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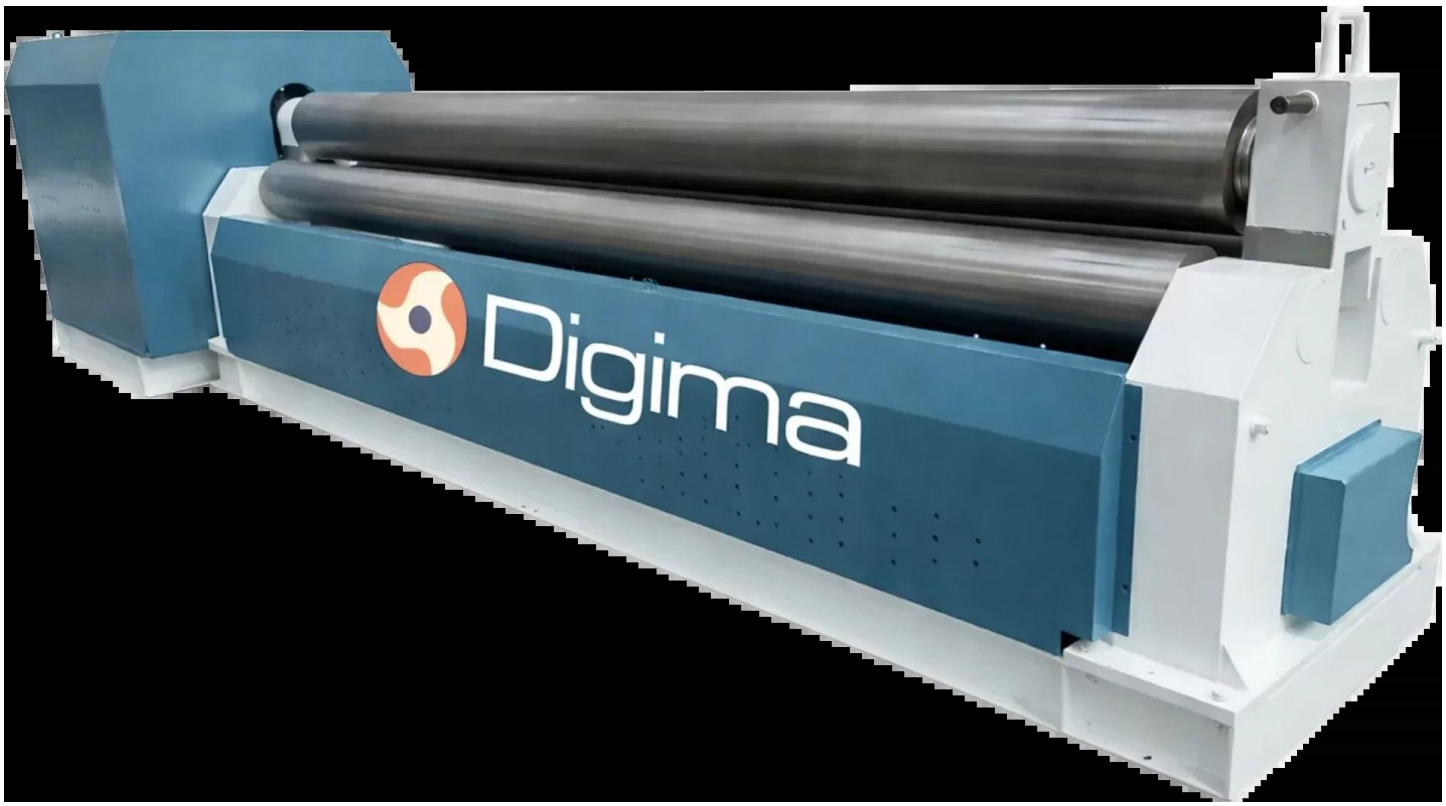
Hydraulic 3-roll plate rolling machine WM11 30×2500 mm



