



WE67K PRO Synchronize Servo Hydraulic Press Brake Bending Machine

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2019.206.C3862
- Model Number: HSC PRO - 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

- Product Name: Hydraulic Synchronize Servo CNC Press Brake
- Machine Application: Stainless Steel Sheet Metal Plate Bending
- Machine Controller: ESA / DELEM / CYBELEC
- CNC Control System: Delem DA-66/69T / CybTouch 15 / ESA 875W
- Voltage: 220V/380V/415V/440V/customized
- Machine Color: Customer Choose
- Machine Main Motor: SIEMENS Main Motor
- Electrical Components: Schneider Electrical System
- Hydraulic System: Bosch Rexroth Germany
- Linear Guides: GIVI Linear Encoder
- Tools And Clamps: GENUO Fast Punch Clamps
- After-sales Service Provided: Online Support Video Technical Support
- Value-added Services: Presented Two Years Warranty



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PRESS BRAKES

GENIUS HSC-Pro Series



The Genius Pro HSC series CNC press brake is based on the validated design of the Genius series. The Y1 and Y2 axis are feedback in real-time through advanced servo proportional valves and Linear encoders, ensuring high bending accuracy and stability. The high-precision back gauge system with large stroke and 4-axis can achieve flexible bending dimensions and angles. The machine automatically calculates pressure, protrusion, and unfolding dimensions based on the length and thickness of the workpiece.

While continuing the excellent performance of the former, it is equipped with a more powerful CNC controller. The advanced 2D graphics programming function, automatic calculation, and step demonstration combined with the upgraded multi axis back gauge can handle more complex and irregular workpiece bending. Higher configuration machines make machine operation simpler and more efficient. This is a CNC bending machine that integrates precision and high intelligence. 40T~500T and 4~20ft optional.

Standard Equipment	Optional Equipment
◆ Delem DA-66T 7-Axis CNC Control	◇ CYBELEC CybTouch 15, ESA 875W, Delem DA-69T
◆ High-yield steel mono-block frame	◇ Main servo motor SVP control(Energy conservation)
◆ Precision Y1, Y2 axis synchronous Ram positioning	◇ DSP or Keli Lasersafe protection guard
◆ Accurate heavy-duty X,R,Z1,Z2 axis back gauge	◇ CNC sheet follower front support device.
◆ Auto V axis motorized CNC crowning system	◇ Lasercheck angle detection feedback device
◆ European-style punch and 4V/2V/1V Dies	◇ WILA type top and bottom tool clamping system
◆ Fast punch clamps and movable sliding front support	◇ Fully automatic bending robotic cell
◆ SIEMENS main motor, Sunny pump, Schneider Electric	◇ Automatic rail and screw lubrication system

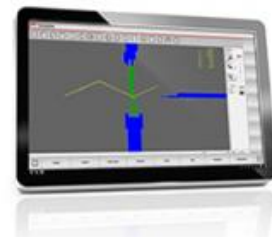
◆ BOSCH Rexroth hydraulic system,GIVI linear encoder

◇ Bending tools management cabinet or trolley

◆ EMB ferrule type pipe connector, NO,K sealing rings

◇ Single/Tandem/Trio optional

CNC Controller



⊙ 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 GAIANT. Up to 8+1 axes control (Y1-Y2, X1, X2, R1, R2, Z1, Z2 and Crowning)

⊙ CYBELEC CybTouch 15

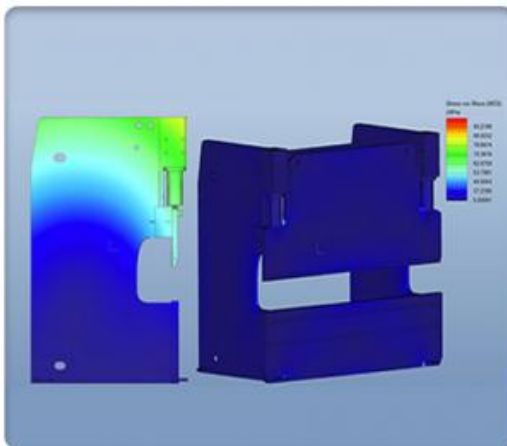
CybTouch 15 PS is a 2D numerical control specifically dedicated for entry to mid-range CNC press brakes up to 6 axes.

The CybTouch 15 PS features an intuitive touch screen user interface, offering a high integration of functionalities. User-friendly, easy to operate, simply powerful and userfriendly.

⊙ ESA VIS-875W

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

Structure Details



▼ 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.

▼ 4 Axis Back Gauge (X,R,Z1,Z2)

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.



