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### Hydraulic 3-roll plate rolling machine WM11S 12×2000 mm





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12 mm  
2000 mm  
Pre-bending  
Machine description



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### Hydraulic 3-roll plate rolling machine WM11S 12×2000 mm

Version with plate pre-bending capability

**WM11S 12×2000 mm** is a professional hydraulic 3-roll plate rolling machine designed for precise bending and rolling of sheet metal into cylindrical, conical and curved components.

The **WM11S** version has been designed for intensive work in the metalworking industry. Its robust construction, three-roll working system and hydraulic control ensure a stable rolling process and high repeatability of parts.

The key advantage of this version is its **pre-bending** capability. It makes it easier to reduce straight sections at the sheet ends and prepare the workpiece for more accurate closing into a cylinder.

✉

Working width

2000 mm

✉

Max. plate thickness

12 mm

✉

Pre-bending

Pre-bending

3R

Working system

3 hydraulic rolls

**WM11S 12×2000 mm offers greater rolling comfort and better control of the bending start.**

The pre-bending function helps reduce flat zones at the sheet edges and makes it easier to achieve a more precise workpiece shape.

### Why choose the WM11S hydraulic plate rolling machine?

3R

#### 3-roll system

Even sheet guidance and stable forming of cylinders, cones and curves.

✉



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### **Pre-bending**

Pre-bending capability helps reduce straight sections at the sheet ends.

12

### **For plates up to 12 mm**

Machine designed for rolling plates up to 12 mm thick.

2M

### **2000 mm width**

Working width suitable for workshops, production facilities and steel structures.

☒

### **Various radii**

Roll adjustment enables different bending radii to be achieved.

☒

### **Industrial work**

Robust construction and hydraulic system designed for regular work with sheet metal.

Operating principle

### **What distinguishes the WM11S version?**

WM11S retains the advantages of a classic 3-roll plate rolling machine while adding an important function: pre-bending the sheet edges. This is important for producing cylinders, tank shells and components that need to be closed as accurately as possible after rolling.

1

### **Sheet positioning**

The sheet is fed between the rolls, which guide the material and prepare it for controlled bending.

2



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### **Pre-bending**

The pre-bending function allows bending to begin closer to the edge, making it easier to close the cylinder later.

3

### **Main rolling process**

The material passes through the rolls until the desired radius, curve or cylinder is achieved.

### **WM11 or WM11S – when should you choose the pre-bending version?**

A standard 3-roll plate rolling machine performs well in many sheet-metal bending tasks. The **WM11S** version is the better choice when you need greater control of the bending start and reduced straight sections at the workpiece ends.

Pre-bending

#### **Fewer straight ends**

Pre-bending better prepares the sheet edges before the main rolling process.

Accuracy

#### **Better cylinder closing**

Especially useful for tank shells, pipes and cylindrical components.

Production

#### **Higher repeatability**

A controlled bending start helps maintain quality in production batches.

Flexibility

#### **Broader application**

A good option for facilities producing different types of sheet-metal components.



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### What can you use the WM11S rolling machine for?

The WM11S 12×2000 mm hydraulic rolling machine is ideal wherever precise sheet rolling and controlled forming of components with repeatable radii are required.



#### Tank production

Shells and cylinders

- Tank shells and cylindrical enclosures.
- Components requiring more accurate closing.
- Workpieces with reduced straight ends.



#### Workshops and metalworking shops

Sheet-metal processing

- Rolling steel sheets.
- Making guards, enclosures and curved segments.
- One-off work and short production runs.



#### Steel structures

Technical components

- Curves, gutters, segments and load-bearing components.
- Parts for machines, installations and enclosures.
- Production for industry and maintenance departments.

### Full technical specifications

Model / index **WM11S -12x2000**

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

Maximum rolled plate thickness **12 mm**

Working width **2000 mm**

Rolling system **3-roll**

Drive **Hydraulic**

Pre-bending **Yes, pre-bending function**



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Possible shapes **Cylinders, cones, curves and sheet-metal segments**

Applications **Tanks, pipes, enclosures, steel and structural components**