

Two-Roll Vertical Straightening Machine

This two-roll vertical straightening machine is composed of a straightening unit and a feeder system. It is equipped with electric control, hydraulic, pneumatic, and lubrication devices.



Product Overview

Precision Two-Roll Straightening

The SMV2 Series is a high-performance two-roll straightening machine designed for bars, tubes, and sections. By utilizing a convex-concave roll design, it achieves superior line-contact straightening and tumbling. The system incorporates constant-pressure load control to reduce head-tail necking and protect equipment, ensuring high quality and consistent performance in demanding industrial environments.

Operational Specifications

Performance Metrics

1100 N/mm²

Max Yield Strength

0.3 mm/m

Straightening Precision

0.4 Ra

Roughness After Tumbling

Technical Specifications

Available Machine Variants

Bar Diameter	Straightening Speed	Motor Power
3-15 mm	5-30 m/min	15*2 KW
8-40 mm	5-30 m/min	37*2 KW
12-60 mm	5-30 m/min	55*2 KW
15-80 mm	5-30 m/min	75*2 KW
30-100 mm	5-30 m/min	110*2 KW
50-150 mm	5-20 m/min	180*2 KW
80-200 mm	5-20 m/min	400*2 KW
130-250 mm	5-20 m/min	480*2 KW

Key Features

Feature Highlights

- Electric adjustment with digital display for roll clearance
- Hydraulic system with ram pump and overload unloading
- Anti-scratch feeder system
- Plate-dragging charging basket for noise reduction
- Constant-pressure load control system