



Eco Green Series Hybrid Servo System Cnc Press Brake Metal Bending Machine For Sheet

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2019.206.C3862
- Model Number: EHC-63T/110T/130T/170T/220T/300T
- 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

- Name: Eco-green Series Hybrid Servo Cnc Bending Machine
- Product Application: Stainless Steel Metal Sheet Plate Bending
- CNC Controller: DELEM/CYBELEC
- Control System: DA-53T/CybTouch 12
- Machine Voltage: 220V/380V/415V/customized
- Machine Color: Customer Choose
- Machine Motor: SIEMENS
- Electrical Components: Schneider
- Hybrid Servo System: Bosch Rexroth Germany
- Machine Hydraulic System: HAWE EPrAX Control
- Basic Configuration: DSP Lasersafe Protection Guard
- Applicable Material: Metal .Stainless Steel .Aluminum. And So On
- After-sales Service: Online Support Video Technical Support
- Degree Of Automation: Fully Automatic



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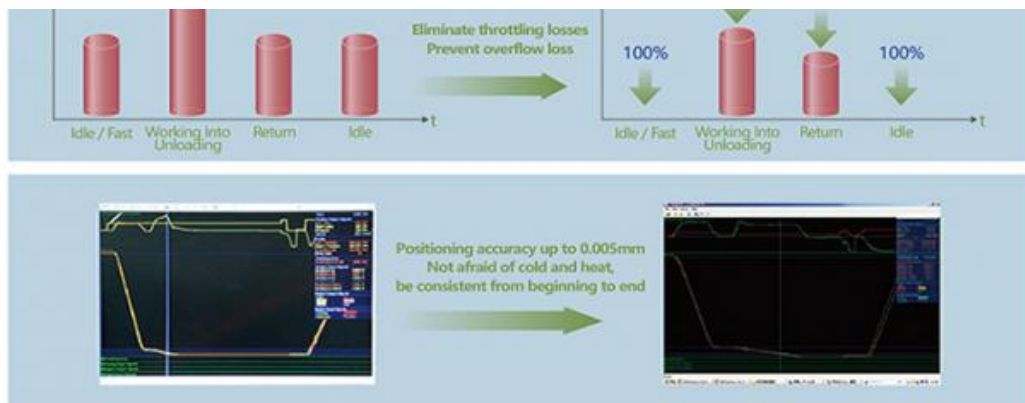
ECO-GREEN EHC Series Press Brake



GENJO Eco-Green EHC series CNC press brake breaks the traditional bending machine technology and adopts the most advanced double pump control technology. The highly integrated hydraulic system greatly reduces the control of hydraulic pipeline and valve group, with low maintenance, no leakage and longer service life. The powerful Bi-Direction servo motor has no pressure loss through the proportional valve to achieve the highest bending efficiency. The pump control system forms a closed-loop control with the CNC system through the real-time feedback of the grating ruler, and the precision can reach the micron level. What's more exciting is that it saves 65% energy compared with the standard pressure brake. It also reduced oil consumption by 90%. Thanks to its quiet operation and low energy consumption, the Eco-Green CNC press brake is an extremely environmentally friendly Hybrid CNC bending machine. With abundant auxiliary bending and safety devices, it will be the best choice for high-precision and complex sheet metal production. 40T~300T Optional.

Dual Pump Control Mixing Technology

	Synchronize Hydraulic System		Twin Electro-Hydraulic Hybrid System
Press Brake 170 Tons Press Brake Working Cycle 8h			
	The Standard Proposal: 2 x sync block, 1 x power unit, Stepping AC motor		Optimization program: 2 ePrAX pump control module system Double Servo Motors
Duty Cycle Power	41.7kw.h	-65%	19.8kw.h
Oil Tank Capacity	280L	-80%	2x30L
Noise Level Peak / Average / Idle	87.6/74.6/67.0dB (A)	-25 dB (A)	62.8/51.5/10.0dB (A)
	Relative Proportional Valve System		
	20%		20%



In motor power 15kw, for example, working eight hours a day can save energy 56 kWh, 30 days of energy-saving 1680 kWh per month, 365 days saving 20,160 kWh per year.

CNC Control _



CYBELEC CybTouch 12

High-contrast vivid colors touch-screen TouchProfile 2D graphic part creation function. Simple pages, clear display. 4+1 axes control (Y1-Y2-X-R-Crowning) CT 12 features an intuitive touch screen user interface, offering a high integration of functions. CT 12 is as powerful as it is easy to use.



Delem DA-58T

2D graphical touch screen programming with 15" high resolution colour TFT Bend sequence calculation and Crowning and Servo frequency control. DA-58T provides CNC programming with 2D graphical product design tool. Minimize machine adjustments and test bending.



ESA VIS-640

Maximum performance and maximum compactness in the splendor of a 15" LCD HD Touch screen Up to 6+1 axes. Absolute performance in a full applications Large ultrasharp Tft LCD 15" color screen for a better user experience, thanks to the complete and intuitive HMI.

