



## 2500mm 3200mm Hydraulic Swing Beam Shear 4000mm 5000mm 6000mm

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2019.206.C3862
- Model Number: HSB-4m/6m/8m/10m/12m/16m/20m
- 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 Swing Beam Shear
- Application: Stainless Steel Metal Sheet Plate Cutting
- Controller: ESTUN/DELEM/CYBELEC
- CNC Control System: E21S/E200PS/ES10/DAC-360T/CybTouch 8
- Voltage: 220V/380V/415V/440V/customized
- Color: Customer Choose
- Main Motor: SIEMENS / STJ Main Motor
- Electrical Components: Schneider Electrical
- Hydraulic System: BOSCH Rexroth / XinLi
- Oil Pump: Sunny / FIRST
- Blades: Wear Resistant 9CrSi Alloy Steel Blades
- After-sales Service Provided: Online Support Video Technical Support
- Cutting Angle: 1°30'/2°/2°30'
- Cutting Thickness: 4-20mm



## Swing Beam Shear / HSB Series

## SHEARING MACHINE



## Powerful Shear Force

- Remarkable Performance
- High Efficiently of Cutting
- Good Quality and Durable



GENUO has rich production experience and technology in shearing cutting machines, we began to produce the simplest hydraulic metal sheet cutter many years ago, and now we provide hydraulic metal cutting machines manufactured in our world-class manufacturing facilities. Through continuous innovation and solution orientation, our existing shears around the world have made some suggested adjustments. Both swing beam type and guillotine type plate shears can bring you simple and efficient sheet metal cutting. In recent years, various cutting machines for metal sheet are popular. But we have not stopped the pace of innovation. The new generation of hybrid low energy consumption and noise CNC plate shears will be one of your indispensable choices.

## Standard Equipment

- ESTUN E21S NC control
- Shilin stepping motor frequency converter
- Back gauge with roll guide and ball screw
- SIEMENS main motor, Schneider electric

## Optional Equipment

- E200PS/ CybTouch 8/ DAC-360T CNC control
- Sheet support system for thin sheets
- Energy saving main servo motor pump system
- Moveable controller panel, Wireless foot pedal

■ Sunny pump,Rexroth hydraulic valve	□ Hydraulic oil cooling and heating system
■ EMB ferrule type pipe connector,NO.K sealing rings	□ Automatic blade gap adjustment device
■ Roller bearings on the front support table	□ Front angle gauge and side gauge
■ Sheet sliding system and front support arms	□ Light safety system for finger protection
■ Collapsible guardrail finger protection	□ 4~20mm thickness,1.6~6M length optional

## CNC Controller



E21S(ESTUN)	E200PS(ESTUN)
Backgauge control;Control ordinary motors or inverters; Intelligent positioning;Dual programmable digital output; Workpiece count; 40 program storage, Each program has 25 steps;Unilateral positioning; Yield function; One-key backup and restore of parameters; Metric system.	CAN bus control X axis servo; Shear control;Dual programmable digital output;40 program storage, each program has 25 steps;Unilateral positioning;Built-in cutting time, retreat delay; One-key backup and restore of parameters; Full-function online diagnosis, real-time alarm prompt Reserve a safe, supporting material interface;Color LCD HD display; Metric/English;Chinese-English.

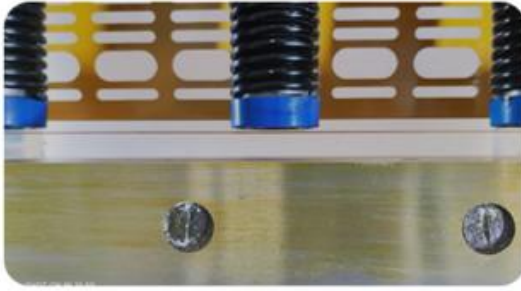


CybTouch 8 G(CYBELEC)	DAC-360T(Delem)
High-contrast touchscreen, with vivid colors.Simple pages, large keys, clear display with all the information the operator needs. Intuitive and user-friendly interface. Complete programming of parts in seconds.Quick set up of the machine with the EasyCut page. Contextual help and warning pop-up.	Panel based housing;Bright LCD screen;Back / front gauge control; Retract function; Cutting angle and gap control; Stroke length limitation; Manual movement of all axes; Force control;Sheet thickness measurement; Return to Sender function; Sheet support.

## General Instructions

Powerful frame & robust design for perfect cutting.Hardened and ground blades for long life and precise Proved and rigid design with swing beam top table Minimum deformation and optimum cutting quality with best cutting angle CE standards security.

