

# Two-Roll Vertical Bar Straightening Machine

This device is a two-roll vertical straightening machine, mainly comprised of straightening machine and feeder system, and equipped with the corresponding electric control, hydraulic, pneumatic and lubricative devices.



## Product Overview

### Professional Two-Roll Bar Straightening Solution

The SMV2 series is a high-performance two-roll vertical straightening machine engineered for precise bar, tube, section, wire, and plate processing. It utilizes a convex-concave roll design with a constant-pressure load control system to minimize necking while maintaining high straightness accuracy. With electric roll clearance adjustment, digital displays, and integrated hydraulic systems, this machine offers exceptional reliability and ease of operation for demanding industrial metalworking environments.

## Performance Specifications

### Key Performance Metrics

**1100 N/mm<sup>2</sup>**

Max Yield Strength

**0.3 mm/m**

Straightening Precision

**0.4 Ra**

Tumbling Surface Roughness

## Technical Data

### Available Model Configurations

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

## Features

### Core Features

- Convex-concave roll design for full-range straightening and tumbling
- Constant-pressure load control to prevent mechanical equipment damage
- Electric roll clearance adjustment with digital display readout
- Integrated hydraulic station with ram pump power source
- Anti-scratch feeder system with noise-reducing material handling