



Automatic Plate Sheet Bending Steel 3 Roller Plate Rolling Machine

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2020.206.C6366
- Model Number: HU3R-6m/8m/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: Automatic Plate Rolling Machine
- Machine Application: Plate Metal Rolling
- Machine CNC Control System: SIEMENS /Delta PL
- Product Voltage: 220V/380V/440V/customized
- Color Selection: Customization
- Main Motor Brand: SIEMENS Motor
- Oil Pump: Sunny Pump
- Machine Roller: 42CrMo / C45 Solid Forging
- Machine Reducer Brand: Peika Planetary
- Degree Of Automation: Automatic
- Highlight: 20m 3 roller plate rolling machine,
220V 3 roller plate rolling machine,
440V 3 roller rolling machine



2024 China Machine Automatic Plate Sheet Bending Steel 3 Roller Hydraulic Rolling Machine**→ Product Introduction:**

GENUO 3 Roller Plate Rolling Machine can pre bend the plate edge like a plate bending machine and can rotate the pressing roller to feed the plate;The movement of all three rollers shall be positioned according to the needs of rolling, pre bending and rounding (the upper pressing roller bends the plate by hydraulic lifting indenter like a bending machine; the two side pressing rollers move horizontally independently and change the geometric position according to the needs of forming);It can achieve high rolling accuracy and roundness;The sheet is fed horizontally, and the feeding end is always horizontal;The three pressing rollers can be tilted according to the geometric angle of the cone to realize the cone rolling.

→ Advantages of Genuo :

1. The production process meets the highest standards to ensure exceptional quality and perfect detail. During the delivery period, we can customize high-performance solutions and timely after-sales service for you.
2. 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.
3. We are an ODM and OEM company that can produce machines according to the specifications, designs, and customer requirements of world-renowned brands.
4. Whatsmore, We have professional technology, advanced processing equipment, scientific quality management, continuously improving production capacity and creativity, which lay a solid foundation for the sustainable development of our company.

→ Product Configuration:

Standard Equipment	Optional Equipment
▲ Delta PLC NC controller,screen display	△ SIEMENS CNC control system
▲ 42CrMo solid forging roller	△ Central and side supports
▲ Schneider & Omron electrical components	△ Automatic loading and unloading systems
▲ YUKEN hydraulic valves, NO.K seal ring	△ Motorised feeding and squaring tables
▲ NSK double-row spherical roller bearing	△ Side motorised rolls
▲ Tamagawa precision rotary encoder	△ Provision for hot rolling
▲ SIEMENS main motor,Sunny pump	△ Integrated welding system
▲ Peika planetary reducer	△ Automatic lubrication system
▲ Mobile wheel mounted control console	△ Automatic ejector
▲ Centralised manual lubrication	△ Customized colors

→ Machine Detail :

ROLLing Machine

Hydraulic UNIVERSAL HU3R Series



Configuration Details__



Electrical Components

Germany SIEMENS electrical components 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.



Working Roller

Working rollers are made of high-strength high-quality steel 42CrMo material, after forging, roughing, quenching and tempering, HB240 ~ 300, finishing after the intermediate frequency quenching HRC47-58, according to JB/ZG4289-86 roll steel standards. Strictly in roller manufacturing, to ensure its comprehensive mechanical properties.

Machine Main System__

CNC Control System: Thanks to the CNC control and PLC of SIEMENS. Excellent HMI operation interface. Make our bending machine run at will. SIEMENS Smart Line provides a friendly interface for users to monitor the operation of machines in the control system. GENUO Rolling machine equipped with special independent operation panel and automatic rolling program so that can realize one-button operation.



Hydraulic System: Each oil circuit is routed with two relief valve to control pressure. the maximum set pressure for each oil circuit is 25 MPa. which is mainly to control the main cylinder pressure. and the other relief valve is set to 16 MPa, mainly to control the overturning cylinder and balancing cylinder pressure. In order to ensure the synchronization accuracy of the main oil cylinders at both ends of each moving working roll, high-precision displacement sensors are installed on the left and right racks and the tilting frames. Through the pressure sensors, the microcomputer control system detects and adjusts the movements of the main oil cylinder pistons

to achieve the precision of the both working roller ends.



Main Structure__

The machine support roll is installed at the lower part of the lower roll, so that the sheet and thick plate material form a perfect cylinder, with a conical bending device, easy to conical bending, multi-function bending process such as high-precision pre-bending edge, simple digital control, special bending.



Hydraulic element selects the import high quality products, guarantee the stability of the hydraulic system.



The transmission part consists with the main motor, gearbox motor and other accessories.



Release device : Hydraulic drop-end for easy removal of finished ferrule.



The top roller is designed as drum shape , Bend a metal material into a perfect cylinder.

Quality Assurance__

five
elements

- **Material:**High quality / Corrosion resistance
- **Durable:**Long used life / Premium accessories
- **Precision:**Machining/ High precision rolling
- **Work:**Safe and efficient / Easy to operate
- **After Sale:**Exclusive service /Quality assurance

Function Application



Technical Specification__

Model	Max. thickness of plate (mm)	Max. width of plate (mm)	Max. thickness of pre-bend (mm)	Plate yield limit (MPa)	Upper roller diameter (mm)	Lower roller diameter (mm)	Motor power (kW)	Dimension (L×W×H)(mm)
HU3R-6X2000	6	2000	4	245	180	180	5.5	4010x1410x1530
HU3R-6X2500	6	2500	4	245	190	190	7.5	4510x1410x1530
HU3R-8X2000	8	2000	6	245	190	190	7.5	4010x1410x1530
HU3R-8X2500	8	2500	6	245	240	220	11	4700x1620x1810
HU3R-8X3200	8	3200	6	245	260	250	15	5500x1620x1810
HU3R-12X2000	12	2000	8	245	240	220	11	4250x1620x1810
HU3R-12X2500	12	2500	8	245	260	230	15	5200x1700x1500
HU3R-12X3200	12	3200	8	245	280	260	22	5700x1700x1500
HU3R-16X2500	16	2500	12	245	280	260	22	5200x1700x1500
HU3R-16X3200	16	3200	12	245	360	340	30	6500x1800x2100
HU3R-20X2000	20	2000	16	245	280	270	22	4700x1700x1500
HU3R-20X2500	20	2500	16	245	340	310	30	5800x1800x2100



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