

Hydraulic 3-roll plate rolling machine WM11 20×2000 mm





20 mm

2000 mm

15 kW

Machine description

Hydraulic 3-roll plate rolling machine WM11 20×2000 mm

Precision rolling of sheet metal, pipes, arcs and structural components

WM11 20×2000 mm is a hydraulic 3-roll plate rolling machine designed for bending and rolling sheet metal into cylinders, pipes or arcs. It is built for businesses that need stable, powerful and repeatable sheet-metal processing.

The three-roll arrangement guides the material in a controlled manner: the two lower rolls support the sheet, while the upper roll applies hydraulic pressure, creating the required bending radius.

The machine is ideal for manufacturing tanks, housings, pipes, steel components, structural parts and details requiring a smooth, even curve.

☒

Working width

2000 mm

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Max. sheet thickness

20 mm



Machine power

15 kW



Rolling speed

4 m/min

WM11 20×2000 mm is a rolling machine built for real production work.

A robust design, hydraulic pressure and a 3-roll system enable repeatable sheet bending at various radii.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

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

H

Hydraulic drive

High pressing force, smooth operation and greater convenience with heavier sheets.

20

For sheets up to 20 mm

The machine is designed for rolling sheets up to 20 mm thick.

2M

2000 mm width

Working width suitable for larger sheets and production applications.



Radius adjustment

Ability to achieve different bending radii depending on the roll settings.



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Industrial operation

Robust construction prepared for intensive use in the facility.

Operating principle

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

In a 3-roll rolling machine, the sheet passes between the rolls, which gradually give it the required shape. Thanks to the hydraulic pressure of the upper roll, the operator can control the bending process and adjust the radius to the type of workpiece.

1

Material support

The two lower rolls guide and stabilise the sheet, keeping it in the correct position as it passes through the machine.

2

Hydraulic pressure

The upper roll presses the material and gradually gives it the radius. It is the key element responsible for shape control.

3

Repeatable rolling

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

Various types and variants of rolling machines available

The choice of a rolling machine depends on the sheet thickness, working width, expected output, type of production and level of automation. The range may include both 3-roll and 4-roll models, as well as variants with different working lengths and bending capabilities.

3 rolls



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3-roll rolling machines

A universal solution for rolling sheet metal into cylinders, pipes and arcs. A good choice for workshops and industrial production.

4 rolls

4-roll rolling machines

A solution for more demanding applications, often selected where greater automation and process repeatability are important.

Dimensions

Different working lengths

Rolling machines can be selected according to the material width, from smaller workshop models to machines for large production sheets.

Thickness

Different bending ranges

Variants for thinner and thicker sheets are available, making it possible to match the machine to the actual production profile.

What can you use a hydraulic rolling machine for?

Hydraulic plate rolling machines are used wherever it is necessary to obtain a controlled arc, cylinder or cylindrical shape from sheet metal.



Tank production

Rolls and cylinders

- Cylindrical and semi-cylindrical components.
- Tank shells and tubular structures.
- Details requiring a repeatable radius.





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Metalworking workshops

Sheet-metal processing

- Rolling steel sheets.
- Manufacturing housings, guards and technical components.
- One-off jobs and short production runs.



Steel structures

Load-bearing and protective components

- Arcs and structural segments.
- Components for machines, installations and enclosures.
- Production for industry and maintenance.

Full technical specifications

Model **W11-20x2000**

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

Maximum rolled sheet thickness **20 mm**

Maximum rolled sheet width **2000 mm**

Upper roll diameter **280 mm**

Lower roll diameter **240 mm**

Rolling speed **4 m/min**

Power **15 kW**

Rolling system **3-roll**

Drive **Hydraulic**

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

Application **Pipes, tanks, housings, steel and structural components**