The combination of economic and perfect cutting performance CNC controlled gap adjustment and cutting angle. Adopt friendly CNC touch screen control unit Provide flexible use for narrow or wide, thin or thick sheet metal cutting.Automatic swing up back gauge for more comfortable use.Sheet support arms Balls transfered table and T-slot front feedings arm helps pieces cutting.Table with balls and feeding plates



Hydraulic Holdowns	Shear Blades
Built-in spring structure, where the lower part with special material gasket to avoid leaving trace line on aluminum alloy or other sensitive material.	High Precision Ball Screw, Made using special alloy steel according to the customer's needs: material to be cut, holes & hardening, suitable to guarantee reliability & wear resistance. The machine can be equipped with 9CrSi, 6CrW2Si and SKD-11 all steel shear blade.

## Main Configuration



Backgauge Motor	Fast Blade Gap Adjustment Device
The backgauge stopper is equipped with high-quality drive motor to run at a higher speed and stably. Optional servo motor.	Simple and quick manual adjustment, the implementation of the blade gap adjustment.



Siemens Main Motor	EMB Bite Type Tube Fittings
The powerful Siemens motor provides stable shear force guarantee the machine service life, and low noise in work.	Using galvanized cold drawn pipe and EMB ferrule type pipe joint. Reduce the risk of oil leakage by 50% compared with most machines.



Rexroth Hydraulic Valve	Electrical System
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The BOSCH (Rexroth) integrated hydraulic system is compact. Adopts electro-hydraulic proportional pressure valve, and the whole process pressure can be programmed and controlled to ensure machine stable .

Our machine adopt Schneider electrical components. The high quality electric parts can make the machine performing well even the electricity is not stable and customers can easily get the replacement anywhere in the world.

## Characteristics



### Front Worktable

- Ball Transfer Table
- Hydraulic Hold downs
- Front Protection Frame

Worktable with ball to decrease the friction and the scratch of sheet plate when feeding .



### Stable Back Gauge

- Fast and high accuracy
- Reliable movement
- Adjustment from each point
- Resistance to crash
- Maintenance free

The unique and novel ball screw linear guide structure back-gauge ensures high positioning accuracy. Adjustable beam guiding rule and synchronous transmission structure, stable and reliable .

