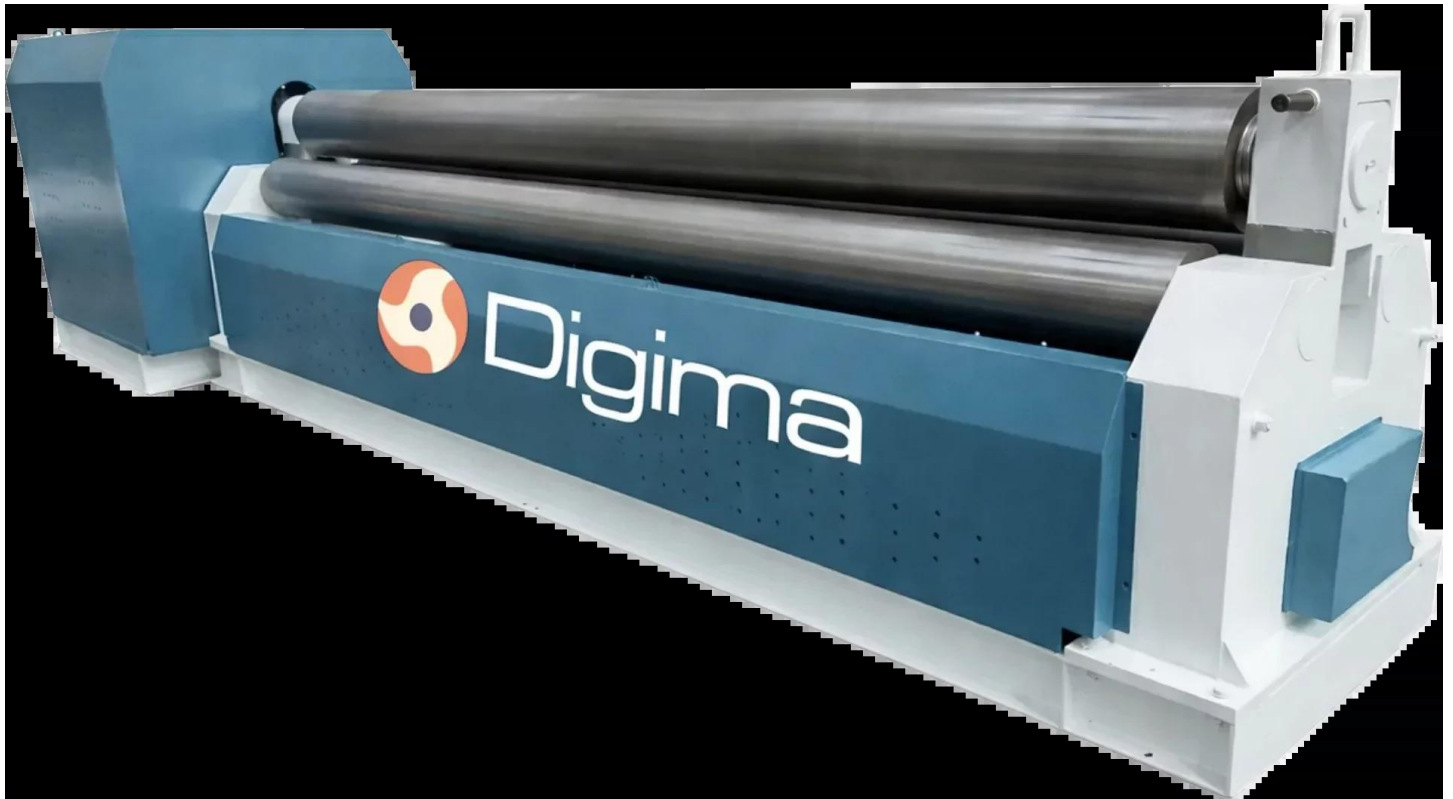


Hydraulic 3-roll plate rolling machine WM11 16×2500 mm





16 mm

2500 mm

11 kW

Machine description

Hydraulic 3-roll plate rolling machine WM11 16×2500 mm

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

WM11 16×2500 mm is a hydraulic 3-roll plate rolling machine designed for bending and rolling sheet metal into cylinders, tubes 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 way: the two lower rolls support the sheet, while the upper roll applies hydraulic pressure to give it the required bending radius.

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

☒

Working width

2500 mm

☒



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Max. plate thickness

16 mm



Machine power

11 kW



Rolling speed

4 m/min

WM11 16×2500 mm is a rolling machine built for real production work.

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

Why choose the WM11 hydraulic plate rolling machine?

3R

3-roll system

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

H

Hydraulic drive

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

16

For plates up to 16 mm

Machine designed for rolling plates up to 16 mm thick.

2,5

2500 mm working 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 designed for intensive use in the facility.

Operating principle

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

In a 3-roll machine, the sheet passes between the rolls, which gradually give it the required shape. Thanks to hydraulic pressure on 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 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 a radius. It is the key element responsible for shape control.

3

Repeatable rolling

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

Available rolling machine types and variants

The choice of rolling machine depends on plate thickness, working width, required capacity, production type and the 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, tubes and arcs. A good choice for workshops and industrial production.

4 rolls

4-roll plate rolling machines

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

Dimensions

Different working lengths

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

Thickness

Different bending ranges

Variants for thinner and thicker plates are available, enabling 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 formed from a sheet of 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 work and short production runs.



Steel structures

Load-bearing and protective components

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

Full technical specification

Model **W11-16x2500**

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

Maximum rolling thickness **16 mm**

Maximum rolling width **2500 mm**

Upper roll diameter **280 mm**

Lower roll diameter **240 mm**

Rolling speed **4 m/min**

Power **11 kW**

Rolling system **3-roll**

Drive **Hydraulic**

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

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