▼ Closed-loop Proportional Control

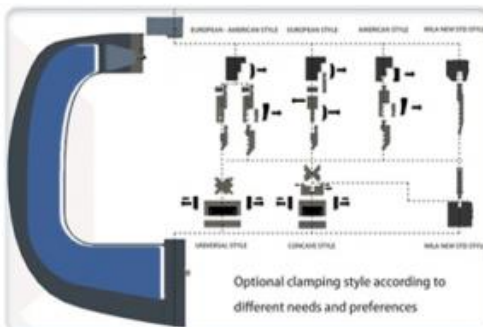
German Bosch Rexroth integrated "hydraulic system block", hydraulic transmission with high reliability, integrated hydraulic system can effectively alleviate the problem caused by leakage of hydraulic fluid.

▼ Linear Encoder Feedback

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

Tooling and Clamping

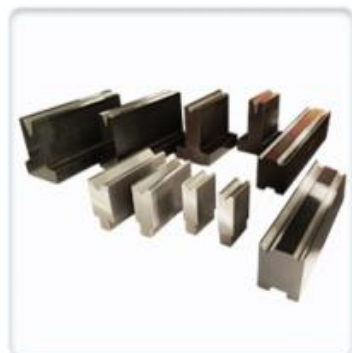
GENUO provides a variety of tooling solutions to meet your different production needs. Not only that, we are also experts in the field of bending tools. If you have any special bend, our engineers will customize special tools for each workpiece, which greatly expands your press brake function and revenue.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



EURO Style Clamping System and Tools are optional



Wilma New STD. Style punch are standard on.

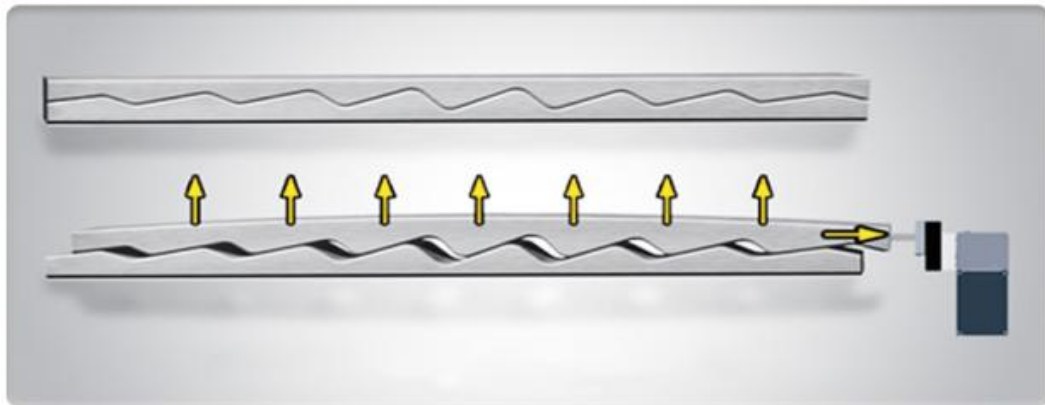
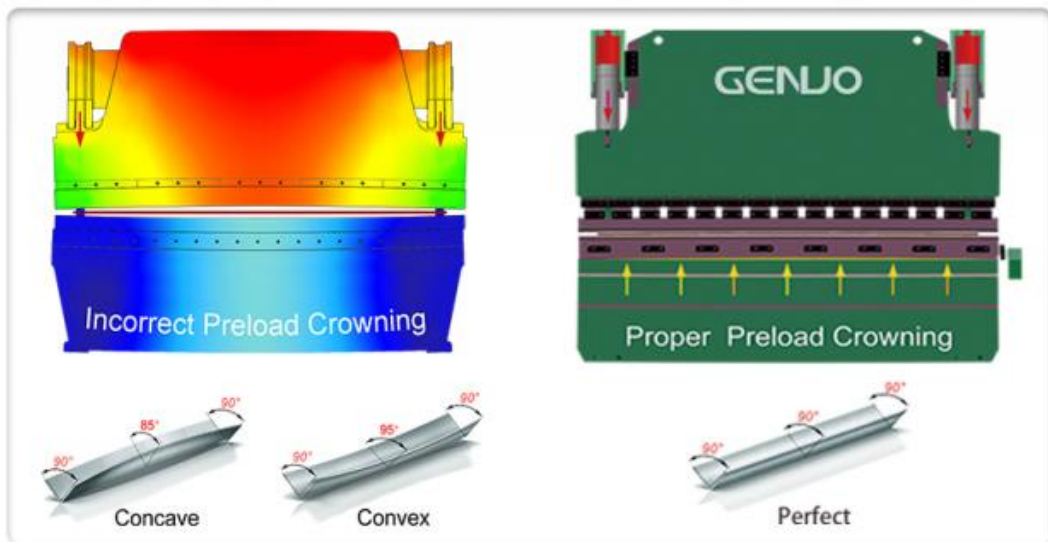


1V Die Standard on Mutil-V, 4V/2V Dies are optional.

