



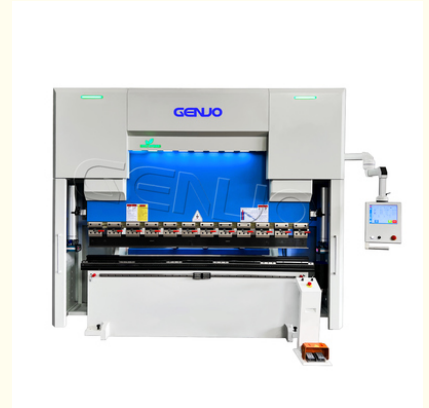
Fully Automatic 80t-1250mm Pressbrake 3d Auto Cnc Press Brake Machinery Manufacturers with Hydraulic Bending Tools

Our Product Introduction

for more products please visit us on genuocnc.com

Basic Information

- Price: \$33,500/sets 1-2 sets



Product Specification

- Slider Stroke (mm): 200 Mm
- Automatic Level: Fully Automatic
- Throat Depth (mm): 400 Mm
- Machine Type: Synchronized
- Length Of Working Table (mm): 4000
- Width Of Working Table (mm): 3200 Mm
- Dimension: 4650*1900*2700
- Place Of Origin: Anhui
- Brand Name: GENUO
- Material / Metal Processed: Stainless Steel, Carbon Steel
- Automation: Automatic
- Extra Services: End Forming
- Weight (kg): 12000
- Motor Power (kw): 44 Kw



More Images



PRESS BRAKES

GENIUS HSC-Pro(WS67K) Series



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Machine Description

GENUO Genius Pro HSC series CNC press brake based on proven design Genus series. Stainless steel oil tank and more integrated hydraulic system make the bending machine have longer hydraulic oil service life and fewer pipelines. The excess overflow of the hydraulic system is greatly reduced, the bending efficiency is improved, and the phenomenon of excessive oil temperature in continuous operation is avoided. Based on the powerful main servo motor pump control technology, we can precisely control the movement of the ram using a minimum amount of oil and energy. Genius Pro CNC Press Brake provides energy saving up to 50% compared with Conventional hydraulic press brakes. With advanced motion technologies and impressively quiet with the most flexible features and options, the Genius pro is one of the choices in creating complex parts. 40T~200T optional.

Standard Equipment

- ◆ Delem DA-66T CNC Control
- ◆ Mono block welded rigid to deflection and high tensile steel frame
- ◆ Delta main servo motor hybrid pump control system
- ◆ High precision Y1,Y2 axis closed-loop synchronized feedback
- ◆ Accurate heavy-duty X,R axis back gauge system
- ◆ Auto Motorized crowning system/Hydraulic cylinder crowning
- ◆ WILA type punch and 4V/2V/1V Dies
- ◆ DSP laser front guard and movable sliding front support

Feature

- ◇ Delem DA-69T, CYBELEC ModEva 19T, ESA S675,
- ◇ 4 axis and 6 axis back gauge options
- ◇ Bending tools management cabinet or trolley
- ◇ CNC sheet follower front support device
- ◇ Lasersafe or lasercheck angle detection feedback device
- ◇ 6 axis or 7 axis Bending Robot Cell options
- ◇ Special heights, Daylight, Throat Depth are available
- ◇ 40~200 Tons and 4~20ft Bending Lengths options

◆ BOSCH Rexroth hydraulic system, GIVI linear encoder

◇ Single/Tandem/Trio optional

◆ EMB ferrule type pipe connector, NOK sealing rings

CNC Controller



○ CYBELEC VisiTouch 19

19" color streamlined glass touch screen 2D graphical profile drawing.

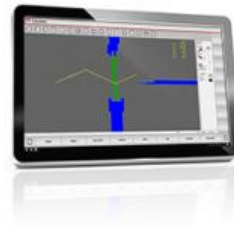
Complete programming of parts on a single page.

VisiTouch 19 is a powerful numerical control that can be adapted to standard press brakes Up to the most sophisticated models controlling any number of axes.



