



CNC Press Brake Bending Machine GENIUS HSC Series CNC Hydraulic Press Brake

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: genuo
- Minimum Order Quantity: 1
- Price: negotiable
- Packaging Details: carton box
- Payment Terms: L/C, T/T, D/P, D/A



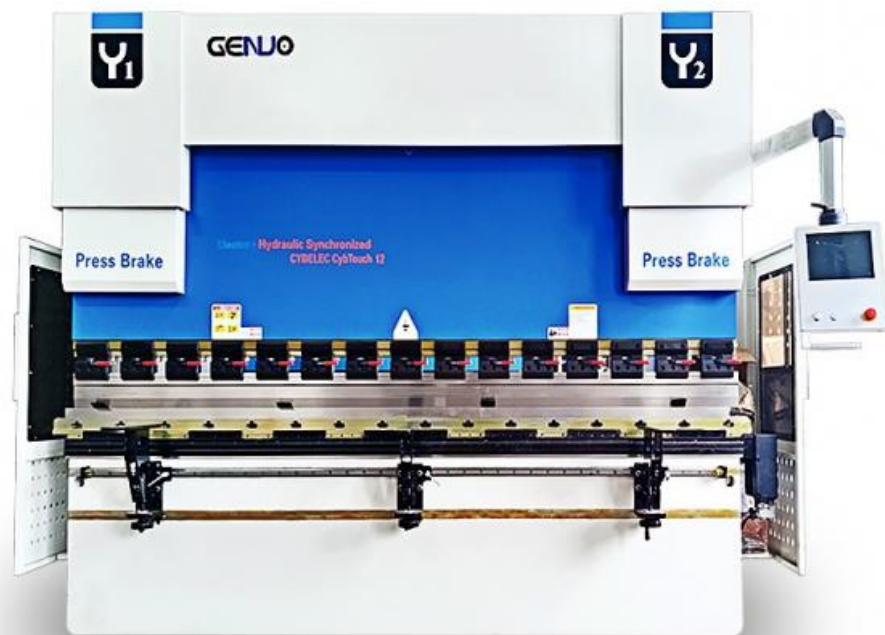
Product Specification

- Class: Pro-con
- Highlight: GENIUS HSC cnc hydraulic press brake,
cnc hydraulic press brake GENIUS HSC,
Hydraulic cnc press brake bending machine

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PRESS BRAKES

GENIUS HSC Series



Standard Equipment

- ◆ Delem DA-53T/CYBELEC CybTouch 12 CNC Control
- ◆ High yield steel Mono-block frame
- ◆ Precision Y1, Y2 axis synchronous Ram positioning
- ◆ Accurate heavy-duty X,R axis back gauge
- ◆ Auto Motorized crowning system/Hydraulic cylinder crowning
- ◆ European-style punch and 4V/2V/1V Dies
- ◆ Fast punch clamps and movable sliding front support
- ◆ BOSCH Rexroth hydraulic system, GIVI linear encoder
- ◆ SIEMENS main motor, Sunny pump, Schneider Electric
- ◆ EMB ferrule type pipe connector, NO,K sealing rings

Optional Equipment

- ◇ Delem DA-58T, DA-66T, CYBELEC CT15, ESA S640
- ◇ Main servo motor SVP control (Energy conservation)
- ◇ DSP or Keli Lasersafe protection guard
- ◇ 1 axis back gauge with manual R-axis
- ◇ Z1, Z2 Joy stick control back gauge fingers
- ◇ CNC sheet follower front support device.
- ◇ WILA type top and bottom tool clamping system
- ◇ Automatic rail and screw lubrication system
- ◇ Bending tools management cabinet or trolley
- ◇ Single/Tandem optional

CNC Controller

◎ CYBELEC CybTouch 12

◎ Delem DA-53T

◎ ESA VIS-630

High-contrast vivid colors touchscreen TouchProfile 2D graphic part creation function. Simple pages, clear display. 4 +1 axes control (Y1-Y2-X-R-Crowning) CT 12 features an intuitive touch screen user interface, offering a high integration of functions. CT 12 is as powerful as it is easy to use.