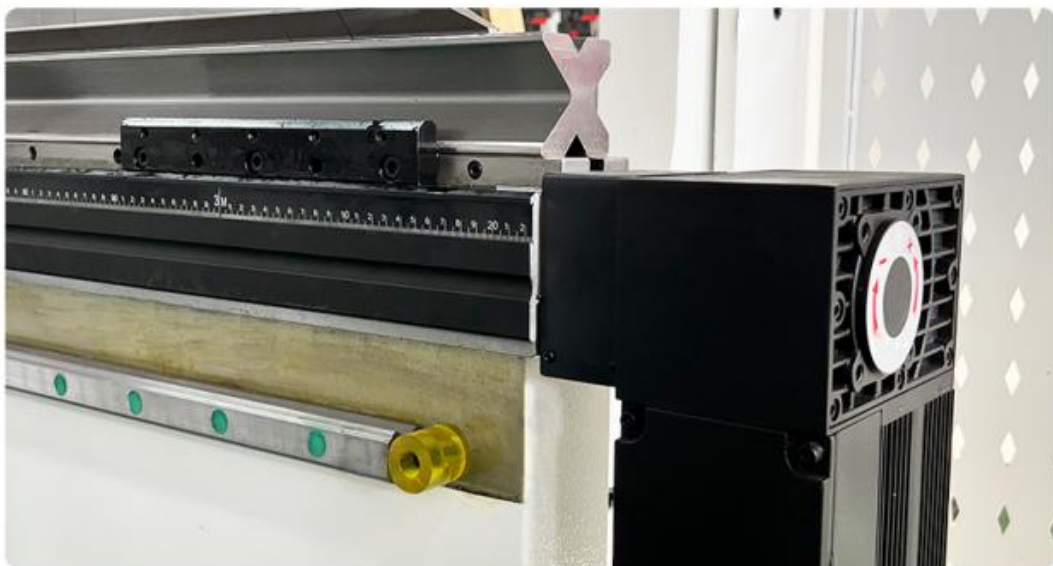
Auto Crowning Systems

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.



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



CNC Motorized Crowning

Optional Configuration

Servo Pump Control Technology

The main servo motor SVP can controls the power stroke, fast stroke, and bending force.

It can significantly reduce idle overflow and noise of actuator, suppress oil temperature rise, and ensure continuously stable operation.

Modular structure makes installation more flexible and consumes less hydraulic oil (save 40% energy in comparison to standard press brakes)



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.

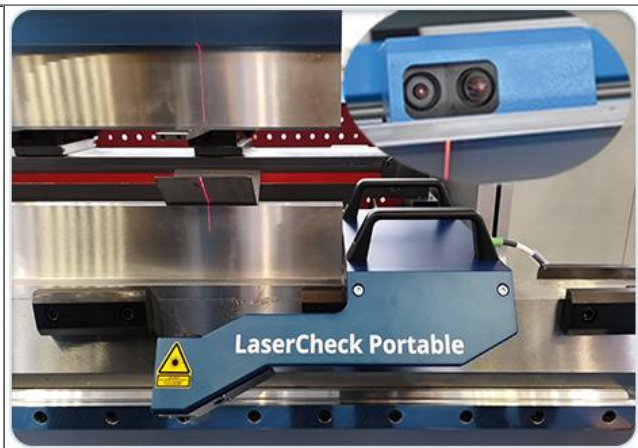
which lightens the operators work moving heavy pieces, improves bending efficiency and reduces operator risk.

Angle Measuring System

Automatic angle measuring system can measures workpieces and regulates the angle, regardless of material variations.

Reduce your materials consumption.

Shorten your machining times to get work started more quickly.



Bending Robotic Cell

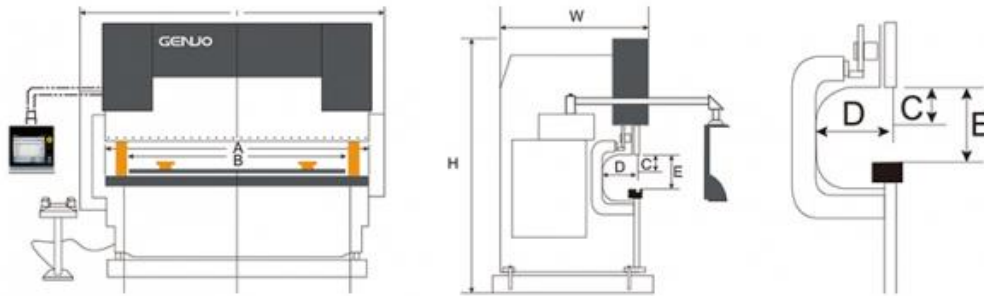
In industry 4.0. Thanks to Genuo's fully automated bending cell solution.

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

HSC Pro Technical Specification



		A	B	D	E	C			
Model	Nominal Pressure	Length of Table	Distance Between Columns	Throat Depth	Open Height	Ram Strokes	Motor Power	Approx Weight	Overall Dimension
	(KN)	(mm)	(mm)	(mm)	(mm)	(mm)	(kw)	(kg)	(L x W x H)(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