



## Mechanical Symmetry 3 Roller Plate Rolling Machine 220V 380V 415V 440V

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: genuo
- Certification: M.2020.206.C6366
- Model Number: MS3R-6m/8m/12m/16m/20m/25m/30m/40m
- 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
- Voltage: 220V/380V/415V/440V/customized
- Color: Customer Choose
- Electrical Components: Schneider & Omron & Delixi
- Roller: 42CrMo Solid Forging Roller/C45 Hard Quenching & Tempering Roller
- Gear: Copper Alloy Anti-wear Gear
- Bearing: NSK Double Row Self Aligning Bearing
- After-sales Service Provided: Online Support Video Technical Support
- Rolling Speed: 5-7.16m/min
- Motor Power: 5.5 - 45
- Plate Yield Limit: 265 MPA
- Core Selling Point: Competitive Price
- Value-added Services: Presented Two Years Warranty

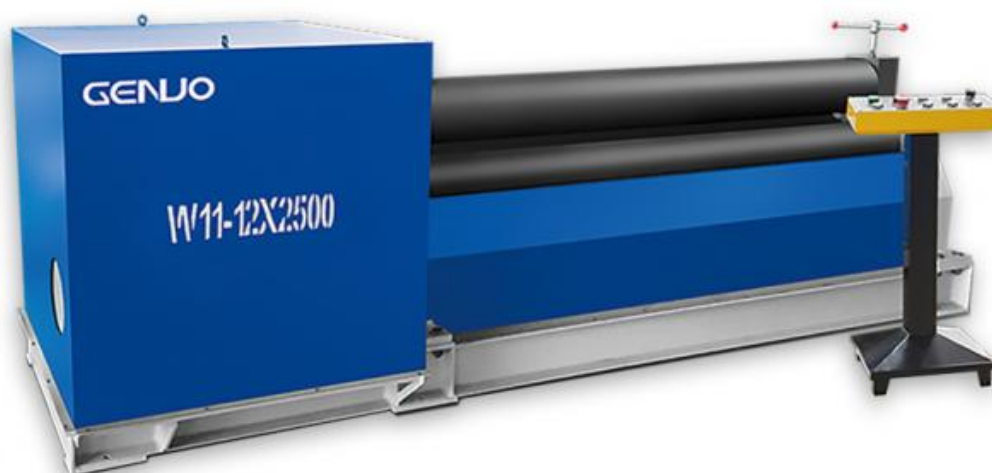


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## 3-Roller Plate

**ROLLING MACHINE**

— Mechanical Symmetry MS3R Series —

**GENUO Mechanical symmetry MS3R Series 3 Roller plate Rolling Machine .**

MR3R series plate rolling machine with mechanical drive and adopts 3-roller symmetrical structure with the upper roller moving vertically in the center between the two lower rollers, which is achieved through the drive of the screw, the nut, the worm and the lead screw. The two lower rollers rotate, and provides the plate materials with torque through the engagement of the output gear of the moderator with the gear of the lower rollers.

When take away workpieces, upper roller can be separated.

Upon request, we can install kinds of side wheels to bend different types metal sheet.

This machine has the advantages of simple structure, stability and easy operation. It is an economical plate bending machine with high cost performance.

- Note: specification which above 25×2500 adopt hydraulic overturn discharge.
- Special specifications can be customized; length between 1000-4000 mm is optional.

Standard Equipment	Optional Equipment
▲ Wireless button remote control	△ Digital screen display control console
▲ C45 hard quenching & tempering roller	△ 42CrMo solid forging roller
▲ Schneider & Omron electrical components	△ Side motorised rolls
▲ Copper alloy anti-wear gear	△ Segmental inlay roller ring
▲ NSK Double row self aligning bearing	△ Centralised manual lubrication
▲ Enclosed sheet metal cover	△ Customized colors

1

## 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

Schneider Electric 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.

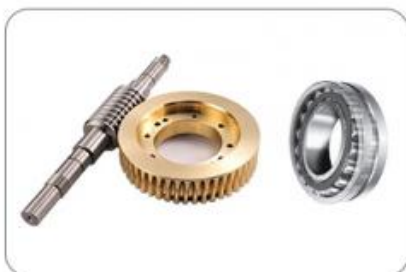
It's safe, stable and not easy to break. Low Noise and Powerful motor guarantee the machine service life and improve the machine working stability.



