

Hydraulic 3-roll plate rolling machine WM11 8×3000 mm



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8 mm
3000 mm
7,5 kW
Machine description



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Hydraulic 3-roll plate rolling machine WM11 8×3000 mm

Compact, efficient plate rolling machine for long sheet metal sections

WM11 8×3000 mm is a hydraulic 3-roll plate rolling machine designed for precision bending and rolling of sheet metal up to **8 mm** and with a working width of **3000 mm**.

This is an excellent solution for companies that need to work with longer sheets, but do not require a machine for very thick plate. The three-roll arrangement makes it possible to achieve a controlled curve, cylinder or structural segment.

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



Working width

3000 mm



Max. plate thickness

8 mm



Machine power

7,5 kW



Rolling speed

4 m/min

WM11 8×3000 mm is a practical rolling machine for long, thinner sheets.

The hydraulic drive, 3-roll working system and 3000 mm width allow repeatable sheet metal work to be performed conveniently.

Why choose the hydraulic WM11 plate rolling machine?

3R

3-roll system

Uniform 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.

8

For plate up to 8 mm

The machine is designed for rolling sheet metal up to 8 mm thick.

3M

3000 mm working width

The long working width allows work on large sheet metal sections.

✕

Different radii

Roll adjustment enables different bending radii to be achieved.

✕

Workshop and production work

The robust design 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 give it the required shape. The two lower rolls guide the sheet, while the upper roll applies 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 allows the required radius to be formed in a controlled manner.

3

Repeatable rolling

The material passes through the rolls until the desired curve, cylinder or structural element is obtained.

Various types and versions of plate rolling machines available

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

3 rolls

3-roll plate rolling machines

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

4 rolls

4-roll plate 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 sheet metal as well as heavier-duty versions for thicker material.



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What can you use a hydraulic plate rolling machine for?

The hydraulic WM11 8×3000 mm plate rolling machine is ideal wherever controlled rolling of long sheet metal sections and forming of components with a repeatable radius are required.



Production of housings and guards

Curves and cylinders

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



Metalworking workshops

Sheet metal processing

- Rolling of steel sheets.
- Production of curved segments and pipes.
- One-off jobs 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 **W11-8x3000**

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

Maximum rolling thickness **8 mm**

Maximum rolling width **3000 mm**

Upper roll diameter **250 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 of sheet metal sections, also with a pre-bending function**

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