## Upgradeable Instructions



Vertical Adjustment and  
Front Stop Position Device



Angle Protractor  
Positioning Device



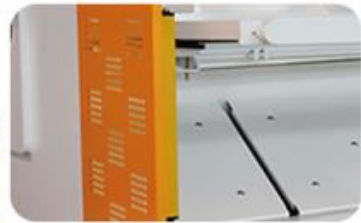
Pneumatic Sheet  
Support System



Servo Motor



Fast Blade Gap Adjustment



Light Barrier Protection

## SWING BEAM SHEAR

# Machine Features

Powerful And Fully Compatible



Front support rolling feeding

Double protection & safe shearing

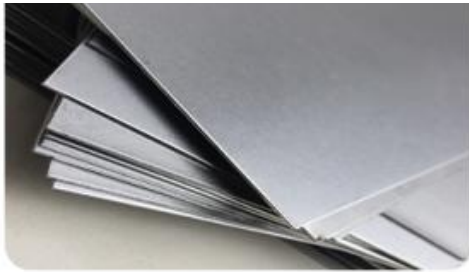


Up to 20 Feet Cut Length

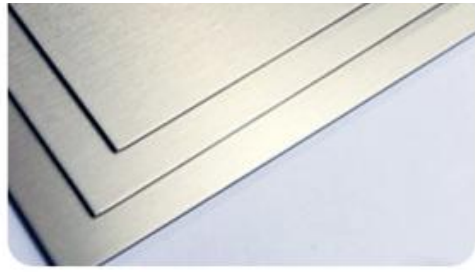
Up to 3/4" Mild Steel Cutting Capacity

## DIFFERENT MATERIALS

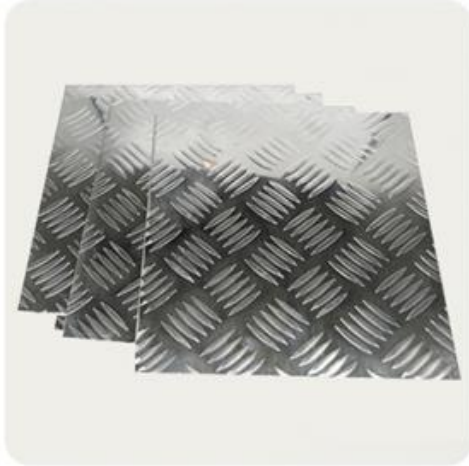




**MILD STEEL**  
SMOOTH AND NEAT



**STAINLESS STEEL**  
SMOOTH AND NEAT

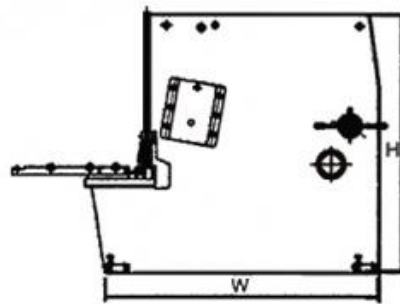
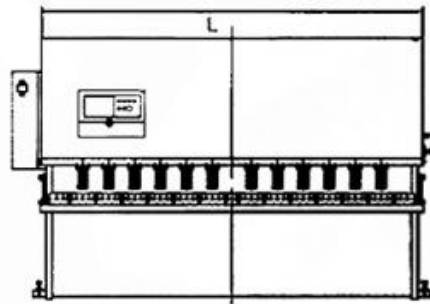


**ALUMINUM PLATE**  
SMOOTH AND NEAT



**SHEET COPPER**  
SMOOTH AND NEAT

## TECHICAL SPECIFICATION



Model	Shear Thickness	Max Cutting Length	Angle Range	Backgauge Stroke	Main Power	Approx Weight	Dimension L*W*H
Type	( Mm )	( Mm )	( ° )	( Mm )	( Kw )	( Kg )	( Mm )
HSB 4x2500	0.5-4	2500	1°30'	20 - 600	5.5	3500	3300*1610*1620
HSB 4x3200	0.5-4	3200	1°30'	20 - 600	5.5	4500	3840*1610*1620
HSB 4x4000	0.5-4	4000	1°30'	20 - 600	5.5	6500	4600*1700*1700
HSB 6x2500	0.5-6	2500	1°30'	20 - 600	7.5	5000	3400*1610*1620
HSB 6x3200	0.5-6	3200	1°30'	20 - 600	7.5	6000	3840*1610*1620
HSB 6x4000	0.5-6	4000	1°30'	20 - 600	7.5	8200	4620*1750*1700
HSB 6x6000	0.5-6	6000	1°30'	20 - 600	11	16500	6480*2100*2300
HSB 8x2500	0.5-8	2500	1°30'	20 - 600	7.5	6000	3400*1700*1700

HSB 8x3200	0.5-8	3200	1°30'	20 - 600	7.5	7200	3860*1700*1700
HSB 8x4000	0.5-8	4000	2°	20 - 600	7.5	8800	5200*1700*1950
HSB 8x6000	0.5-8	6000	2°	20 - 600	11	18000	6480*2100*2350
HSB 10x2500	0.5-10	2500	2°	20 - 600	11	7300	3400*1700*1700
HSB 10x3200	0.5-10	3200	2°	20 - 600	11	8000	3860*1700*1700
HSB 10x4000	0.5-10	4000	2°	20 - 600	11	12050	4650*2100*2000
HSB 10x6000	0.5-10	6000	2°	20 - 1000	15	24000	6500*2100*2300
HSB 12x2500	0.5-12	2500	2°	20 - 600	18.5	9000	3500*2150*2000
HSB 12x3200	0.5-12	3200	2°	20 - 600	18.5	10800	3880*2150*2000
HSB 12x4000	0.5-12	4000	2°	20 - 1000	18.5	13000	4680*2150*2000
HSB 12x6000	0.5-12	6000	2°	20 - 1000	18.5	29500	6900*2600*2700
HSB 16x2500	0.5-16	2500	2°30'	20 - 600	22	11000	3500*2150*2000
HSB 16x3200	0.5-16	3200	2°30'	20 - 600	22	13000	3880*2150*2000
HSB 16x4000	0.5-16	4000	2°30'	20 - 1000	22	16300	4650*2150*2000
HSB 16x6000	0.5-16	6000	2°30'	20 - 1000	22	36000	6900*2700*2700
HSB 20x2500	0.5-20	2500	2°30'	20 - 1000	22	15800	3600*2300*2500
HSB 20x3200	0.5-20	3200	2°30'	20 - 1000	22	18500	4150*2300*2700
HSB 20x4000	0.5-20	4000	2°30'	20 - 1000	30	21500	4850*2600*2700



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