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Hydraulic 3-roll plate rolling machine WM11 10×2000 mm





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10 mm

2000 mm

7,5 kW

Machine description



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Hydraulic 3-roll plate rolling machine WM11 10×2000 mm

Compact, efficient rolling machine for long sheet-metal plates

WM11 10×2000 mm is a hydraulic 3-roll rolling machine designed for precise bending and rolling of sheet metal up to **10 mm** thick 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 plates. The three-roll system makes it possible to create a controlled arc, cylinder or structural segment.

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



Working width

2000 mm



Max. plate thickness

10 mm



Machine power

7,5 kW



Rolling speed

4 m/min

WM11 10×2000 mm is a practical rolling machine for long, thinner sheet-metal plates.

Hydraulic drive, a 3-roll working system and a 2000 mm working width make repetitive sheet-metal work easy to perform.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

Even sheet 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.

10

For plates up to 10 mm

Machine designed for rolling sheet metal up to 10 mm thick.

2M

2000 mm working width

The long working width allows operation on large sheet-metal plates.

✕

Various radii

Roll adjustment makes it possible to achieve different bending radii.

✕

Workshop and production work

The solid design is suitable for workshops, metalworking shops and production facilities.

Operating principle

How does a hydraulic 3-roll rolling machine work?

In a 3-roll rolling machine, sheet metal passes between the rolls, which gradually give it 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 metal 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 in the sheet metal.

3

Repeatable rolling

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

Various types and variants of rolling machines available

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

3 rolls

3-roll rolling machines

A universal solution for rolling sheet metal into cylinders, pipes, arcs and segments.

4 rolls

4-roll rolling machines

Chosen for more demanding applications where automation and repeatability matter.

Width

Various working lengths

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

Thickness

Various bending ranges

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



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What can you use a hydraulic rolling machine for?

The WM11 10×2000 mm hydraulic rolling machine is suitable wherever controlled rolling of long sheet-metal 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-duty 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 **W11-10x2000**

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

Maximum rolling thickness **10 mm**

Maximum rolling width **2000 mm**

Upper roll diameter **220 mm**

Lower roll diameter **180 mm**

Rolling speed **4 m/min**



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Power**7,5 kW**

Rolling system**3-roll**

Drive**Hydraulic**

Function**Bending and rolling sheet metal, including a pre-bending function**

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