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Hydraulic 3-roll plate rolling machine WM11 8×2000 mm





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8 mm

2000 mm

5,5 kW

Machine description



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Hydraulic 3-roll plate rolling machine WM11 8×2000 mm

Compact, efficient rolling machine for long sheet metal blanks

WM11 8×2000 mm is a hydraulic 3-roll rolling machine designed for precise bending and rolling of plates up to **8 mm** and with a working width of **2000 mm**.

It is a very good solution for facilities that need to work with longer sheets, but do not require a machine for very thick plates. The three-roll configuration enables a controlled arc, cylinder or structural segment.

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



Working width

2000 mm



Max. plate thickness

8 mm



Machine power

5,5 kW



Rolling speed

4 m/min

WM11 8×2000 mm is a practical rolling machine for long, thinner sheets.

The hydraulic drive, 3-roll configuration and 2000 mm width enable repeatable sheet metal work to be carried out conveniently.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

Uniform 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.

8

For plates up to 8 mm

Machine designed for rolling plates up to 8 mm thick.

2M

2000 mm wide

The long working width allows processing large sheet metal blanks.

☒

Various radii

Roll adjustment enables different bending radii to be achieved.

☒

Workshop and production work

The robust design performs well in workshops, metalworking shops and production facilities.

Operating principle

How does a hydraulic 3-roll rolling machine work?

In a 3-roll rolling machine, the sheet 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 stabilize the sheet metal blank 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 plate to be given the required radius in a controlled manner.

3

Repeatable rolling

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

Available types and variants of rolling machines

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

3 rolls

3-roll rolling machines

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

4 rolls

4-roll rolling machines

Chosen for more demanding applications where automation and repeatability are important.

Width

Various working lengths

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

Thickness

Various bending ranges

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



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What can you use a hydraulic rolling machine for?

The WM11 8×2000 mm hydraulic rolling machine is ideal wherever controlled rolling of long sheet metal blanks and forming of components with a repeatable radius are required.



Production of enclosures and guards

Arcs and cylinders

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



Metalworking shops

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 **W11-8x2000**

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

Maximum rolling thickness **8 mm**

Maximum rolling width **2000 mm**

Upper roll diameter **180 mm**

Lower roll diameter **150 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 blanks, also with a pre-bending function**

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