



## ES Series Pure CNC Electric Servo Press Brake High Precision

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

- Product Name: Genuo Pure ES Series Electric Servo CNC Press Brake
- Attributes: Integrally Machined And Tempered Ultra-high Strength Bed, AC Servomotor And Ball Screw Drive Mechanism, Well-known Foreign Brand Accessories, Genuo Accessories Like Fast Jig And Quick Change Of Top Punch, Genuo's Self-developed CNC Controller, Saves More Than
- Highlight: **ES electric servo press brake,**  
**Pure electric servo press brake,**  
**High Precision electric sheet metal brake**

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# ELECTRIC PRESS BRAKE

## Pure ES Electric Servo Series



- PURE ELECTRIC**  
 Fully automatic electric servo, Green energy protects the environment
- CNC CONTROLLER**  
 Genuo's self-developed CNC controller greatly reduces the economic cost
- CUSTOM MACHINE**  
 Foreign Well-Known brand machine accessories are optional
- PRODUCT QUALITY**  
 High precision machine with professional quality control and equipment testing, stable and reliable

Standard Equipment	Optional Equipment
◆ GENUO ETC-16T CNC control.	◇ Delem DA-66T, DA-69T CNC control.
◆ Mono block welded frame.	◇ DSP or Keli Lasersafe protection guard.
◆ High precision Y1, Y2, X, R axis.	◇ Multi-function 6 axis back gauge. (Above 40T)
◆ German IF heavy-duty ball screw.	◇ Automatic lubrication system.
◆ HIWIN linear guide rail.	◇ WILA type top and bottom tool clamping system.
◆ GIVI linear encoder.	◇ Lasercheck angle detection.
◆ Schneider electrical components.	◇ Bending tools management cabinet.
◆ European-style punch and 4V/2V/1V Dies.	◇ 20~100Tons and 1000~3200mm Length options.

### CNC Controller

#### ◎ GENUO ETC-16T CNC Control

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.

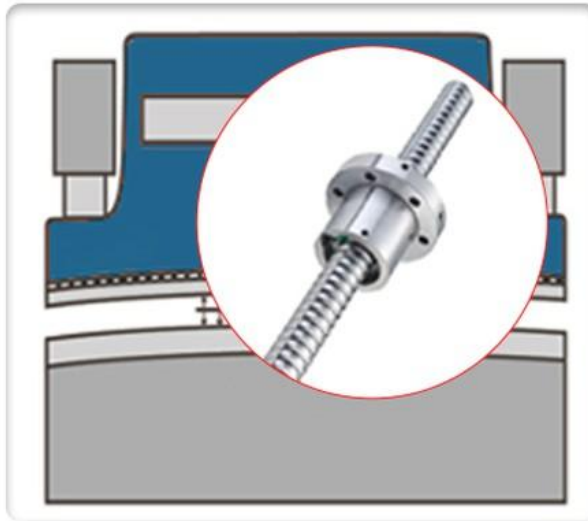
It can cooperate with industrial robots in interactive operation, to the greatest extent free from manual intervention, improve the accuracy and efficiency of the equipment.



## Structure Details

### ▼ Heavy-Duty Ball Screw

Genuo Pure ES Series Press brake is driven by the well-known brand servo main motor and the German IF heavy duty ball screw transmission mechanism. It ensures the efficiency of the machine, maximizes productivity and achieves high-precision bending operations.



### ▼ Electrical Components

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.



### ▼ Servo Driver & Main Motor

Compared with other motors, servo motors have significant advantages, such as energy saving, environmental protection and pollution-free, fast slider speed, high production efficiency and low maintenance costs. The servo motor driven bending machine does not use the hydraulic system to transfer pressure, avoiding the negative impact on accuracy and speed, higher bending accuracy, quiet operation of the drive mode, saving costs. It is also more suitable for the processing environment of ambient temperature and high load for a long time.



#### ▼ Linear Guide Rail (back gauge)

The linear guide rail guarantees the precision level of the rear stopper. Back gauge 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. GENUO technicians are happy to assist you with any questions on your project requirements.



#### 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. The Pure ES Series Press Brake comes standard with Genuo accessories such as quick clamps and quick change top punches to save time.



Fast Clamp - amada style quick clamps



Bending Tool - high precision punch and die

#### Machine advantage



#### Environmental protection

Eco-friendly, Clean, pollution-free, and energy efficient, no need to use and replace hydraulic oil, to avoid waste liquid pressure oil pollution to the environment.



