



Hydraulic Economic Synchronize CNC Press Brake 220V 380V 415V 440V

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2019.206.C3862
- Model Number: ESC-40T/63T/80T/100T/125T/160T/200T/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 Cnc Bending Machine
- Application: Stainless Steel Metal Sheet Plate Bending
- Controller: Genuo Independent Research And Development
- CNC Control System: Genuo ETC-16 CNC Control
- Voltage: 220V/380V/415V/440V/customized
- Color: Customer Choose
- Main Motor: STJ Main Motor
- Electrical Components: Schneider Electrical
- Hydraulic System: Bosch Rexroth Germany
- Bending Material: Metal .Stainless Steel .Aluminum. And So On
- Oil Pump: Sunny Oil Pump
- Linear Guides: HIWIN,Taiwan
- Tools And Clamps: GENUO,China
- After-sales Service: Online Support Video Technical Support



for more products please visit us on genuocnc.com

CNC PRESS BRAKES

EXCELLENT ESC Series >



New Machine description

GENUO's Excellent ESC series is the latest generation of high-performance synchronized CNC Press Brake. Combining GENUO's independently developed controller, it maximizes value creation and reduces costs. User-friendly operating system and first-class design. Adhering to the philosophy of GENUO (Details Create Quality). With super quality and high precision, it also has a huge competitive advantage. More convenient to use, high cost performance!

Smooth and fast

Advanced servo proportional valve, through the grating ruler real-time feedback, to ensure high bending accuracy and stability.

High rigid frame

The use of integral machining, tempering ultra-high strength machine frame to provide greater application space in bending length.

Well-known brand accessories

Machine accessories are made of well-known foreign brands, improve the stability of the machine, long service life.

Useful additional features

For example, fast Clamps and different types of Punch and Die options, combined with a precision back gauge system, can complete the bending of workpieces of different shapes.

Multifunctional control system

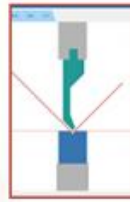
Pressure can be calculated automatically based on the length and thickness of the workpiece, and 2D image editing and presentation options are available.

Flexible bending combination

Large travel and 2-axis, 4-axis high precision back gauge system, can achieve more flexible bending size and Angle.



CNC CONTROL SYSTEM



ETC-16T is a new generation of performance bending control system of GENUO dedicated to synchronous press brakes.

The system has rich interfaces, which can be easily connected to the automatic production line as a bending unit.

It can cooperate with industrial robots in interactive operation, to the greatest extent free from manual intervention, improve the accuracy and efficiency of the equipment.

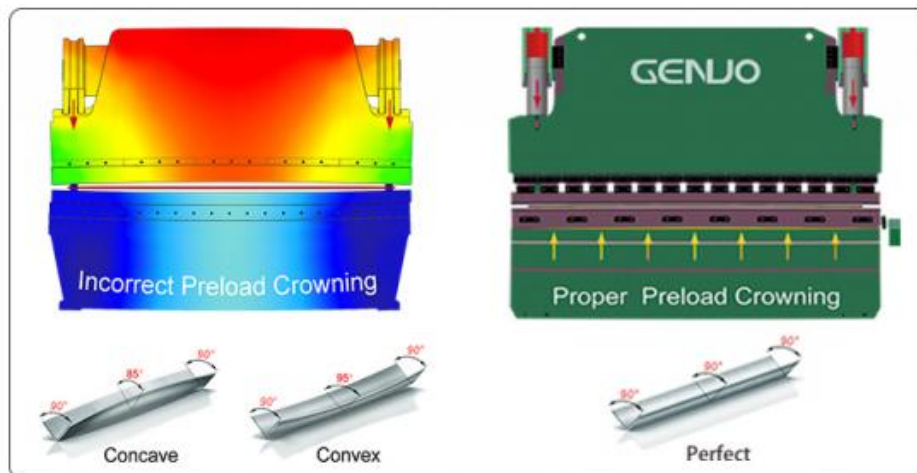
◆ 15.6" LED real color LCD screen with friendly man-machine interface, menu operation is easy to learn and easy to use.

◆ The Linux operating system is stable and reliable, High sensitivity resistive touch screen, support glove operation.

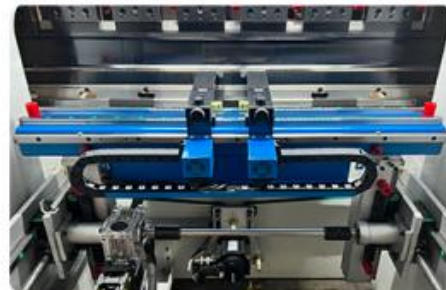
◆ Intelligent algorithm and Flexible programming, Automatically calculate the bending process, three modes for you to choose from.



BACKGAUGE And CROWNING SYSTEM



2 Axis Back Gauge (X,R)



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

Auto Crowning System :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.