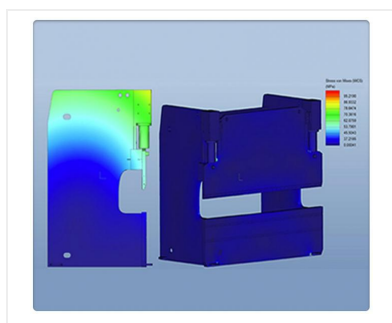
"Hot-key" touch navigation with 10.1" wide screen high resolution colour TFT Up to 4 +1 axes (Y1-Y2, X, R (or Z)-axis and Crowning control). Compact 4+1 axes touch colour CNC control for a wide range of press brake applications without compromising machine functionality

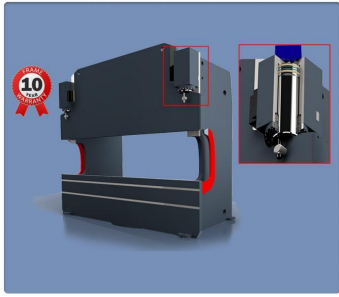
The most powerful CNC in its class. 10 "color touch screen. Up to 4+1 axes High level performance in an economic, performing and easy to use CNC. Advanced graphic programming for greater ease of use sophisticated algorithms to make the most of the machines in all applications.

Structure Details



High precision closed loop CNC control





▼ Rigid Frame Construction

GENUO have vast experience with R&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, stress and deformation for machine frames. So for complicated structures, highly complex loadings and transient modelling. The foundation of all GENUO press brakes is a solid, monoblock frame made from high-yield steel.

▼ Proportional Control

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.

▼ Linear Encoder Feedback

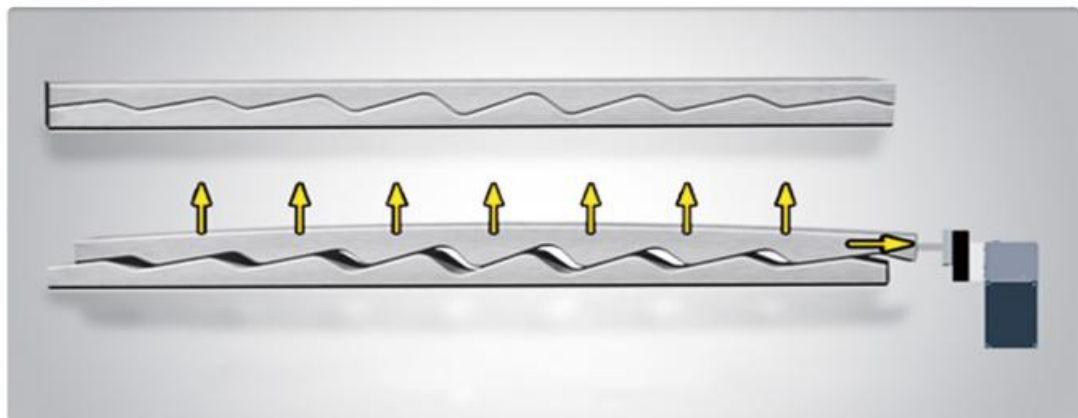
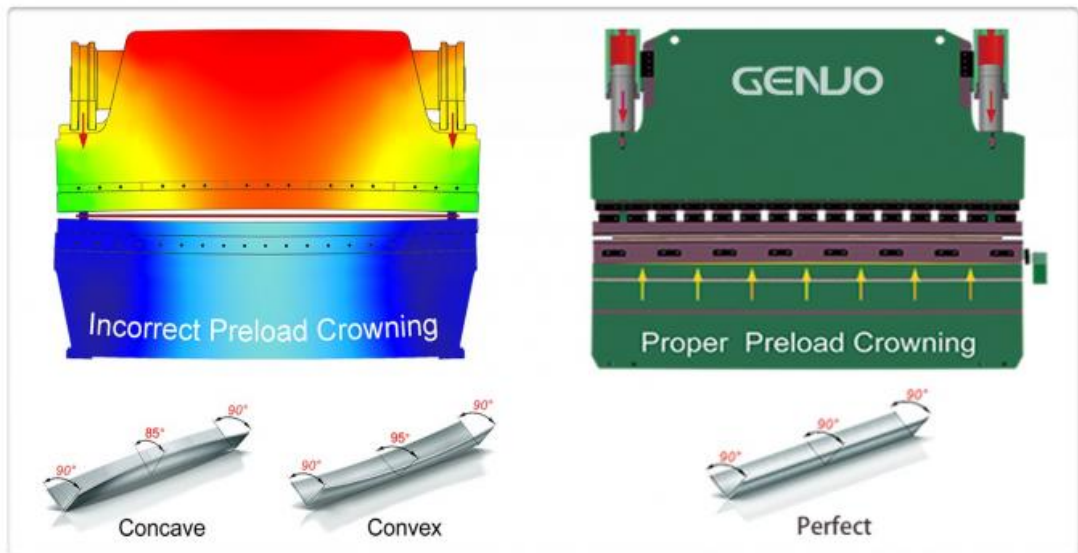
The deformation is measured accurately and compensated by feedback method. The accuracy can be achieved μm level.