○ Delem DA-66T

3D and 2D graphical touch screen programming with 17" high resolution color TFT. Full Windows application suite. DA-66T is applicable to all synchronized series bending machines of GENIUS, ECO-GREEN and GAIAT. Up to 8+1 axes control (Y1-Y2, X1, X2, R1, R2, Z1, Z2 and Crowning)



○ ESA VIS-675W

Ultra-large 21" TFT LCD Full HD Multitouch screen both of all 3D Cad-Cams and of any type of machine up to the incredible limit of 128 axes. industrial integrated PC with Windows 10 operating system, high-power Intel i5 3.2 Ghz CPU with 8 Gb of RAM. own Virtually unlimited bi-board connectivity and expandability

To Learn More

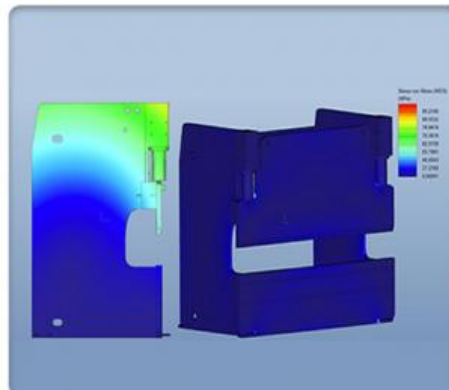
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Structure Details



▼ Master servo pump control technology

The hydraulic press drive ePrAX modular adapted to the special requirements of drives for CNC press brakes. All required components can be assembled according to the modular principle. The exible arrangement allows an optimal use of the mounting space. For each actuator a servo motor takes over the control of power stroke and fast stroke as well as bending force. High dynamics with significant energy savings and shorter cycles, the operating noise of the press brake is drastically reduced by each adapted speed.



▼ 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.



▼ Linear Encoder Feedback

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.



▼ Proportional Control

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.



2 Axis Back Gauge (X,R)



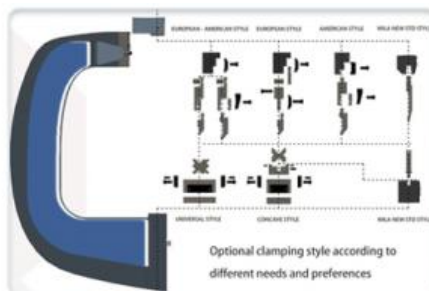
4 Axis Back Gauge (X,R,Z1,Z2)



6 Axis Back Gauge (X1,X2,R1,R2,Z1,Z2)

Tooling and Clamping

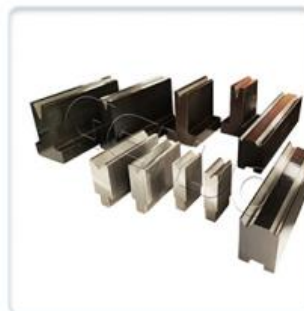
GENUO provides a variety of tooling solutions to meet your different production needs. Not only that, we are also experts in the field of bending tools. If you have any special bend, our engineers will customize special tools for each workpiece, which greatly expands your press brake function and revenue. To help greatly improve your productivity and business benefits.



EURO Style Clamping System and Tools are optional



Wila New STD Style punch are standard on.

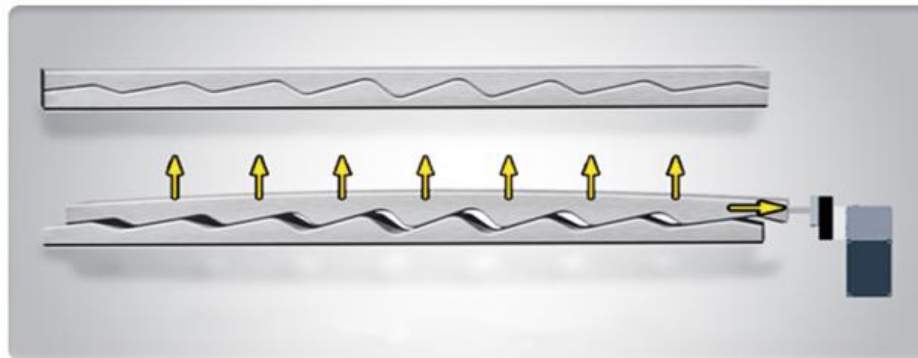
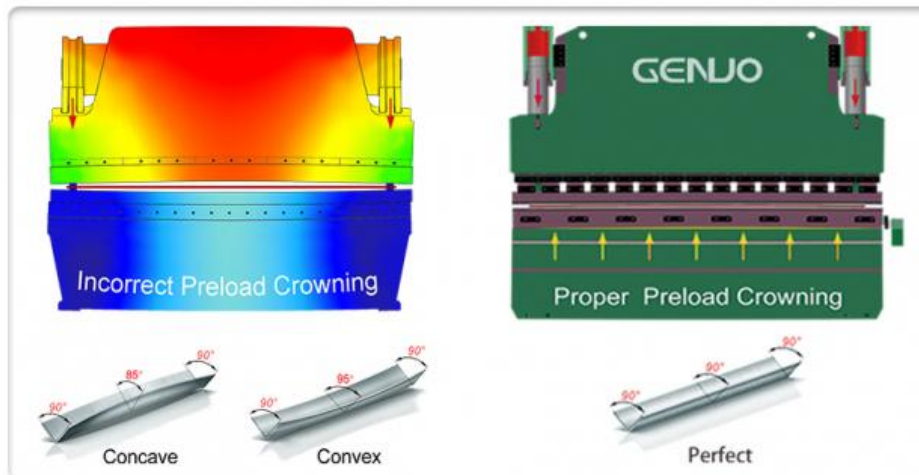


1V Die Standard on Mutil-V, 4V/2V Dies are optional.

