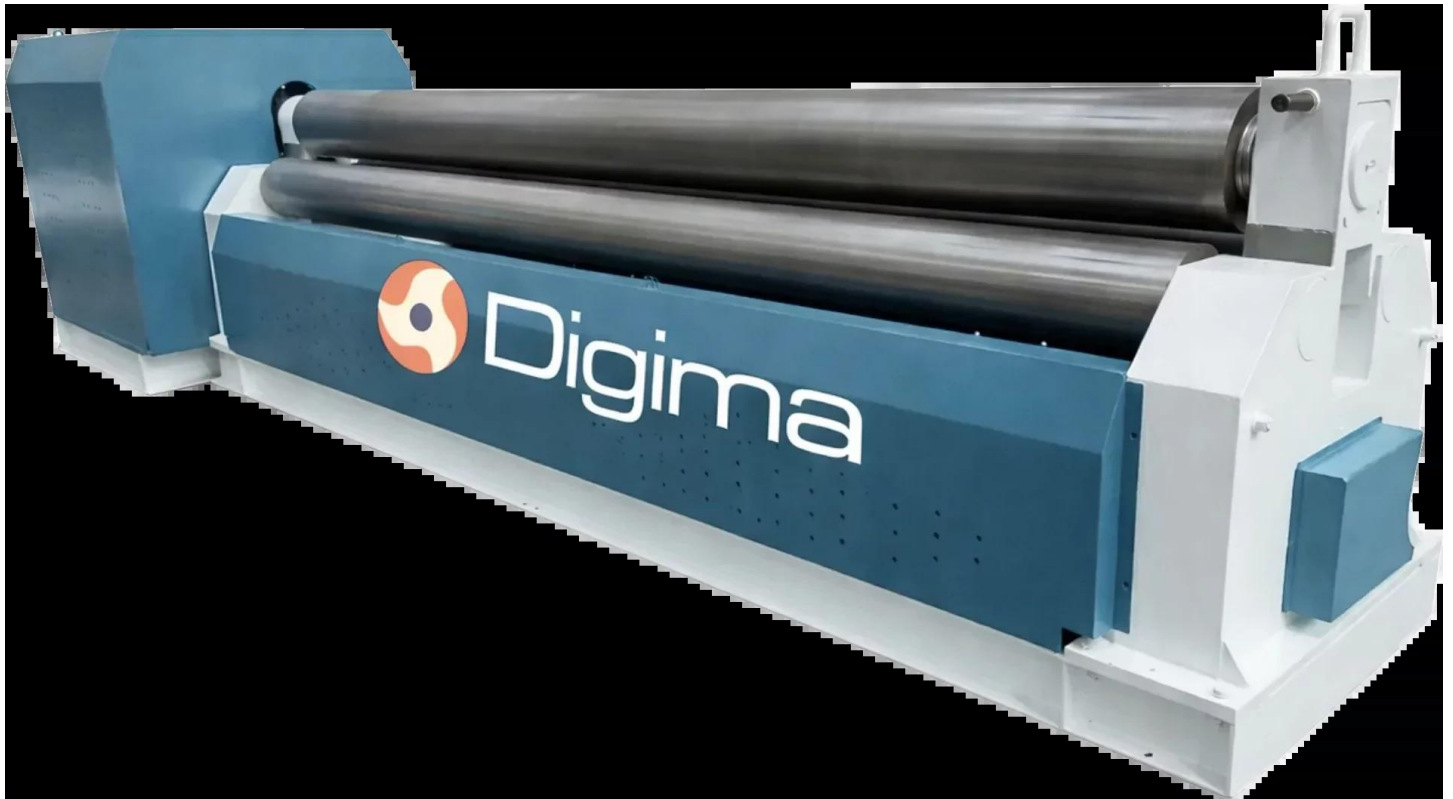


Hydraulic 3-roll plate rolling machine WM11 20×2500 mm





20 mm

2500 mm

15 kW

Machine description

Hydraulic 3-roll plate rolling machine WM11 20×2500 mm

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

WM11 20×2500 mm is a hydraulic 3-roll plate rolling machine designed for bending and rolling sheet metal into cylinders, pipes or arcs. It is intended for facilities that require stable, powerful and repeatable sheet-metal processing.

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

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

☒

Working width

2500 mm

☒



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Max. sheet thickness

20 mm



Machine power

15 kW



Rolling speed

4 m/min

WM11 20×2500 mm is a rolling machine built for real production work.

Robust construction, hydraulic pressure and a 3-roll system enable repeatable sheet-metal bending to different radii.

Why choose the WM11 hydraulic plate rolling machine?

3R

3-roll system

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

H

Hydraulic drive

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

20

For sheets up to 20 mm

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

2,5

2500 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 workshop or production facility.

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 form it into the required shape. Thanks to hydraulic pressure from the upper roll, the operator can control the bending process and match the radius to the workpiece.

1

Material support

The two lower rolls guide and stabilize 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 a radius. It is the key element responsible for shape control.

3

Repeatable rolling

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

Available rolling machine types and variants

Selecting a rolling machine depends on sheet thickness, working width, required productivity, type of production and the desired 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 plate 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 plate rolling machines

A solution for more demanding applications, often chosen where a higher level of automation and process repeatability are important.

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 sheets are available, allowing the machine to be matched to the actual production profile.

What can you use a hydraulic plate rolling machine for?

Hydraulic plate rolling machines are used wherever a controlled arc, cylinder or cylindrical shape needs to be produced from a sheet of metal.



Tank production

Rolls and cylinders

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





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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 components

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

Full technical specifications

Model **W11-20x2500**

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

Maximum rolling thickness **20 mm**

Maximum rolling width **2500 mm**

Upper roll diameter **340 mm**

Lower roll diameter **260 mm**

Rolling speed **4 m/min**

Power **15 kW**

Rolling system **3-roll**

Drive **Hydraulic**

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

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