Backgauge System

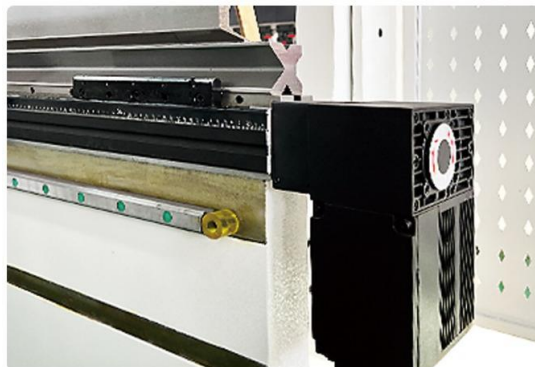
Establishing the right back gauge for your projects will allow for increased part production and precision. From intricate parts which typically require more axes to large quantities that require more time and therefore increased cost, the correct back gauge for each job is essential to lowering costs per part which ultimately benefits your bottom line. GENUO technicians are happy to assist you with any questions you may have on your project requirements.

Auto Crowning Systems

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.



All CNC Press Brake above 1600mm are equipped as standard.



CNC Motorized Crowning



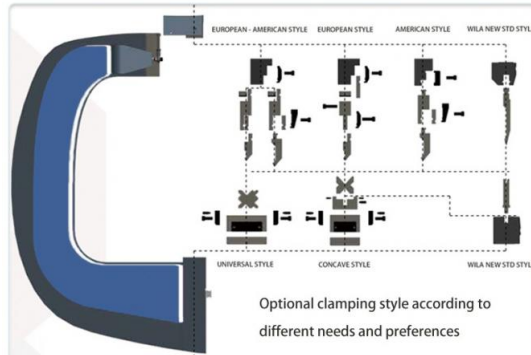
CNC Hydraulic Crowning

Tooling and Clamps

GENUO provides a variety of tooling solutions to meet your different production needs. Not only that, we are also experts in the field of bending tools.

If you have any special bend, our engineers will customize special tools for each workpiece, which greatly expands your press brake function and revenue.

To help greatly improve your productivity and business benefits.



Promecam /EURO Style
punch Standard on
all series press brake.
Optional other shapes.



Wila NEW STD. Style
punch are optional.

The clamp system needs
to match this style.

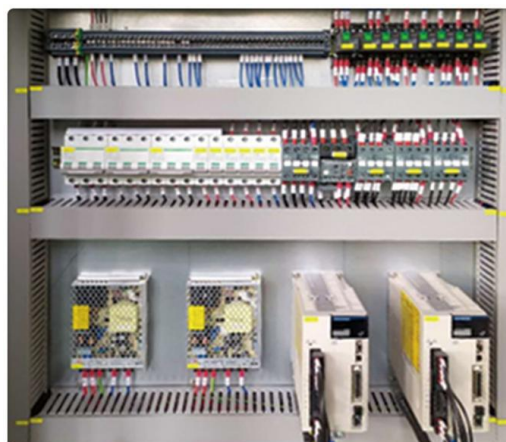


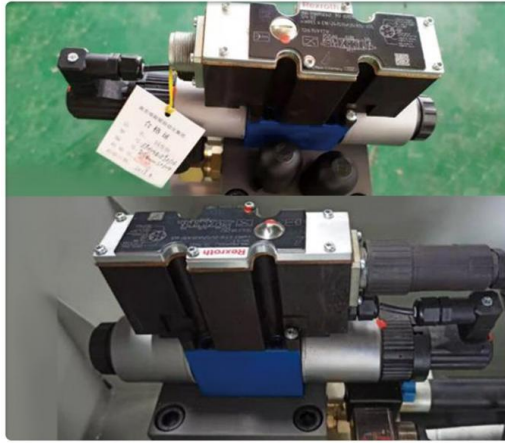
AMERICAN /Heavy Style
punch Standard on G.AINT.
Optional other shapes.



Upgradeable GENUO One-Key Release Style Or Amada SGRIP Double-Sided Clamps

Configuration Details





▼ Stable Electrical Cabinet

Durable France Schneider electrics ensure the stable operation of the machine. Reasonable line connection and arrangement greatly reduces the failure rate. The integrated control module of hydraulic valve group makes the sliding block move smoothly and accurately. And the operator and all parts of the machine played a good protection.

