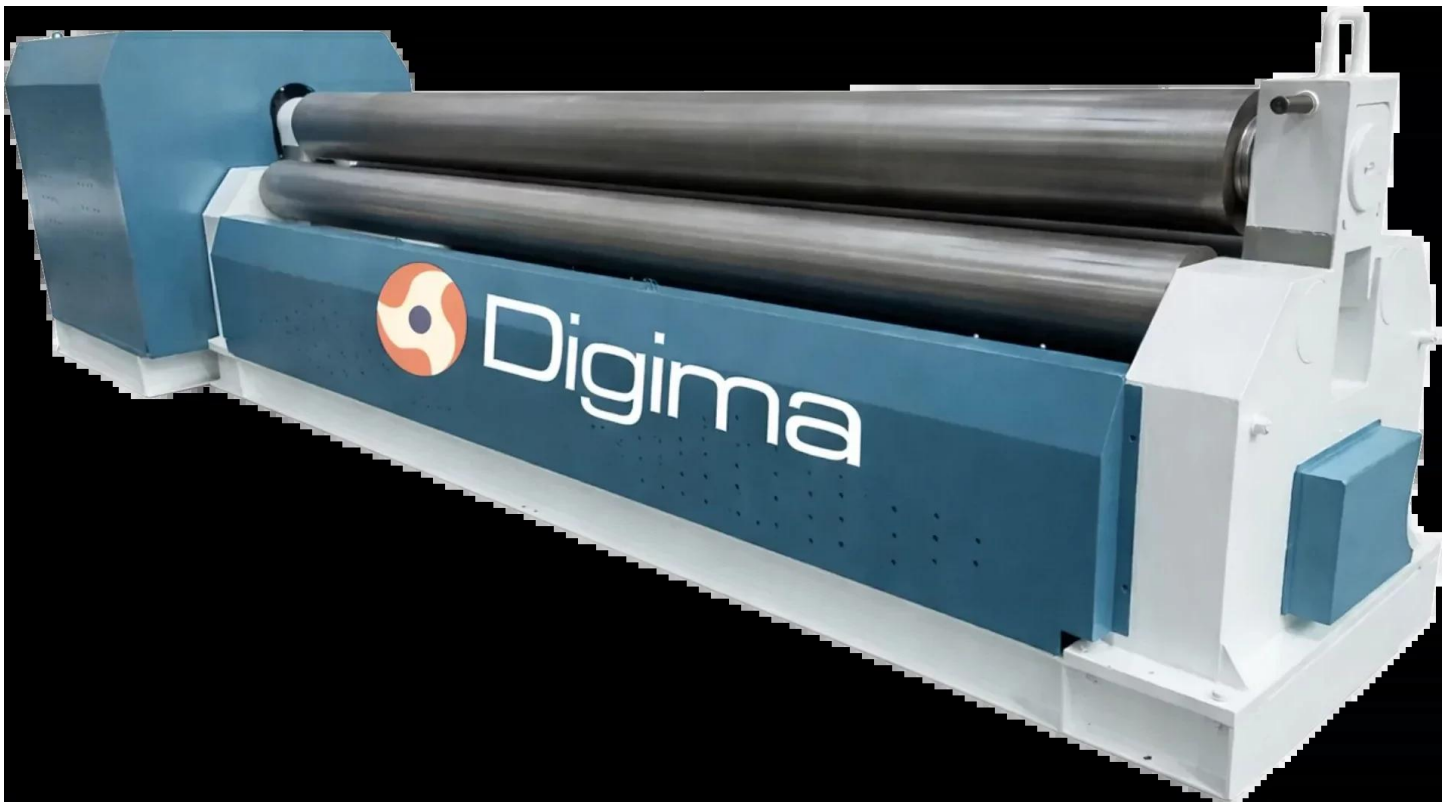
KARTA PRODUKTOWA

Hydraulic 3-roll plate rolling machine WM11 16×2000 mm



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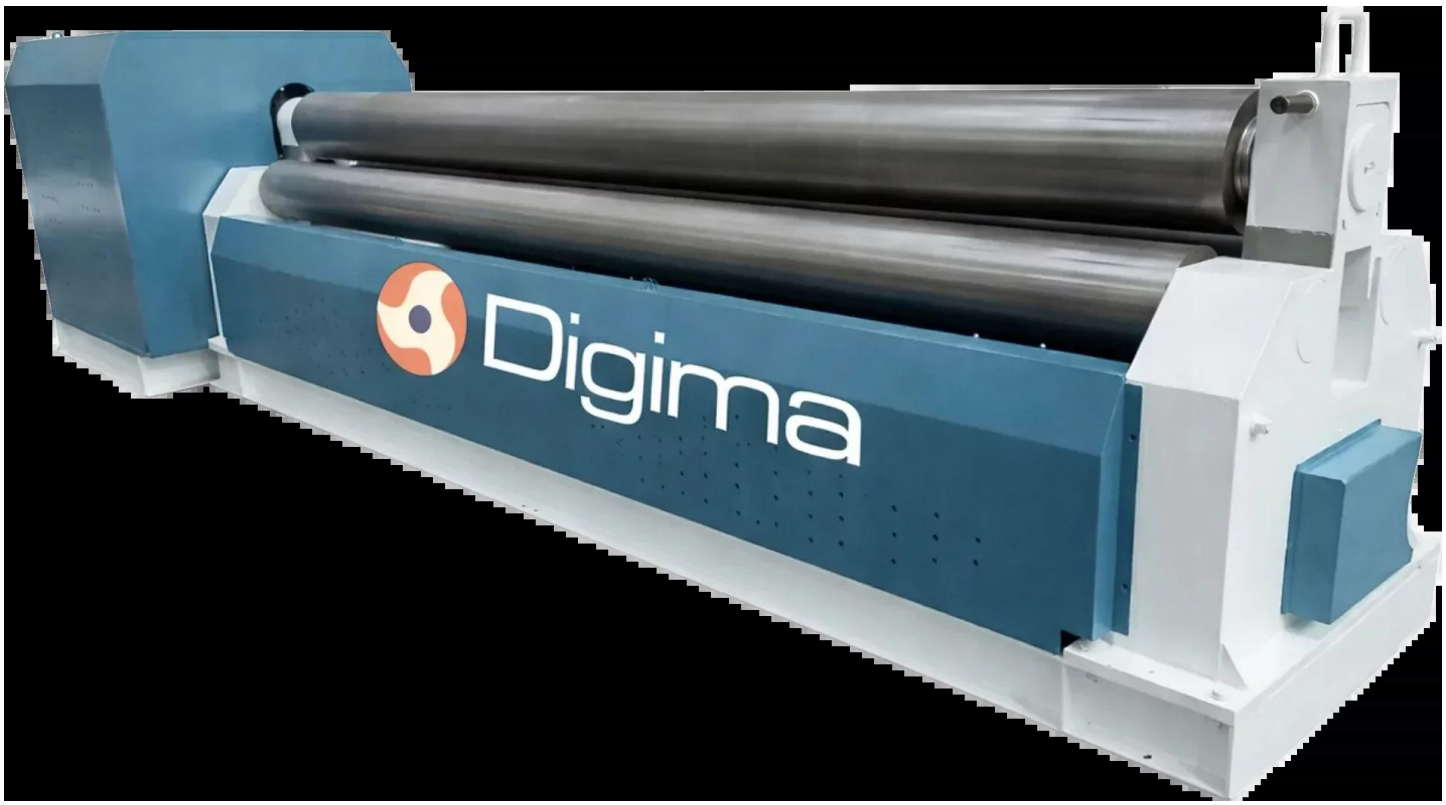

16 mm
2000 mm
7.5 kW
Machine description

Hydraulic 3-roll plate rolling machine WM11 16×2000 mm

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

WM11 16×2000 mm is a hydraulic 3-roll plate rolling machine designed for bending and rolling sheet metal into cylinders, pipes or arcs. It is built 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
2000 mm

Max. sheet thickness
16 mm

Machine power
7.5 kW

Rolling speed
4 m/min

WM11 16×2000 mm is a rolling machine built for real production work.

Its robust design, hydraulic pressure and 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, pipes and arcs.

H

Hydraulic drive

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

16

For sheets up to 16 mm

The machine is designed for rolling sheet metal up to 16 mm thick.

2M

2000 mm width

A working width suitable for larger sheets and production applications.

Radius adjustment

Ability to achieve different bending radii depending on roll settings.

Industrial use

Robust construction designed for intensive use in industrial facilities.

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 give it 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 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 the radius. It is the key component responsible for shape control.

3

Repeatable rolling

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

Different types and variants of rolling machines 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 variants with different working lengths and bending capacities.

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 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 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 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.
- Workpieces requiring a repeatable radius.

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 operations.

Full technical specification

Model**W11-16x2000**
Machine type**Hydraulic 3-roll plate rolling machine**
Maximum rolling thickness**16 mm**
Maximum rolling width**2000 mm**
Upper roll diameter**260 mm**
Lower roll diameter**220 mm**
Rolling speed**4 m/min**
Power**7.5 kW**
Rolling system**3-roll**
Drive**Hydraulic**
Function**Bending and rolling sheet metal, including pre-bending capability**
Application**Pipes, tanks, housings, steel and structural components**