

Hydraulic 3-roll plate rolling machine WM11 12×2000 mm





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Parametry techniczne	
Model:	W11-12x2000
Maks.grubość zwijanej blachy:	12mm
Maks.szerokość zwijanej blachy:	2000mm
Średnica górnej rolki:	240mm
Średnica dolnych rolki:	180mm
Prędkość zwijania:	4m/min
Moc:	7,5 kW



12 mm

2000 mm

7,5 kW

Machine description



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Hydraulic 3-roll plate rolling machine WM11 12×2000 mm

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

WM11 12×2000 mm is a hydraulic 3-roll plate rolling machine designed for bending and rolling sheet metal into cylinders, pipes or arcs. It is a machine for workshops that need stable, powerful and repeatable sheet-metal processing.

The three-roll system guides the material in a controlled manner: two lower rolls support the sheet, while the upper roll presses it hydraulically to give it the required bending radius.

The machine is ideal for producing tanks, housings, pipes, steel components, structural parts and workpieces requiring a smooth and uniform curve.

☒

Working width

2000 mm

☒

Max. sheet thickness

12 mm

☒

Machine power

7,5 kW

☒

Rolling speed

4 m/min

WM11 12×2000 mm is a rolling machine built for real production work.

A robust design, hydraulic clamping and a 3-roll system enable repeatable sheet-metal bending at different radii.

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

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

12

For sheet metal up to 12 mm

Machine designed for rolling sheet metal up to 12 mm thick.

2M

2000 mm width

Working width suitable for large components and production applications.

☒

Radius adjustment

Ability to achieve different bending radii depending on roll settings.

☒

Industrial operation

Robust design prepared for intensive use in a workshop.

Operating principle

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

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

1

Material support

Two lower rolls guide and stabilize the sheet, keeping it in the correct position as it passes through the machine.

2



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Hydraulic clamping

The upper roll presses the material and gradually forms its radius. It is the key component responsible for shape control.

3

Repeatable rolling

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

Different types and variants of rolling machines available

The choice of rolling machine depends on sheet thickness, working width, expected productivity, production type and degree 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

3-roll rolling machines

A versatile 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 matter.

Dimensions

Different working lengths

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

Thickness

Different bending ranges

Variants for thinner and thicker sheet metal are available, allowing the machine to be matched to the actual



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production profile.

What can you use a hydraulic rolling machine for?

Hydraulic plate rolling machines are used wherever a controlled arc, roll or cylindrical shape must be formed from sheet metal.



Tank production

Rolls and cylinders

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



Metalworking workshops

Sheet-metal processing

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



Steel structures

Load-bearing and protective elements

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

Full technical specifications

Model **W11-12×2000**

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

Maximum rolled sheet thickness **12 mm**

Maximum rolled sheet width **2000 mm**

Upper roll diameter **240 mm**



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Lower roll diameter **180 mm**

Rolling speed **4 m/min**

Power **7,5 kW**

Rolling system **3-roll**

Drive **Hydraulic**

Function **Bending and rolling of sheet-metal sheets**

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