

# Cold Rolling Mill with Digital DC Converter

This rolling mill features a reversible drive system for the main rolling mill and coiling machine. It adopts DC motor rotation and includes an electrical overload protection system.



## Overview

### High-Precision Cold Rolling Mill

This industrial cold rolling mill is engineered for high-precision metal processing, featuring an advanced digital DC converter for superior control. Designed for reversing rolling operations, it optimizes the use of roll materials and extends the service life of backup roll bearings. The system significantly reduces idle time, enhancing overall production efficiency for high-quality metal strip manufacturing.

## Performance Metrics

### Maximum Rolling Force

**12000 KN**

Rolling Force

### Line Speed

Material Type	Max Speed
Stainless Steel	360 m/min
Carbon Steel	600 m/min

### Production Capacity

80000 tons/year

## Technical Specifications

### Thickness Range

- Input: 1.8 - 4.0 mm
- Output: 0.2 - 1.2 mm

### Coil Specifications

- Coil ID: 610 mm
- Coil OD: 800 - 2100 mm
- Max Coil Weight: 25 Tons

### Compatible Materials

200 Series Stainless, 300 Series Stainless, 400 Series Stainless, Q195, Q215, Q235, 08Al, 20 Steel, Low-alloy Steel, SPHC, SPHD, SPHE