

Hydraulic Plate Rolling Machine

This rolling machine features three driven rolls, with hydraulic pressure controlling the upper roll's vertical movement and the lower rolls' horizontal movement. Computer-controlled synchronization ensures precision of $\pm 0.15\text{mm}$, making it suitable for both cool and hot rolling.



Product Overview

W11XNC Series Horizontal Down Regulation Rolling Machine

The W11XNC series is a high-precision hydraulic plate rolling machine engineered for both hot and cold metal forming. Featuring a robust three-roll drive system, all rolls are powered to ensure uniform material handling and consistent results. Its compact structure and computer-controlled synchronization provide exceptional accuracy of $\pm 0.15\text{mm}$, making it an ideal solution for manufacturing pressure vessels, pipes, and complex cylindrical components.

Key Performance Metrics

Operational Performance

45 mm

Max Rolling Thickness

40 mm

Max Preflex Thickness

4000 mm

Max Rolling Width

Technical Specifications

Model Parameters Comparison

Model	Roll Thick (mm)	Roll Width (mm)	Motor Power (Kw)
W11XNC-35x3000	35	3000	45
W11XNC-40x2500	40	2500	45
W11XNC-40x3000	40	3000	55
W11XNC-40x4000	40	4000	55
W11XNC-45x3000	45	3000	55
W11XNC-45x4000	45	4000	75

Design & Control

- Three-roll independent drive system
- Hydraulic pressure control for up-down and horizontal motion
- Computerized synchronization with $\pm 0.15\text{mm}$ precision
- Underneath-style master cylinder
- Suitable for both hot and cold rolling applications

Application Compatibility

Pressure Vessels • Pipe Manufacturing • Cylindrical Components • Conical Forming