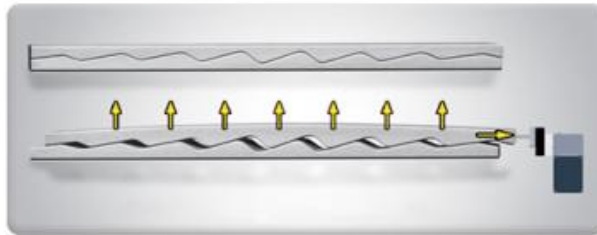


|   |   |  |
|---|---|--|
| <p>▼ <b>Rigid Frame Construction</b></p> <p>GENUO have vast experience with R&amp;D and designing components to very tight tolerances with SOLIDWORKS ,CAD modelling techniques,and that CAE, ANSYS,SOLIDWORKS used as the method to analyze the linear static construction, stressand deformation for machine frames. So for complicated structures, highly com-plex loadings and transient modelling. The foundation of all GENUO press brakes is a solid,monoblock frame made from high-yield steel.</p> | <p>▼ <b>Proportional Control</b></p> <p>German Bosch Rexroth integrated "hydraulic system block", hydraulic transmission with high reliability, integrated hydraulic system can effectively alleviate the problem caused by leakage of hydraulic fluid.</p> | <p>▼ <b>Linear Encoder Feedback</b></p> <p>The deformation is measured accurately and compensated by feedback method. The accuracy can be achieved uM level.</p> |
|---|---|--|

# Auto Crowning Systems



CNC Motorized Crowning



Standard on GENIUS, ECO-GREEN, GAIN,  
Optional SMART, ESAY



CNC Hydraulic Crowning

To confirm a constant bend angle, manual or CNC crowning is essential which will offset potential deviations and allow for possible tooling wear to maintain parallel contacting surfaces. CNC crowning systems allow the press brake control to be pre-programmed with machine characteristics and deflection data. Adjust the calculate and setting accordingly for different characteristics of different materials.

## Optional Configuration



**LASER Safety Guards**  
Protect press brake operator from  
accidental danger

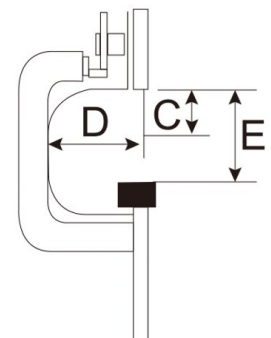
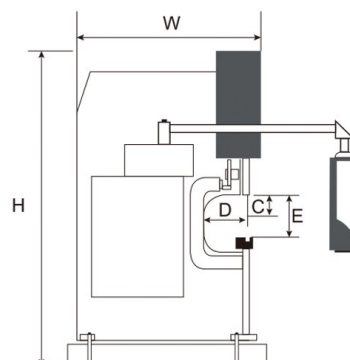
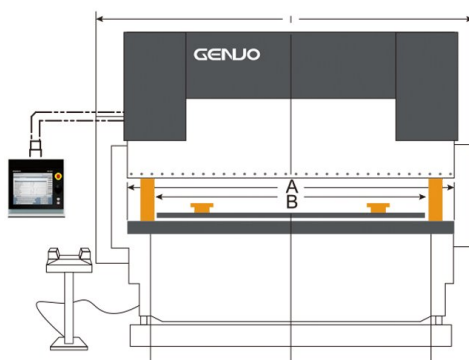


**Auto Tool Clamping System**  
WILA clamping system efficiently changes  
hydraulic and pneumatic tools



**CNC Sheet Follower**  
Suitable for all kinds of large metal sheet,  
reduce the workload of heavy lifting

## — HSC Technical Specification —



|  |  |   |   |   |   |   |  |  |  |
|--|--|---|---|---|---|---|--|--|--|
|  |  | A | B | D | E | C |  |  |  |
|--|--|---|---|---|---|---|--|--|--|



