

Asymmetrical 3-Roller Metal Sheet Rolling Machine

This 3-roller mechanical asymmetrical rolling machine is designed for shaping metal sheets and plates. The asymmetrical arrangement allows for pre-bending and precise control over the curvature.



Overview

High-Precision Asymmetrical Rolling

This 3-roller metal sheet rolling machine features an asymmetrical structure designed for efficient plate clamping and precise pre-bending. The upper roller serves as the main drive, while the vertical movement of the lower roller ensures secure material handling. With its compact design and intuitive operation, it is an ideal solution for industrial metal forming and repeatable curvature control.

Mechanical Structure

Roller Configuration

3 pcs

Total Rollers

Drive System	Symmetrical structure with upper roller main drive and gear engagement
Clamping Mechanism	Lower roller vertical movement for tight plate clamping

Functional Capabilities

Core Functions

- Preliminary bending
- Precision rolling
- Plate material clamping
- Elevating side roller movement

Operational Advantages	Compact Structure, Convenient Operation, Easy Maintenance, Heavy-Duty Construction
------------------------	--

Control & Safety

Control System	Vertical stand-mounted control panel for roller adjustment and machine operation
Safety Housing	Enclosed electrical components and safety mechanisms