

Metal Plate Bending Roller

This plate rolling machine is designed for forming metal plates into cylindrical or conical shapes. It features three heavy-duty rollers arranged in a pyramid or linear configuration, allowing for precise control over the bending process.



ADDITIONAL IMAGES



Overview

High-Performance Plate Rolling Solution

This industrial-grade plate rolling machine is designed for efficient, high-precision metal forming. It features advanced hydraulic transmission for both vertical and horizontal roller movement, allowing for pre-bending and roll forming in a single pass without the need to turn the plate. With PLC control and automatic leveling, it offers exceptional accuracy and reliability for heavy-duty fabrication tasks.

Technical Specifications

Key Performance Metrics

50 mm

Max Rolling Thickness

40 mm

Max Prebending Thickness

3000 mm

Max Rolling Length

4 m/min

Rolling Speed

Roller Dimensions

Component	Dimension
Top Roll Diameter	600 mm
Bottom Roll Diameter	340 mm
Center Distance (Bottom Rollers)	610 mm

Power Specifications

- Main Motor: 55 kW
- Hydraulic Motor: 22 kW
- Movable Motor: 11 kW

Features

Material Construction

- 42CrMo hardened upper roll
- ASTM 1045 hardened lower roll

Optional Add-ons

Conical Bending Device

Core Capabilities

Pre-bending Function, Hydraulic Transmission, PLC Control, Automatic Leveling, Hydraulic Drop-end, Safety Interlock