| Model     | Nominal Pressure | Length of Table | Distance Between Columns | Throat Death | Open Height | Ram Strokes | Motor Power | Approx Weight | Overall Dimension   |
|-----------|------------------|-----------------|--------------------------|--------------|-------------|-------------|-------------|---------------|---------------------|
|           | (KN)             | (mm)            | (mm)                     | (mm)         | (mm)        | (mm)        | (kw)        | (kg)          | (L x W x H)<br>(mm) |
| 40T/1600  | 400              | 1600            | 1300                     | 300          | 420         | 150         | 4           | 3000          | 1950*1750*2350      |
| 63T/2500  | 630              | 2500            | 2000                     | 320          | 420         | 150         | 5.5         | 4800          | 2850*1750*2350      |
| 80T/2500  | 800              | 2500            | 2000                     | 350          | 480         | 200         | 7.5         | 5800          | 2850*1850*2450      |
| 100T/2500 | 1000             | 2500            | 2000                     | 400          | 480         | 200         | 7.5         | 6500          | 2850*1850*2500      |
| 100T/3200 | 1000             | 3200            | 2700                     | 400          | 480         | 200         | 7.5         | 8500          | 3850*1850*2600      |
| 125T/2500 | 1250             | 2500            | 2000                     | 400          | 480         | 200         | 7.5         | 7600          | 3000*1850*2500      |
| 125T/3200 | 1250             | 3200            | 2700                     | 400          | 480         | 200         | 11          | 9000          | 3850*1850*2600      |
| 125T/4000 | 1250             | 4000            | 3200                     | 400          | 480         | 200         | 11          | 10000         | 4610*1850*2600      |
| 160T/3200 | 1600             | 3200            | 2700                     | 400          | 480         | 200         | 11          | 10500         | 3900*1900*2600      |
| 160T/4000 | 1600             | 4000            | 3200                     | 400          | 480         | 200         | 11          | 12000         | 4650*1900*2700      |
| 200T/3200 | 2000             | 3200            | 2700                     | 400          | 480         | 200         | 15          | 12000         | 3900*1900*2700      |
| 200T/4000 | 2000             | 4000            | 3200                     | 400          | 480         | 200         | 15          | 14000         | 4700*1900*2800      |
| 200T/5000 | 2000             | 5000            | 4000                     | 400          | 480         | 200         | 15          | 18000         | 5800*1900*2900      |
| 200T/6000 | 2000             | 6000            | 4900                     | 400          | 480         | 200         | 15          | 22000         | 6800*1900*3000      |
| 250T/3200 | 2500             | 3200            | 2700                     | 400          | 520         | 250         | 18.5        | 14500         | 3900*2100*2800      |
| 250T/4000 | 2500             | 4000            | 3200                     | 400          | 520         | 250         | 18.5        | 16500         | 4700*2100*2900      |
| 250T/5000 | 2500             | 5000            | 4000                     | 400          | 520         | 250         | 18.5        | 20000         | 5800*2100*3000      |
| 250T/6000 | 2500             | 6000            | 4900                     | 500          | 520         | 250         | 18.5        | 24000         | 6500*2100*3100      |
| 320T/3200 | 3200             | 3200            | 2700                     | 400          | 520         | 250         | 22          | 17000         | 4000*2100*3000      |
| 320T/4000 | 3200             | 4000            | 3200                     | 400          | 520         | 250         | 22          | 20000         | 4800*2200*3200      |
| 320T/5000 | 3200             | 5000            | 4000                     | 500          | 520         | 250         | 22          | 25000         | 5800*2200*3400      |
| 320T/6000 | 3200             | 6000            | 4900                     | 500          | 520         | 250         | 22          | 30000         | 6500*2200*3600      |
| 400T/4000 | 4000             | 4000            | 3200                     | 500          | 600         | 320         | 30          | 26000         | 4800*2400*3500      |
| 400T/5000 | 4000             | 5000            | 4000                     | 500          | 600         | 320         | 30          | 32000         | 5500*2400*3600      |
| 400T/6000 | 4000             | 6000            | 4900                     | 500          | 600         | 320         | 30          | 38000         | 6500*2400*3800      |
| 500T/4000 | 5000             | 4000            | 3200                     | 500          | 600         | 320         | 37          | 30000         | 4800*2600*3600      |
| 500T/5000 | 5000             | 5000            | 4000                     | 500          | 600         | 320         | 37          | 39000         | 5500*2600*3800      |
| 500T/6000 | 5000             | 6000            | 4900                     | 500          | 600         | 320         | 37          | 50000         | 6500*2600*4000      |



Maanshan Genuo Machinery Manufacturing Co., Ltd.

☎ 0086 555 7168598

✉ sales@genuogroup.com

🌐 genuocnc.com

Wanda Center 1116, Yushan District, Maanshan, Anhui, China 243000