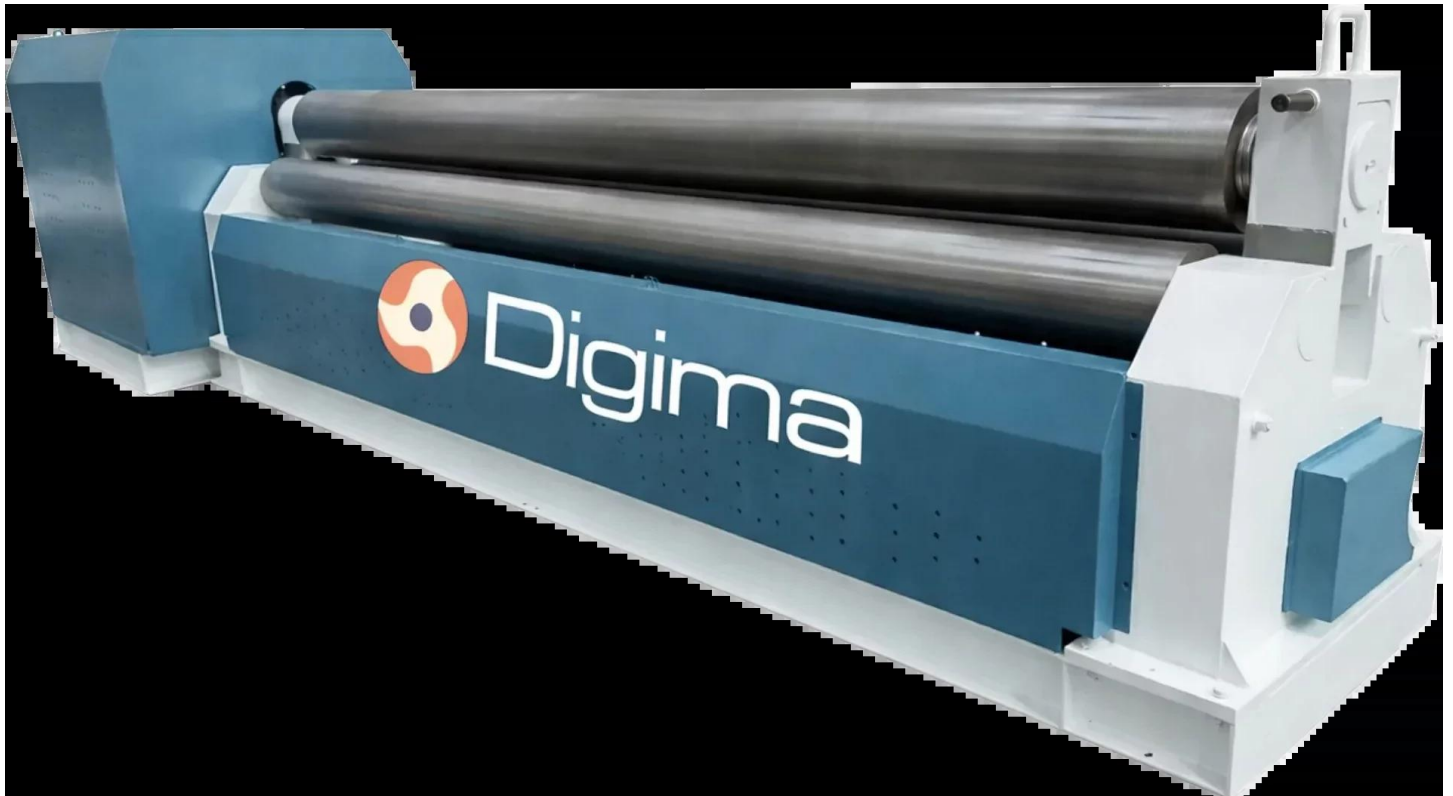


**Hydraulic 3-roll plate rolling machine WM11 30×3000 mm**





30 mm

3000 mm

37 kW

Machine description

## Hydraulic 3-roll plate rolling machine WM11 30×3000 mm

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

**WM11 30×3000 mm** is a hydraulic 3-roll plate rolling machine designed for bending and rolling sheet metal into cylindrical, pipe or curved shapes. 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, forming it to 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

3000 mm

✕



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Max. plate thickness

30 mm



Machine power

37 kW



Rolling speed

4 m/min

**WM11 30×3000 mm is a rolling machine designed for real production work.**

Robust construction, hydraulic pressure and a 3-roll system enable repeatable sheet-metal 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 curves.

H

#### Hydraulic drive

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

30

#### For plates up to 30 mm

The machine is designed for rolling plates up to 30 mm thick.

3M

#### 3000 mm working width

A 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 workplace.

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 to the required shape. Thanks to hydraulic pressure on the upper roll, the operator can control the bending process and match the radius to the type of part.

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 component responsible for shape control.

3

### **Repeatable rolling**

The material passes through the rolls until the desired curve, cylinder, pipe or structural component is obtained.

### **Available types and variants of rolling machines**

Choosing a rolling machine depends on plate thickness, working width, required capacity, 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



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### **3-roll plate rolling machines**

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

4 rolls

### **4-roll plate rolling machines**

A solution for more demanding applications, often chosen where greater 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 are available for thinner and thicker plates, 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 curve, 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 work and short production runs.



### Steel structures

#### Load-bearing and protective components

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

### Full technical specifications

Model **W11-30x3000**

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

Maximum rolling thickness **30 mm**

Maximum rolling width **3000 mm**

Upper roll diameter **450 mm**

Lower roll diameter **360 mm**

Rolling speed **4 m/min**

Power **37 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**