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Hydraulic 3-roll plate rolling machine WM11 25×2000 mm





25 mm

2000 mm

15 kW

Machine description

Hydraulic 3-roll plate rolling machine WM11 25×2000 mm

Precision rolling of sheet metal, pipes, arcs and structural components

WM11 25×2000 mm is a hydraulic 3-roll plate rolling machine designed for bending and rolling sheet metal into cylinders, pipes or arcs. It is designed for facilities that require stable, powerful and repeatable sheet-metal processing.

The three-roll system guides the material in a controlled manner: the two lower rolls support the sheet while the upper roll hydraulically presses it, giving it the required bending radius.

The machine is well suited to the production of tanks, enclosures, pipes and steel components, structural parts and workpieces requiring a smooth, uniform curve.

☒

Working width

2000 mm

☒



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Max. plate thickness

25 mm



Machine power

15 kW



Rolling speed

4 m/min

WM11 25×2000 mm is a rolling machine built for real production work.

Robust construction, hydraulic pressure and a 3-roll system deliver repeatable sheet-metal bending at various radii.

Why choose the WM11 hydraulic plate rolling machine?

3R

3-roll system

Uniform sheet guidance and stable forming of cylinders, pipes and arcs.

H

Hydraulic drive

High pressing force, smooth operation and greater convenience when working with heavier sheets.

25

For plates up to 25 mm

The machine is designed for rolling plates up to 25 mm thick.

2M

2000 mm width

Working width suitable for larger sheets and production applications.



Radius adjustment

Ability to achieve different bending radii depending on the roll settings.



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Industrial operation

Robust construction prepared for intensive operation in the facility.

Operating principle

How does a hydraulic 3-roll plate rolling machine work?

In a 3-roll machine, the sheet passes between the rolls, which gradually give it the required shape. Thanks to hydraulic pressure from the upper roll, the operator can control the bending process and adapt the radius to the workpiece type.

1

Material support

The two lower rolls guide and stabilise the sheet, holding it in the correct position as it passes through the machine.

2

Hydraulic pressure

The upper roll presses the material and gradually gives it a radius. It is the key component responsible for shape control.

3

Repeatable rolling

The material passes through the rolls until the required arc, cylinder, pipe or structural component is achieved.

Available rolling machine types and variants

The selection of a rolling machine depends on the plate thickness, working width, required productivity, production type and degree of automation. The range may include both 3-roll models and 4-roll models, as well as variants with different working lengths and bending capabilities.

3 rolls



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3-roll rolling machines

A versatile solution for rolling sheet metal into cylinders, pipes and arcs. A good choice for workshops and industrial production.

4 rolls

4-roll rolling machines

A solution for more demanding applications, often chosen where greater automation and process repeatability are important.

Dimensions

Different working lengths

Rolling machines can be selected to match the material width, from smaller workshop models to machines for large production sheets.

Thickness

Different bending ranges

Variants for thinner and thicker plates are available, enabling the machine to be tailored to the actual production profile.

What can you use a hydraulic rolling machine for?

Hydraulic plate rolling machines are used wherever it is necessary to obtain a controlled arc, cylinder or cylindrical shape from a sheet-metal plate.



Tank production

Rolls and cylinders

- Cylindrical and semi-cylindrical components.
- Tank shells and tubular structures.
- Workpieces requiring a repeatable radius.





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Metalworking workshops

Sheet-metal processing

- Rolling steel sheets.
- Manufacture of enclosures, guards and technical components.
- One-off work and short production runs.



Steel structures

Load-bearing and protective components

- Arcs and structural segments.
- Components for machinery, installations and enclosures.
- Production for industry and maintenance operations.

Full technical specification

Model **W11-25x2000**

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

Maximum rolling plate thickness **25 mm**

Maximum rolling plate width **2000 mm**

Upper roll diameter **340 mm**

Lower roll diameter **260 mm**

Rolling speed **4 m/min**

Power **15 kW**

Rolling system **3-roll**

Drive **Hydraulic**

Function **Bending and rolling sheet-metal plates, also with pre-bending capability**

Application **Pipes, tanks, enclosures, steel and structural components**