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Hydraulic 3-roll plate rolling machine WM11S 20×2500 mm





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20 mm

2500 mm

Pre-bending

Machine description



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Hydraulic 3-roll plate rolling machine WM11S 20×2500 mm

Version with plate pre-bending capability

WM11S 20×2500 mm is a professional hydraulic 3-roll plate rolling machine designed for precise bending and rolling of sheet metal into cylindrical, conical and curved components.

The **WM11S** version is designed for intensive work in the metalworking industry. Its robust construction, three-roll working system and hydraulic control ensure a stable rolling process and high repeatability of parts.

The key advantage of this version is the **pre-bending** capability. It makes it easier to reduce straight sections at the sheet edges and prepare the workpiece for more accurate closing into a cylinder.



Working width

2500 mm



Max. plate thickness

20 mm



Pre-bending

Pre-bending

3R

Working system

3 hydraulic rolls

WM11S 20×2500 mm provides greater rolling comfort and better control over the beginning of the bend.

The pre-bending function helps reduce flat zones at the sheet edges and makes it easier to achieve a more accurate workpiece shape.

Why choose the WM11S hydraulic rolling machine?

3R

3-roll system

Even plate guidance and stable forming of cylinders, cones and curves.





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Pre-bending

Pre-bending capability helps reduce straight sections at the sheet edges.

20

For plates up to 20 mm

Machine designed for rolling plate up to 20 mm thick.

2,5

2500 mm width

Working width suitable for workshops, production facilities and steel fabrication.

☒

Various radii

Roll adjustment enables different bending radii to be achieved.

☒

Industrial operation

Robust construction and hydraulic system prepared for regular plate-processing work.

Operating principle

What distinguishes the WM11S version?

The WM11S retains the benefits of a classic 3-roll rolling machine while adding an important function: pre-bending of sheet edges. This is important when producing cylinders, tank shells and components that need to be closed as accurately as possible after rolling.

1

Sheet positioning

The plate is fed between the rolls, which guide the material and prepare it for controlled bending.

2



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Pre-bending

The pre-bending function allows bending to begin closer to the edge, making it easier to close the cylinder later.

3

Main rolling

The material is passed through the rolls until the required radius, curve or cylinder is achieved.

WM11 or WM11S – when should you choose the pre-bending version?

A standard 3-roll plate rolling machine performs well in many sheet-metal bending tasks. The **WM11S** version is the better choice when greater control over the beginning of the bend and reduced straight sections at workpiece ends are required.

Pre-bending

Fewer straight ends

Pre-bending prepares plate edges more effectively before the main rolling process.

Accuracy

Better cylinder closure

Especially useful for tank shells, pipes and cylindrical components.

Production

Greater repeatability

A controlled start to bending helps maintain quality across production batches.

Flexibility

Wider application range

A good option for facilities producing different types of sheet-metal components.



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What can you use the WM11S rolling machine for?

The WM11S 20×2500 mm hydraulic rolling machine is ideal wherever precise plate rolling and controlled forming of components with repeatable radii are required.



Tank production

Shells and cylinders

- Tank shells and cylindrical housings.
- Components requiring more accurate closure.
- Parts with reduced straight ends.



Workshops and metal fabrication shops

Plate processing

- Rolling steel sheets.
- Manufacturing guards, housings and curved segments.
- One-off work and short production runs.



Steel structures

Technical components

- Curves, gutters, segments and load-bearing elements.
- Parts for machines, installations and enclosures.
- Production for industry and maintenance departments.

Full technical specifications

Model / index **WM11S 20x2500**

Machine type **Hydraulic 3-roll plate rolling machine**

Maximum rolling thickness **20 mm**

Working width **2500 mm**

Rolling system **3-roll**

Drive **Hydraulic**

Pre-bending **Yes, pre-bending function**



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Possible shapes **Cylinders, cones, curves and sheet-metal segments**

Applications **Tanks, pipes, housings, steel and structural components**