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Hydraulic 3-roll plate rolling machine WM11 8×2500 mm



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8 mm

2500 mm

5,5 kW

Machine description



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Hydraulic 3-roll plate rolling machine WM11 8×2500 mm

Compact, efficient rolling machine for long sheet metal plates

WM11 8×2500 mm to hydrauliczna walcarka 3-rolkowa przeznaczona for precise bending and rolling of sheet metal up to **8 mm** and with a working width of **2500 mm**.

It is an excellent solution for facilities that need to work with longer sheets, but do not require a machine for very thick plates. The three-roll configuration makes it possible to achieve a controlled arc, cylinder or structural segment.

The machine is ideal for manufacturing enclosures, guards, ventilation components, pipe sections, tank shells, and light- to medium-duty steel structures.



Working width

2500 mm



Max. plate thickness

8 mm



Machine power

5,5 kW



Rolling speed

4 m/min

WM11 8×2500 mm is a practical rolling machine for long, thinner sheets.

The hydraulic drive, 3-roll operating system and 2500 mm working width make it easy to perform repeatable sheet metal processing tasks.

Why choose the WM11 hydraulic rolling machine?

3R

3-roll system

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

H



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Hydraulic drive

Smooth operation, good process control and convenient handling when rolling sheets.

8

For plates up to 8 mm

Machine designed for rolling sheet metal up to 8 mm thick.

2,5M

2500 mm width

The long working width allows operation on large sheet metal plates.

☒

Various radii

Roll adjustment enables different bending radii to be achieved.

☒

Workshop and production work

The robust design is suitable for workshops, metalworking shops and production facilities.

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 give it the required shape. The two lower rolls guide the sheet, while the upper roll provides pressure and forms the radius.

1

Material support

The lower rolls stabilise the sheet metal and keep it on the correct path while it passes through the machine.

2



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Hydraulic forming

The hydraulic system supports smooth operation and enables the required radius to be applied to the sheet in a controlled manner.

3

Repeatable rolling

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

Various types and variants of rolling machines available

The choice of rolling machine depends on plate thickness, working width, production type and expected accuracy. Variants for thinner and thicker plates, with different working lengths and operating configurations, are available.

3 rolls

3-roll plate rolling machines

A versatile solution for rolling sheet metal into cylinders, pipes, arcs and segments.

4 rolls

4-roll plate rolling machines

Chosen for more demanding applications where automation and repeatability are important.

Width

Different working lengths

Machines can be selected according to sheet width: from workshop models to versions for large formats.

Thickness

Different bending ranges

Models for thinner plates and heavier versions for work with thicker material are available.



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What can you use a hydraulic rolling machine for?

The WM11 8×2500 mm hydraulic rolling machine is ideal wherever controlled rolling of long sheet metal plates and forming components with a repeatable radius are required.



Production of enclosures and guards

Arcs and cylinders

- Cylindrical and semi-cylindrical enclosures.
- Technical guards and enclosure components.
- Components requiring a repeatable radius.



Metalworking workshops

Sheet metal processing

- Rolling steel sheets.
- Manufacturing arc segments and pipes.
- One-off jobs and short production runs.



Light and medium structures

Steel components

- Ventilation components and ducts.
- Tank shells made from thinner plate.
- Production for service and maintenance departments.

Full technical specification

Model **W11-8x2500**

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

Maximum rolling thickness **8 mm**

Maximum rolling width **2500 mm**

Upper roll diameter **220 mm**

Lower roll diameter **160 mm**

Rolling speed **4 m/min**



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Power**5,5 kW**

Rolling system**3-roll**

Drive**Hydraulic**

Function**Bending and rolling sheet metal plates, also with a pre-bending function**

Applications**Enclosures, guards, pipes, tanks, steel and structural components**