

Plate Rolling Machine for Metal Forming

This heavy-duty plate rolling machine is designed for forming metal plates into cylindrical or conical shapes. It features a robust steel frame, multiple powered rollers, and hydraulic adjustments for precise control.



Overview

Precision Metal Forming Capability

This heavy-duty plate rolling machine is engineered for high-precision forming of metal plates into cylindrical or conical shapes. It utilizes a sophisticated hydraulic system for vertical elevation of the upper roller, combined with horizontal shifting capabilities to ensure accurate bending. Designed for industrial applications like tank construction and pressure vessel manufacturing, the machine features a drum-shaped upper roller to enhance product straightness and support rollers for optimal adjustment.

Technical Specifications

Roller Configuration

- Hydraulic vertical elevation for upper roller
- Horizontal shift mechanism via lead screw and worm drive
- Rotational lower roller providing bending torque
- Adjustable support rollers on lower side

Design Features

Drum-shaped upper roller, Hydraulic drive, Lead screw adjustment, Worm gear drive

Applications

Suitable Applications

Cylinder body bending • Tank construction • Pressure vessel manufacturing • Structural fabrication