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Hydraulic 3-roll plate rolling machine WM11 6×2000 mm



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6 mm
2000 mm
4 kW
Machine description



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Hydraulic 3-roll plate rolling machine WM11 6×2000 mm

Compact, efficient rolling machine for long sheet-metal plates

WM11 6×2000 mm is a hydraulic 3-roll plate rolling machine designed for precise bending and rolling of plates up to **6 mm** and with a working width of **2000 mm**.

This is an excellent solution for facilities that need to work with longer sheets, but do not require a machine for very thick plate. The three-roll configuration enables controlled forming of arcs, cylinders or structural segments.

The machine is ideal for manufacturing housings, guards, ventilation components, pipe segments, tank shells and light to medium-duty steel structures.



Working width

2000 mm



Max. plate thickness

6 mm



Machine power

4 kW



Rolling speed

4 m/min

WM11 6×2000 mm is a practical rolling machine for long, thinner sheets.

The hydraulic drive, 3-roll operating system and 2000 mm working width make repetitive sheet-metal work convenient and efficient.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

Even plate guidance and stable forming of cylinders, pipes and arcs.

H



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Hydraulic drive

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

6

For plates up to 6 mm

Machine designed for rolling plates up to 6 mm thick.

3M

2000 mm width

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

☒

Various radii

Roll adjustment makes it possible to achieve various bending radii.

☒

Workshop and production work

The robust construction is suitable for workshops, metalworking shops and production facilities.

Operating principle

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

In a 3-roll plate rolling 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 stabilize 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 controlled forming of the required radius.

3

Repeatable rolling

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

Available rolling machine types and variants

The choice of rolling machine depends on plate thickness, working width, production type and the required accuracy. Variants are available for thinner and thicker plates, with different working lengths and operating configurations.

3 rolls

3-roll plate rolling machines

A versatile solution for rolling plates into cylinders, pipes, arcs and segments.

4 rolls

4-roll plate rolling machines

Chosen for more demanding applications where automation and repeatability matter.

Width

Various working lengths

Machines can be selected to match sheet width: from workshop models to variants for large formats.

Thickness

Various bending ranges

Models are available for thinner plates as well as heavier versions for thicker material.

What can you use a hydraulic rolling machine for?

The WM11 6×2000 mm hydraulic rolling machine is suitable wherever controlled rolling of long sheet-metal



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plates and forming of components with a repeatable radius are required.



Production of housings and guards

Arcs and cylinders

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



Metalworking workshops

Sheet-metal processing

- Rolling steel sheets.
- Manufacturing arc 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 plate.
- Production for service and maintenance departments.

Full technical specification

Model **W11-6x2000**

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

Maximum rolled plate thickness **6 mm**

Maximum rolled plate width **2000 mm**

Upper roll diameter **170 mm**

Lower roll diameter **150 mm**

Rolling speed **4 m/min**

Power **4 kW**

Rolling system **3-rolkowy**

Drive **Hydrauliczny**



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Function **Bending and rolling of sheet-metal plates, including pre-bending capability**

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