



## Hydraulic Universal 3 Roll Plate Rolling Machine 2000mm 2500mm 3000mm 3200mm

Our Product Introduction

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### 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: Hydraulic Plate Rolling Machine
- Application: Stainless Steel Metal Sheet Plate Rolling
- CNC Control System: SIEMENS CNC/Delta PLC NC
- Voltage: 220V/380V/415V/440V/customized
- Color: Customer Choose
- Main Motor: SIEMENS Main Motor
- Electrical Components: Schneider & Omron & Delixi
- Hydraulic System: BOSCH Rexroth / YUKEN Hydraulic Valves
- Oil Pump: Sunny
- Roller: 42CrMo / C45 Solid Forging Roller
- Reducer: Peika Planetary Reducer
- After-sales Service Provided: Online Support Video Technical Support
- Motor Power: 5.5 - 30
- Plate Yield Limit: 245 MPA



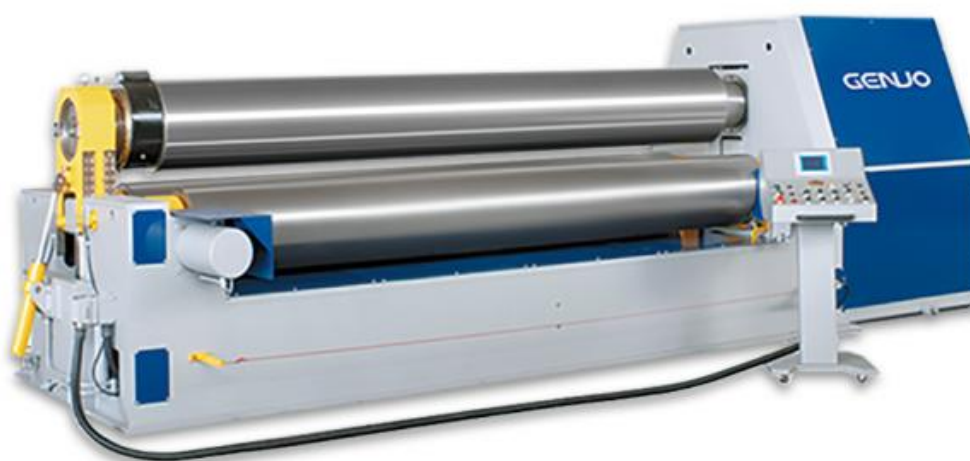
### More Images



## 3 Roller Plate

**ROLLING MACHINE**

— Hydraulic UNIVERSAL HU3R Series —



**GENUO Hydraulic UNIVERSAL HU3R Series 3 Roller Plate Rolling Machine** can pre bend the plate edge 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 relative and change the geometric position according to the needs of forming);It can cooperate with CNC control system to 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.

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

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## Configuration Details



### Working Roller

Roller is the most important components of the rolling machine, its quality and performance has a direct impact on the service life of the rolling machine and the precision of rolling. 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.

### 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.

It's safe, stable and not easy to break. Low Noise and Powerful Force Siemens motor guarantee the machine service life and improve the machine working stability.



### 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. This machine can automatically rolling and forming at one time. Powerful data storage and recall functions. Hundreds of programs for various specifications of automated rolling. The system is compatible with manual operation programs and can be manually operated when needed. At the same time, the configuration software also provides users with a variety of functions, such as formula management, security level management, language management, etc.



### 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.

Advantage of our hydraulic system:

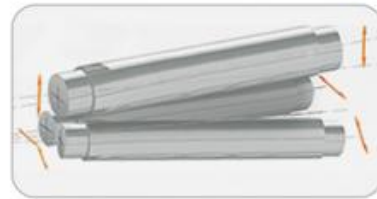
- The unique pre-discharge technology is adopted to effectively avoid hydraulic shock and improve the life of the pipeline and seals.
- The hydraulic components are adopt Japan YUKEN and NO.K brand, high quality parts to ensure the stability of the hydraulic system.
- Each input and output port of the hydraulic system is provided with corresponding detection points, which are convenient for maintenance and fault checking. The oil pump adopts a lower mounted type and positive pressure oil absorption. At the same time the filters, level gauges, and all transmitting devices can automatically warn of faults.



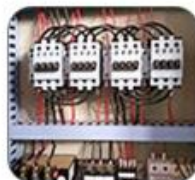
## 2 Main Structure

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.

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

The transmission part consists with powerful motor, gearbox 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.



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## Quality Assurance



## Material

High quality / Corrosion resistance

## Durable

Long used life / Premium accessories

## Precision

Machining / High precision rolling

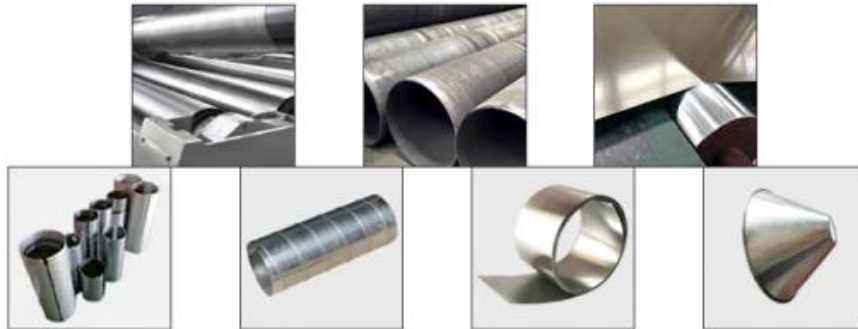
## Work

Safe and efficient / Easy to operate

## After Sale

Exclusive service / Quality assurance

## Function Application



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## 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