### Roller Rotation

#### Stepper Motor - Planetary Gearbox - Working Roll

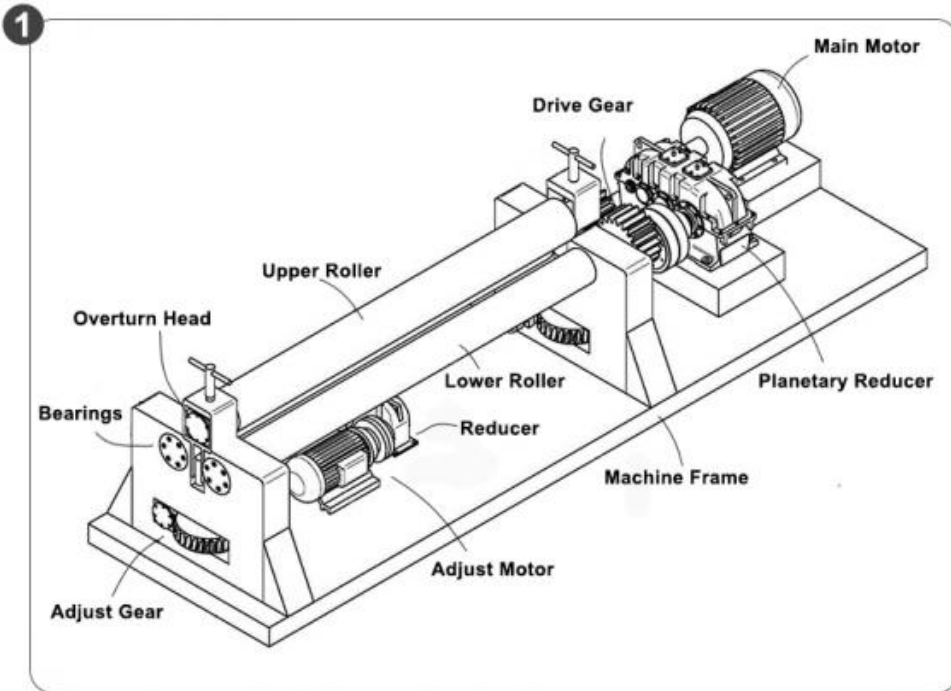
Symmetric geometry in the roll movement featured by the 3-roll bending rolls of the series assures optimal traction. The upper roll can bend the plate by moving up and down, while the fixed lower roll can realize the plate rolling by turning forward and backward. The row self-aligning bearing of the upper roll with low resistance plays a strong role in supporting and preventing the sheet from slipping to the maximum extent.



2

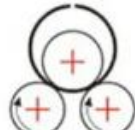
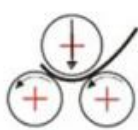
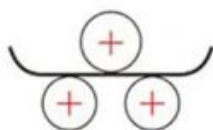
### Main Structure

The machine is a three - roll symmetrical mechanical structure. The upper roller moves up and down in the center of the two lower rollers. Both nuts and worm gear act as drives. The two bottom rollers serve as the main driving rollers. By engaging, it rotates between the output gear of the transmission and the bottom roll, thus providing torque to the bending plate. Simple operation, convenient maintenance, high cost performance.



Main Motor	Roller Bearing	Electronic Elements	Control Panel
The main motor rotates the power via the reducer and gear drive roller.	The wide self-aligning bearing make the roller rotate more smoothly.	Schneider Electric keeps the machine stable running and long service life.	Electric cabinet panel and remote control.Safe and easy to operate.

2



3

### 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

### Factory Picture



4

### Technical Specification

Model	Max. thickness of plate (mm)	Max. width of plate (mm)	Plate yield limit (MPa)	Rolling Speed (m/min)	Min dia. of plate in full load (mm)	Dia. of upper roller (mm)	Dia. of lower roller (mm)	Space between of two lower rollers (mm)	Main motor (kW)	Dimension (L×W×H)(mm)
MS3R-6X1500	6	1500	265	7.16	380	180	160	210	5.5	3310x1210x1330
MS3R-6X2000	6	2000	265	7.16	380	180	160	220	5.5	3810x1210x1330
MS3R-6X2500	6	2500	265	7.16	500	190	170	260	7.5	4310x1210x1330
MS3R-6X3200	6	3200	265	6.45	500	240	200	310	11	5200x1400x1200
MS3R-8X2000	8	2000	265	7.16	450	190	170	260	7.5	3810x1210x1330
MS3R-8X2500	8	2500	265	6.45	500	240	200	310	11	4500x1420x1610
MS3R-12X2000	12	2000	265	5	500	240	200	310	11	4050x1420x1610
MS3R-12X2500	12	2500	265	5	750	260	220	330	11	5000x1500x1300
MS3R-12X3000	12	3000	265	5	650	280	240	360	15	5500x1500x1300
MS3R-16X2000	16	2000	265	5	750	260	220	330	11	4500x1500x1300
MS3R-16X2500	16	2500	265	5	750	280	240	360	15	5000x1500x1300

MS3R-16X3200	16	3200	265	5	900	340	280	440	22	6300x1600x1900
MS3R-20X2000	20	2000	265	5	750	280	240	360	15	4500x1500x1300
MS3R-20X2500	20	2500	265	5	850	340	280	440	30	5600x1600x1900
MS3R-25x2000	25	2000	265	5	850	340	280	440	30	5100x1600x1900
MS3R-25x2500	25	2500	265	4.5	900	380	300	490	37	6000x4600x2150
MS3R-30x2000	30	2000	265	4.5	900	380	300	490	37	5500x1460x2150
MS3R-30X2500	30	2500	265	4.34	1100	460	380	600	45	6900x2300x2800
MS3R-30x3000	30	3000	265	5	1200	460	400	600	45	7400x2300x2800
MS3R-30x3200	30	3200	265	5	1200	500	400	600	45	7600x2300x2800
MS3R-40x2000	40	2000	265	5	1200	480	400	600	45	6400x2300x2800



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