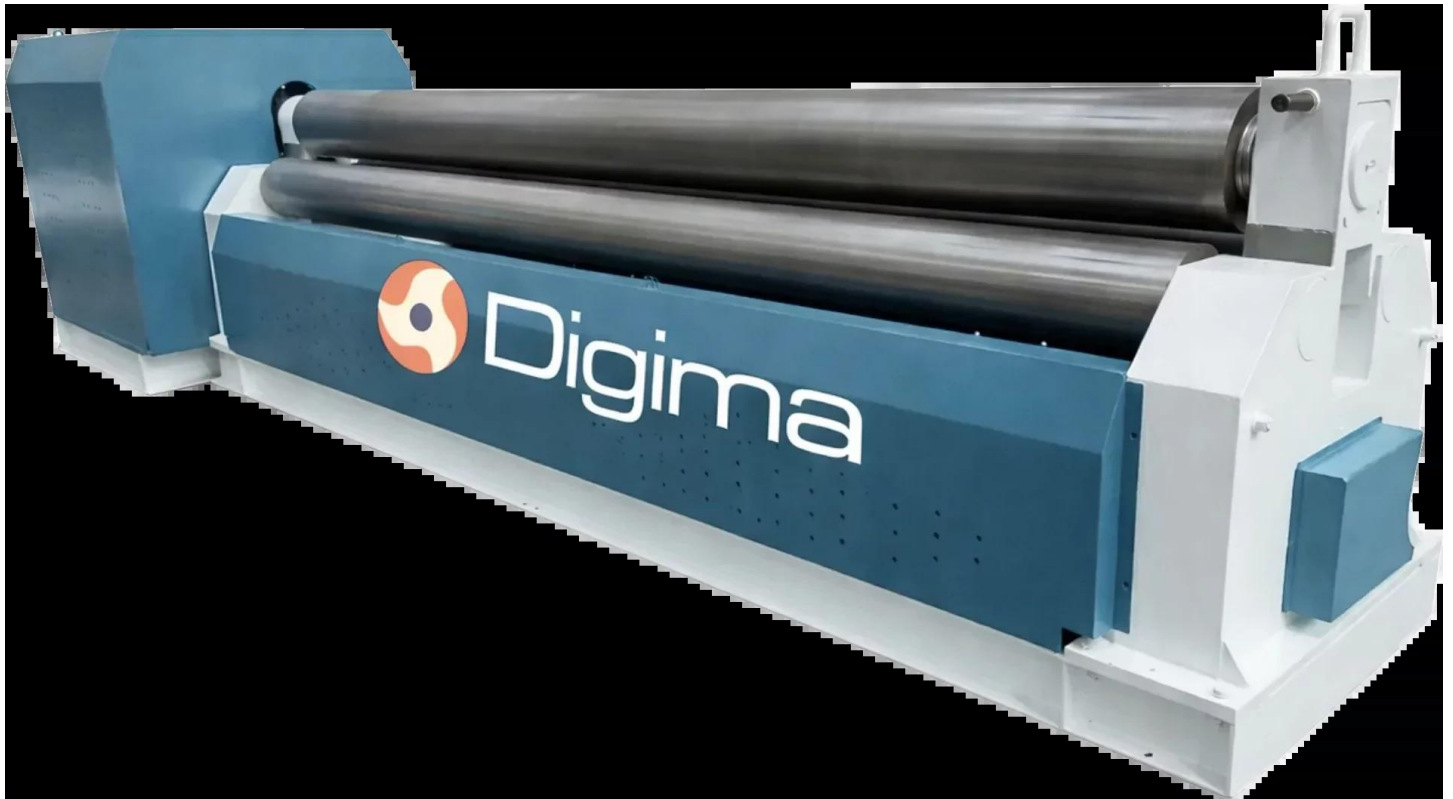


Hydraulic 3-roll plate rolling machine WM11 16×3000 mm





16 mm

3000 mm

15 kW

Machine description

Hydraulic 3-roll plate rolling machine WM11 16×3000 mm

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

WM11 16×3000 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 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, forming the required bending radius.

The machine is ideal for producing tanks, enclosures, tubes, steel components, structural parts and workpieces requiring a smooth, even curve.

☒

Working width

3000 mm

☒



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Max. sheet thickness

16 mm



Machine power

15 kW



Rolling speed

4 m/min

WM11 16×3000 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 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 convenience with heavier sheets.

16

For sheet up to 16 mm

Machine designed for rolling sheet metal up to 16 mm thick.

3M

3000 mm width

Working width suitable for larger sheets and production applications.



Radius adjustment

Ability to achieve different bending radii depending on roll settings.



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Industrial operation

Robust construction designed for intensive use in industrial facilities.

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 form it into 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 workpiece type.

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 forms the radius. It is the key element responsible for shape control.

3

Repeatable rolling

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

Available rolling machine types and variants

The choice of a rolling machine depends on sheet thickness, working width, required capacity, production type 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 versatile solution for rolling sheet metal into cylinders, tubes and arcs. A good choice for workshops and industrial production.

4 rolls

4-roll rolling machines

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

Dimensions

Different working lengths

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

Thickness

Different bending ranges

Variants are available for thinner and thicker sheets, allowing the machine to be matched to the actual production profile.

What can a hydraulic rolling machine be used for?

Hydraulic plate rolling machines are used wherever it is necessary to create 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.
- Workpieces requiring a repeatable radius.





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Metalworking workshops

Sheet-metal processing

- Rolling steel sheets.
- Manufacturing enclosures, 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 operations.

Full technical specifications

Model **W11-16x3000**

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

Maximum rolling thickness **16 mm**

Maximum rolling width **3000 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, also with pre-bending function**

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