

Vertical Metal Bar Straightening Machine

This vertical straightening machine utilizes multiple skew rolls, typically seven, to correct bends in metal bars. It includes a straightening machine and feeder system, along with electric control, hydraulic, pneumatic, and lubrication devices.



Overview

High-Precision Industrial Straightening

The SMV7 Series Vertical Metal Bar Straightening Machine utilizes an optimized quasi-double curve rolling system to deliver superior straightening precision for various metal profiles. Engineered with flexible, load-controllable rolls, the machine protects mechanical components while maximizing efficiency across a wide range of bar diameters. With advanced Siemens digital drive controls and integrated PLC-based automation, it offers seamless operation for high-capacity industrial metal fabrication environments.

Technical Specifications

Performance Metrics

1100 N/mm²

Max Yield Strength

1 mm/m

Straightening Precision

Model Specifications

Bar Diameter (mm)	Speed (m/min)	Motor Power (KW)
6-20	10-60	30*2
12-60	10-75	75*2
20-80	10-75	90*2
30-100	10-75	132*2
50-150	10-60	230*2
80-200	10-60	480*2
130-250	10-45	520*2

Control Systems

System Integration

PLC System, PROFIBUS-DP, HMI Interface, Full-digital Drive, AGC Control