Machine Main System _

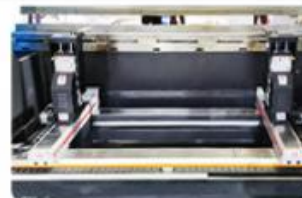
Backgauge System: Establishing the right back gauge for your projects will allow for increased part production and precision. From intricate parts which typically require more axes to large quantities that require more time and therefore increased cost, the correct back gauge for each job is essential 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)

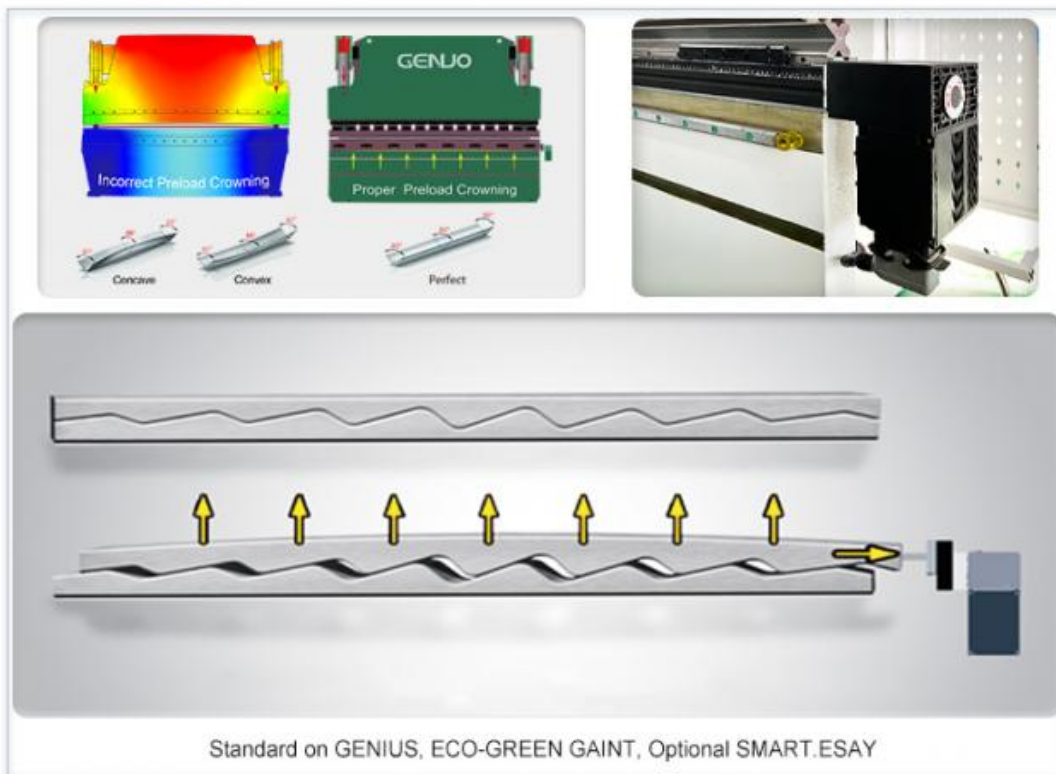


4 Axis Back Gauge (X,R,Z1,Z2)



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

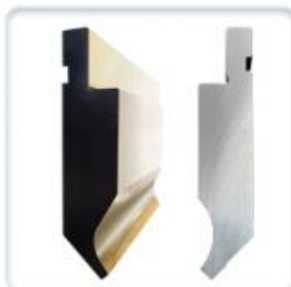
Auto Crowning Systems: To confirm a constant bend angle, manual or CNC crowning is essential which will offset potential deviations and allow for possible tooling wear to maintain parallel contacting surfaces. CNC crowning systems allow the press brake control to be pre-programmed with machine characteristics and deflection data. Adjust the calculate and setting accordingly for different characteristics of different materials.



Tooling and Clamps: 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.



Upgradeable GENUO One-Key Double-Sided Or Amada SGRIP Double-Sided Clamps



Promecam /EURO Style punch Standard on all series press brake. Optional other shapes.



Wila NEW STD. Style punch are optional. The clamp system needs to match this style.



AMERICAN /Heavy Style punch Standard on GAIN. Optional other shapes.

WORLD-CLASS HYDRAULIC SYSTEM: The GENUO's press brakes adopt world-class stable hydraulic system. To ensure the stable operation and lasting accuracy of the machine. At the same time, it also has its own hydraulic proportional synchroniza

-tion technology, which can be develop and designed for different machines.



ECO-GREEN series press brake adopt patented ePrAX control electro-hydraulic Hybrid system. The Servo hybrid is tailored to the special requirements of drives for CNC press brakes. All required components can be assembled using a modular design, which avoids the external pipeline, making it clean and leakage free to operate, because all the components are compactly integrated on the cylinder. Thanks to Servo Hybrid ECO system, we can precisely control the movement of the ram using a minimum amount of oil and energy.

Optional Configuration _



CNC Sheet Follower

This CNC bending support suitable for all kinds of large sheet metal, especially thin metal sheet. Keep the synchronization with the plate in the bending process, reduce the workload and improve the bending efficiency.



LASER Safety Guards

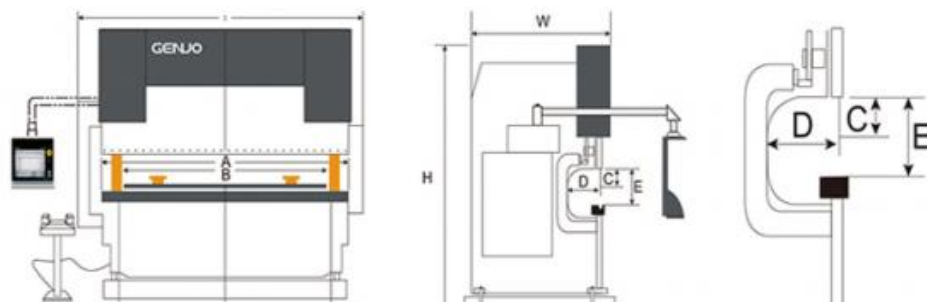
DSP LASER protects the press brake operator from the danger of crushing that can take place accidentally between the moving part of the machine and the fixed one. It assures to carry out the machine working cycle penalizing its execution time in the least.



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.

EHC Technical Specification _



Model	Nominal Pressure	A Length of Table	B Distance Between Columns	D Throat Death	E Open Height	C 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

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