#### Stabilize Machine

Reduced maintenance, no need for regular oil changes, servo motors ensure stable control and uncompromised bending accuracy, and reduce machining time.



#### Energy Conservation

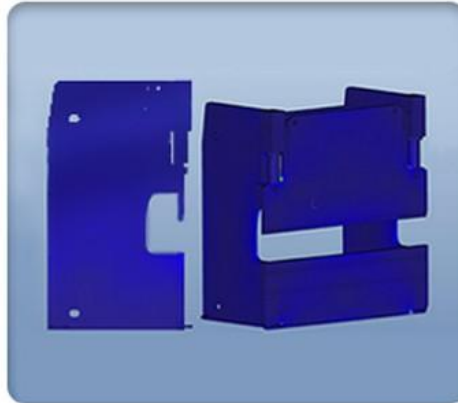
Automatic output of appropriate power, less power consumption, can save 30%-50% energy, reduce costs and improve production efficiency.



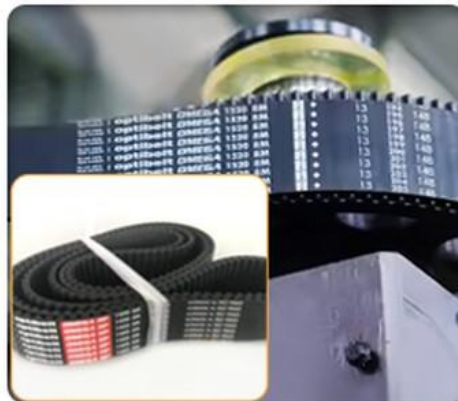
#### Efficiency & Universal

Electric servo press brakes are highly versatile, suitable for precision manufacturing, a variety of applications, designed for bending metal materials.

### PARTS Systems



### High Strength Fuselage



### Timing Belt (OPTIBELT)



### Bearing (JAPAN NSK)

### 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.



#### Delem Controller Optional

New generation of DA-Touch controls offers a higher level of efficiency in programming, operation and control. DA-66T offers 2D programming, including automatic bending sequence calculations and collision detection, 3D visualization in simulation and production. DA-58T is an advanced complete 2D graphic control solution for synchronous press brake servo and inverter control. DA-53AT features industrial-grade multi-touch technology, high-resolution color TFT, industrial-grade multi-touch technology and access to a proven Delem user interface.

#### Technical Specification

Pure ES Series Press Brake					
Machine Parameter	ES-20T1000	ES-30T1250	ES-40T1600	ES-60T2500	ES-100T3200
Pressing Force	200KN	200KN	400KN	600KN	1000KN
Max.bending Length	1000mm	1250mm	1600mm	2500mm	3200mm
Distance Between Frames	900mm	1100mm	1400mm	2300mm	2600mm
Max Opening Height	420mm	470mm	470mm	470mm	530mm
Ram Stroke	120mm	150mm	150mm	150mm	200mm
Throat Depth	250mm	250mm	300mm	350mm	400mm
Approach Speed	250mm/s	300mm/s	250mm/s	220mm/s	180mm/s
Working Speed	0.5-30mm/s	0.5-30mm/s	0.5-20mm/s	0.5-20mm/s	0.5-20mm/s
Return Speed	250mm/s	300mm/s	250mm/s	220mm/s	180mm/s
X-axis Back Gauge Stroke	300mm	500mm	500mm	500mm	500mm
R-axis Back Gauge Stroke	100mm	100mm	100mm	150mm	150mm
Y1, Y2 axis accuracy	±0.01mm				
X and R axis accuracy	±0.01mm				
CNC Control Axis	Y1,Y2, X, R	Y1,Y2, X, R	Y1,Y2, X, R, Z1, Z2	Y1,Y2, X, R, Z1, Z2,V	Y1,Y2, X, R, Z1, Z2,V
Main servo motor	11KW	13KW	15KW	30KW	30KW
CNC System	ETC-16T				
Length x Width x Height(mm)	1200x800x2000	1500x900x2100	2000x1200x2300	2900x1800x2400	4000x1900x2600
Weight	2000kg	2600kg	3800kg	5500kg	12000kg

### Other Type of Press Brake



Electro-Hydraulic



Hydraulic Synchronize



Classic Torsion-Bar



Mini Electrical

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