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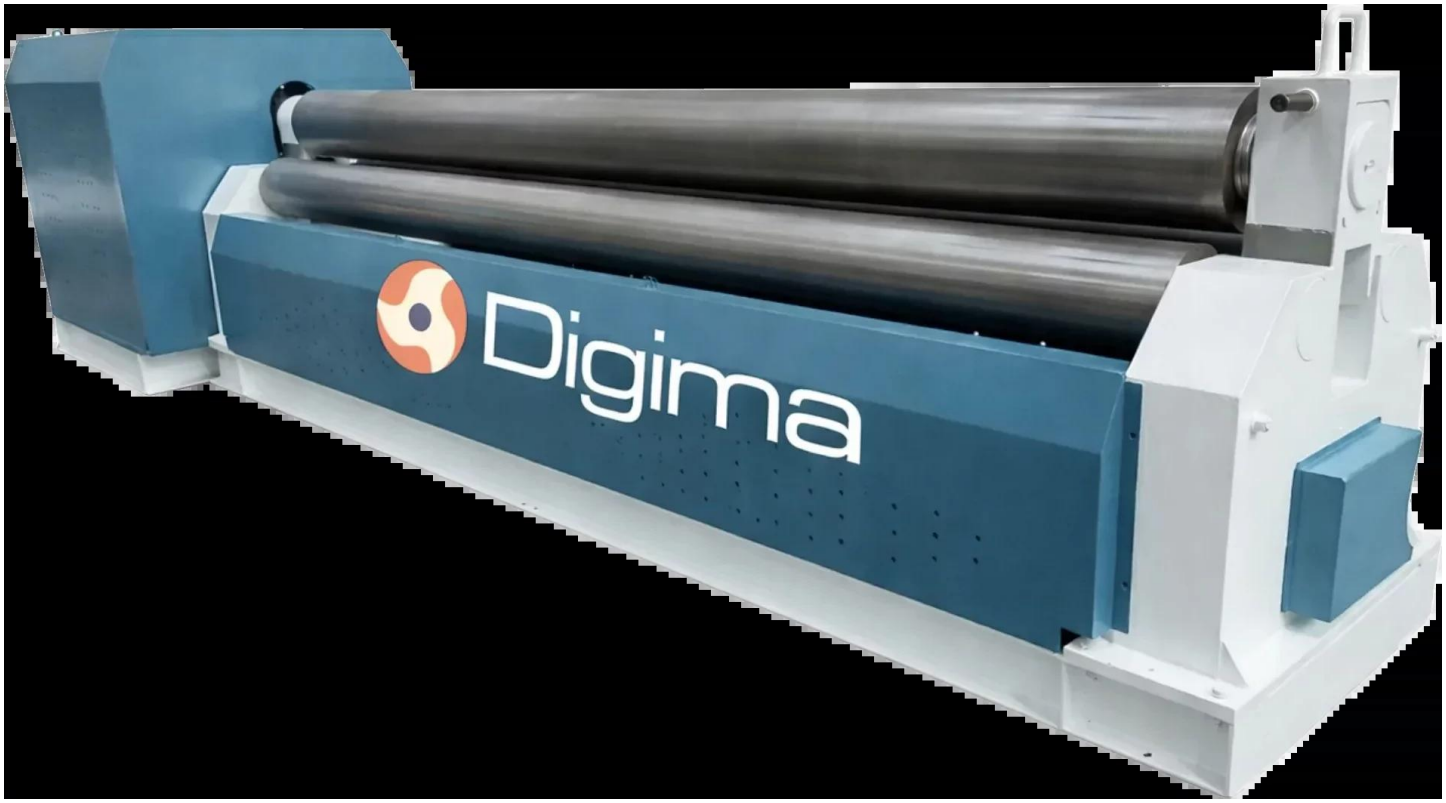

30 mm
2500 mm
30 kW
Machine description

Hydraulic 3-roll plate rolling machine WM11 30×2500 mm

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

WM11 30×2500 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 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 manufacturing tanks, housings, pipes, steel components, structural parts and workpieces requiring a smooth, uniform curve.

Working width
2500 mm

Max. sheet thickness
30 mm

Machine power
30 kW

Rolling speed
4 m/min

WM11 30×2500 mm is a rolling machine built for real production work.

A robust construction, hydraulic pressure and a 3-roll arrangement deliver repeatable sheet-metal bending at a range of radii.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

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

H

Hydraulic drive

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

30

For sheets up to 30 mm

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

2,5

2500 mm width

A working width suited to 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 plant.

Operating principle

How does a hydraulic 3-roll rolling machine work?

In a 3-roll rolling 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 adapt 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 forms its radius. It is the key component responsible for shape control.

3

Repeatable rolling

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

Various types and rolling machine versions available

The choice of rolling machine depends on sheet thickness, working width, required output, production type and degree of automation. The range may include both 3-roll and 4-roll models, as well as versions 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 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

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

What can you use a hydraulic rolling machine for?

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

Tank production

Cylinders and shells

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

Metalworking workshops

Sheet-metal processing

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

Steel structures

Load-bearing and protective components

- Structural arcs and segments.
- Components for machinery, installations and enclosures.
- Production for industry and maintenance operations.

Full technical specification

Model**W11-30x2500**
Machine type**Hydraulic 3-roll plate rolling machine**
Maximum rolling thickness**30 mm**
Maximum rolling width**2500 mm**
Upper roll diameter**420 mm**
Lower roll diameter**360 mm**
Rolling speed**4 m/min**
Power**30 kW**
Rolling system**3-roll**
Drive**Hydraulic**
Function**Bending and rolling sheet metal, including pre-bending function**
Application**Pipes, tanks, housings, steel and structural components**