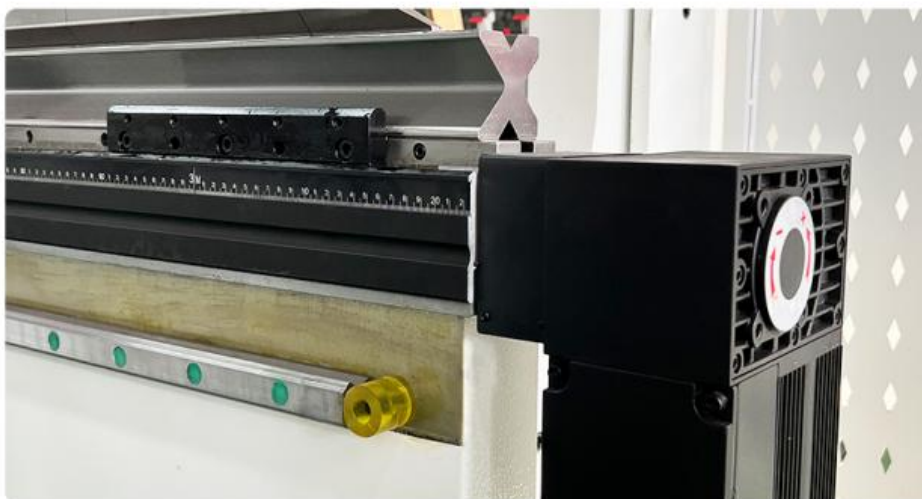
Auto Crowning Systems

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.



Standard on GENIUS, ECO-GREEN, GAIN, CNC Press Brake





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.





CNC Sheet Follower

This CNC bending support suitable for all kinds of large sheet metal, especially thin metal sheet. Perfect to maintain synchronization with the sheet during the bending process, which lightens the operators work moving heavy pieces, improves bending efficiency and reduces operator risk.

Angle Measuring System

Automatic angle measuring system can measure workpieces and regulate the angle, regardless of material variations. Reduce your materials consumption. Shorten your machining times to get work started more quickly.



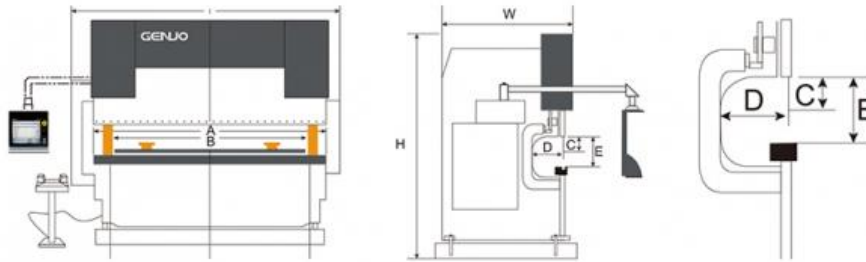
Bending Robotic Cell

In industry 4.0. Thanks to Genuo's fully automated bending cell solution. Realize unmanned reliable bending production around the clock.

All risks associated with part handling during bending are faced by the robot and not by the operator.
More safe and efficient

Product Parameters

HSC Pro Technical Specification



Model	Nominal Pressure (kn)	Bending Length mm	Columns Distance mm	Ram Strokes mm	Throat Depth (mm)	Open Height (mm)	Motor Power kw	Dimension (L x W x H) (m)
HTC Pro	/	A	B	C	D	E	/	/
40T1600	400	1600	1250	150	300	420	4	2.0*1.8*2.4
63T2500	630	2500	1960	150	320	420	5.5	2.9*1.8*2.4
100T3200	1000	3200	2600	200	400	480	7.5	3.9*1.9*2.6
100T4000	1000	4000	3200	200	400	480	7.5	4.6*1.9*2.7
125T3200	1250	3200	2600	200	400	480	11	3.9*1.9*2.6
160T3200	1600	3200	2600	200	400	480	11	3.9*1.9*2.6
200T3200	2000	3200	2600	200	400	480	15	3.9*1.9*2.7
300T4000	3000	4000	3200	200	400	480	22	4.8*2.1*3.2
500T6000	5000	6000	4900	320	500	600	37	6.5*2.8*4.5

The above data is only for reference only, to prevail in kind. More specifications available.

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