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.



MAIN STRUCTURE CONFIGURATION

Hydraulic System

Germany

Rexroth
Bosch Group



- Proportional control "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

Italy



- The deformation is measured accurately
- Compensated by feedback method
- The accuracy can be achieved μM level

Electric Component

France

Schneider
Electric



- Strong and durable, 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.

Gasket Sealing Ring

Japan

NOK



- It has good sealing performance, pressure resistance and wear resistance
- It is elastic enough not to deform due to temperature changes
- Comply with international safety standards and industrial specifications



OPTIONAL CONFIGURATION



LASER Safety Guards	CNC Sheet Follower	Angle Measuring System
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.	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.	Automatic angle measuring system can measure workpieces and regulates the angle, regardless of material variations. Reduce your materials consumption, shorten your machining times to get work started more quickly.

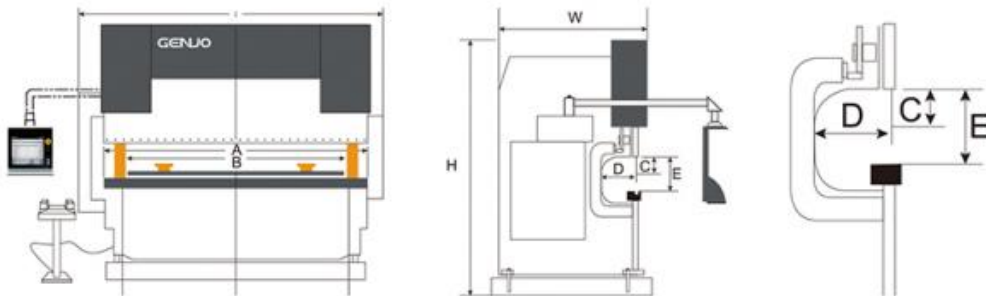


PRODUCT BASIC CONFIGURATION

Standard Equipment	Optional Equipment
▲ GENUO ETC-16T 4 Axis CNC Control	△ ETC-16T 5 Axis/7 Axis CNC Control
▲ Integral welded rigid high tensile steel frame	△ DSP or SDKELI Lasersafe protection guard
▲ High precision Y1,Y2 axis synchronized closed-loop feedback	△ Energy saving & low noise main servo SVP control
▲ Accurate X axis back gauge system	△ 2 Axis(X,R) or 4-Axis (X,R,Z1,Z2) back gauge
▲ CNC Motorized crowning system	△ The CNC Bending Sheet Follower
▲ 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



ESC 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
ESC	(KN)	(mm)	(mm)	(mm)	(mm)	(mm)	(kw)	(kg)	(L x W x H)(mm)
40T/1600	400	1600	1250	300	420	150	4	2800	1950*1750*2350
63T/2500	630	2500	1960	320	420	150	5.5	4200	2850*1750*2350
80T/2500	800	2500	1960	350	480	200	7.5	4500	2850*1850*2450
100T/2500	1000	2500	2000	400	480	200	7.5	5300	2850*1850*2500
100T/3200	1000	3200	2600	400	480	200	7.5	6500	3850*1850*2600
125T/2500	1250	2500	2000	400	480	200	7.5	5500	3000*1850*2500
125T/3200	1250	3200	2600	400	480	200	11	7000	3850*1850*2600
125T/4000	1250	4000	3200	400	480	200	11	8500	4610*1850*2600
160T/3200	1600	3200	2600	400	480	200	11	8800	3900*1900*2600
160T/4000	1600	4000	3200	400	480	200	11	10000	4650*1900*2700
200T/3200	2000	3200	2600	400	480	200	15	11600	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	16000	5800*1900*2900

200T/6000	2000	6000	4900	400	480	200	15	18000	6800*1900*3000
250T/3200	2500	3200	2600	400	520	250	18.5	12500	3900*2100*2800
250T/4000	2500	4000	3200	400	520	250	18.5	15000	4700*2100*2900
250T/5000	2500	5000	4000	400	520	250	18.5	17000	5800*2100*3000
250T/6000	2500	6000	4900	500	520	250	18.5	20000	6500*2100*3100
320T/3200	3200	3200	2600	400	520	250	22	14500	4000*2100*3000
320T/4000	3200	4000	3200	400	520	250	22	17500	4800*2200*3200
320T/5000	3200	5000	4000	500	520	250	22	20000	5800*2200*3400
320T/6000	3200	6000	4900	500	520	250	22	23500	6500*2200*3600
400T/4000	4000	4000	3200	500	600	320	30	22000	4800*2300*3500
400T/6000	4000	6000	4900	500	600	320	30	31000	6500*2300*3800

MORE DISPLAY



Hydraulic Torsion Bar

Smart HTC Series



Hydraulic Synchronize

Genius HSC Series



Electric-Servo Hybrid

ECO-Green EHC Series



All-Electric Servo CNC

Pure ES Series



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