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Hydraulic 3-roll plate rolling machine WM11 6×3000 mm



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6 mm

3000 mm

5,5 kW

Machine description



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Hydraulic 3-roll plate rolling machine WM11 6×3000 mm

Compact, efficient rolling machine for long sheet-metal plates

WM11 6×3000 mm is a hydraulic 3-roll plate rolling machine designed for precise bending and rolling of sheet metal up to **6 mm** and with a working width of **3000 mm**.

It is an excellent solution for workshops and plants that need to process longer sheets, but do not require a machine for very thick plate. The three-roll system enables a controlled curve, cylinder or structural segment.

The machine is well suited for manufacturing enclosures, guards, ventilation components, pipe sections, tank shells and light to medium steel structures.



Working width

3000 mm



Max. plate thickness

6 mm



Machine power

5,5 kW



Rolling speed

4 m/min

WM11 6×3000 mm is a practical rolling machine for long, thinner sheets.

Hydraulic drive, a 3-roll working system and a 3000 mm width make repeatable sheet-metal work convenient and efficient.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

Even sheet guidance and stable forming of cylinders, pipes and curves.

H



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Hydraulic drive

Smooth operation, good process control and convenient handling when rolling sheets.

6

For plate up to 6 mm

Machine designed for rolling sheet metal up to 6 mm thick.

3M

3000 mm width

The long working width allows processing large sheet-metal plates.

✕

Various radii

Roll adjustment enables different bending radii to be achieved.

✕

Workshop and production work

Robust construction performs well in workshops, metalworking shops and production facilities.

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 form it into the required shape. The two lower rolls guide the sheet, while the upper roll provides pressure and forms the radius.

1

Material support

The lower rolls stabilise the sheet and keep it on the correct path as it passes through the machine.

2



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Hydraulic forming

The hydraulic system supports smooth operation and enables the controlled formation of the required radius in the sheet.

3

Repeatable rolling

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

Different types and variants of rolling machines available

Selecting a rolling machine depends on plate thickness, working width, production type and the required accuracy. The range includes versions for thinner and thicker plate, with different working lengths and operating configurations.

3 rolls

3-roll rolling machines

A versatile solution for rolling sheet metal into cylinders, pipes, curves and segments.

4 rolls

4-roll rolling machines

Chosen for more demanding applications where automation and repeatability matter.

Width

Different working lengths

Machines can be selected for the sheet width: from workshop models to versions for large formats.

Thickness

Different bending ranges

Models are available for thinner plate as well as heavier-duty versions for thicker material.



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What can you use a hydraulic rolling machine for?

The WM11 6×3000 mm hydraulic rolling machine is ideal wherever controlled rolling of long sheet-metal plates and the forming of components with a repeatable radius are required.



Production of enclosures and guards

Curves and cylinders

- Cylindrical and semi-cylindrical enclosures.
- Technical guards and enclosure components.
- Components requiring a repeatable radius.



Metalworking workshops

Sheet-metal processing

- Rolling steel sheets.
- Manufacturing curved segments and pipes.
- One-off work and short production runs.



Light and medium structures

Steel components

- Ventilation components and ducts.
- Tank shells made from thinner sheet metal.
- Production for service departments and maintenance operations.

Full technical specification

Model **W11-6x3000**

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

Maximum rolling thickness **6 mm**

Maximum rolling width **3000 mm**

Upper roll diameter **220 mm**

Lower roll diameter **160 mm**

Rolling speed **4 m/min**



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Power**5,5 kW**

Rolling system**3-roll**

Drive**Hydraulic**

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

Applications**Enclosures, guards, pipes, tanks, steel and structural components**