



## Electro Hydraulic Servo CNC Sheet Bending Machines Machine Tool Equipment With High Precision

### Our Product Introduction

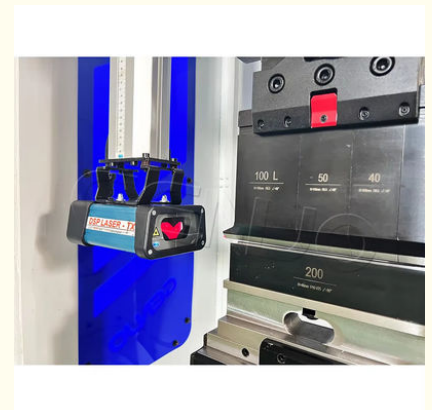
#### Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2019.206.C3862
- Model Number: ES-18T/20T/30T/40T/60T/100T
- 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: Pure Electric-Servo CNC Press Brake
- Application: Stainless Steel Sheet Metal Plate Bending
- Machine Controller: Genuo Self-developed ETC-16T
- Machine Voltage: 220V/380V/415V/440V/customized
- Optional Color: Customer Choose
- Machine Motor: 11KW/13KW/15KW/30KW
- Applicable Material: Metal .Stainless Steel Sheet .Aluminum
- About After-sales Service: Online Support Video Technical Support
- Core Selling Point: Eco-friendly Energy-saving
- Additional Service: Presented Two Years Warranty
- Degree Of Automation: Fully Automatic
- Bendable Length: 1000mm /1250mm/1600mm/2500mm
- Highlight: **High Precision CNC Sheet Bending Machines,  
Servo CNC Sheet Bending Machines,  
High Precision CNC Sheet Bending Equipment**



## Pure Electric Servo Press Brake CNC 4Axis 6Axis Sheet Metal Bending Machine

### &#x2014; Product Introduction:

Genuo Pure ES series electric servo CNC press brake with integral machining and tempering ultra-high strength bed, driven by AC servo motor and ball screw drive mechanism, it maximizes productivity. The machine all uses well-known foreign brand accessories, the whole series is standard with Genuo accessories, such as fast jig and quick change of top punch, to save time. 100% all-electric stamping brakes are highly versatile and designed for bending metal materials for a variety of applications.

In addition, Genuo's self-developed CNC controller maximizes value creation and reduces costs, and the user-friendly interface operation makes the Pure ES series extremely cost-effective. High efficiency, low noise, environmental protection. The pure electric servo press brake automatically outputs the appropriate power according to the working conditions, without the use and replacement of hydraulic oil, avoiding the pollution of the waste liquid pressure oil to the environment.

Compared with electro-hydraulic press brakes, it can save more than 60% of energy, reduce operating costs, and increase efficiency by more than 40%, thus becoming a more stable and reliable choice.

### &#x2014; Product Features:

1. Ultra-high strength bed with integral machining and tempering
2. The whole machine adopts foreign famous brand accessories
3. Genuo self-developed CNC controller, cost-effective;
4. 100% all-electric stamped brakes are highly versatile;
5. High efficiency, low noise, environmental protection;
6. Automatically output corresponding power to avoid environmental pollution;
7. It can save more than 60% of energy;
8. Reduce operating costs and improve efficiency.

### &#x2014; Machine Application:

Pure Electric Servo CNC Press Brake - It is a sheet metal pure electric press designed for sheet metal processing and can be used in both commercial options. Widely used in household farms, restaurants, automobiles, sheet metal manufacturing, light industry, ship props, metal parts, rail vehicles and other industries of sheet metal bending processing. Compared with electro-hydraulic press brakes, it can save more than 60% of energy, reduce operating costs, and increase efficiency by more than 40%, thus becoming a more stable and reliable choice.

### &#x2014; Product Configuration:

Standard Equipment:	Feature:
< 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.

### &#x2014; Machine :

## Pure ES Electric Servo Series Press Brake



### Machine 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.

#### 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.



# Configuration & Selection

## 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.

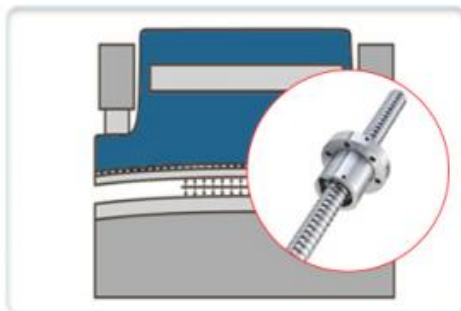


Fast Clamp - amada style quick clamps



Bending Tool - high precision punch and die

## 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



precision bending operations.



#### 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.

and on parts of the machine played a good protection.



#### Linear Guide Rail (back gauge)

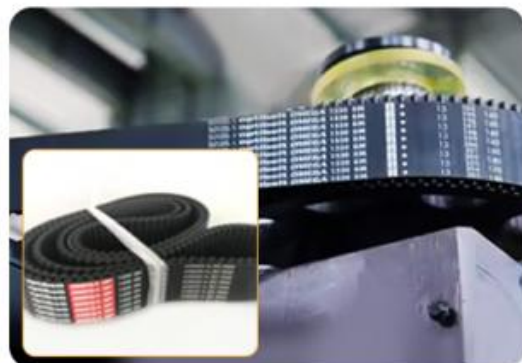
The linear guide rail guarantees the precision level of the rear stopper.

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.

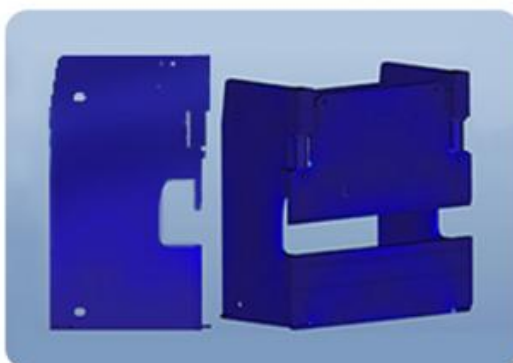
### Optional Configuration



#### LASER Safety Guards



#### Timing Belt (OPTIBELT)



#### High Strength Fuselage



#### Bearing (JAPAN NSK)

### 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



#### Stabilize Machine

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

the environment.

### Energy Conservation

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



reduce machining time.



### Efficiency & Universal

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

## - Technical Specifications -

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



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