▼ Superior Hydraulic System

Integrated Rexroth hydraulic system, quick response. The low failure rate makes the machine run safely, efficiently and stably. The whole series of standard is equipped with galvanized cold drawn pipe and German EMB ferrule type pipe joint. Reduce the risk of oil leakage by 50% compared with rubber and welded seamless tubing. And it can be longer service life.

▼ Low Noise and Powerful Force

Using Germany Siemens main motor and USA SUNNY or FIRST gear oil pump guarantee the machine service life and improve the machine working stability. Reasonable matching makes the machine burst out strong and lasting pressure. At the same time, the special coupling device also greatly reduces the noise of the machine in the process of running.

Optional Configuration



LASER Safety Guards

DSP LASER protects the press brake operator from the danger of crushing that can take place accidentally between the moving part of the machine and the fixed one. It assures to carry out the machine working cycle penalizing its execution time in the least.

Auto Tool Clamping System

WILA'S state of the art Clamping systems can offer the ultimate solution when it comes to efficiently changing tools both hydraulic and Pneumatic. Accuracy and ergonomics have been coordinated to realize the highest level of productivity.



Bending Tools Management Cabinet

Tool cabinet is suitable for storing tools, tools, parts, so that your items access work accurate, efficient and convenient.



CNC Sheet Follower

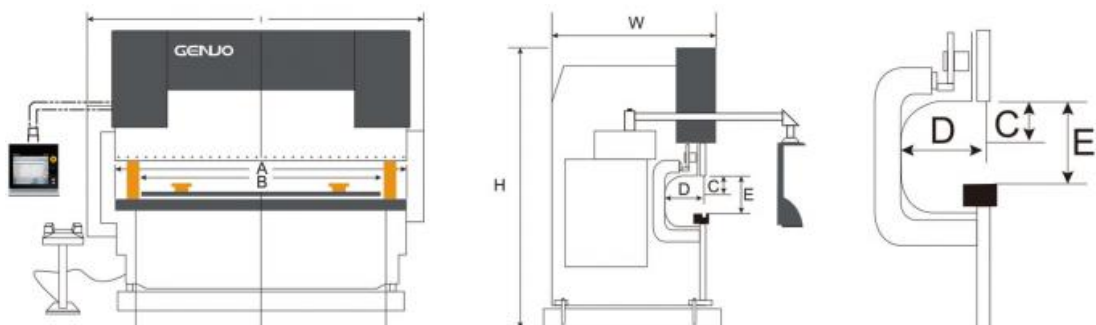
This CNC bending support suitable for all kinds of large sheet metal, especially thin metal sheet. Keep the synchronization with the plate in the bending process, reduce the workload and improve the bending efficiency.



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HSC Technical Specification



Model	Nominal Pressure	A	B	D	E	C	Motor Power	Approx Weight	Overall Dimension
	(KJ)	Length of Table (mm)	Distance Between Columns (mm)	Throat Death (mm)	Open Height (mm)	Ram Strokes (mm)	(kw)	(kg)	(L x T x D (mm))
40T/1600	400	1600	1250	300	420	150	4	3000	1950*1750*2350
63T/2500	630	2500	1900	320	420	150	5.5	4800	2950*1750*2350
80T/2500	800	2500	1900	350	480	200	7.5	5500	3850*1850*2550
100T/3200	1000	3200	2600	400	480	200	7.5	9500	3850*1850*2800
100T/4000	1000	4000	3200	400	480	200	7.5	9600	4610*1850*2700
125T/2500	1250	2500	1900	400	480	200	7.5	7600	3000*1850*2600
125T/3200	1250	3200	2600	400	480	200	11	9000	3850*1850*2600
125T/4000	1250	4000	3200	400	480	200	11	10800	4610*1850*2700
160T/3200	1600	3200	2600	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	2600	400	480	200	15	12000	3900*1900*2700
200T/4000	2000	4000	3200	400	480	200	15	14000	4700*1900*2700
250T/3200	2500	3200	2600	400	480	200	18.5	14500	3900*2100*2800
250T/4000	2500	4000	3200	400	480	200	18.5	16500	4650*2100*2850
320T/3200	3200	3200	2600	400	480	200	22	17000	3930*2110*3200
320T/4000	3200	4000	3200	400	480	200	22	20000	4830*2110*3200
400T/4000	4000	4000	3200	400	600	320	30	20000	4850*2450*3500
500T/6000	5000	5000	4900	500	600	320	37	40000	6500*2810*4500
600T/6000	6000	6000	4900	500	600	320	45	55000	6500*2910*5100
800T/6000	8000	6000	4720	700	600	400	55	70000	6500*2950*5300

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