

6-Hi Reversing Cold Rolling Mill

This 6-Hi reversing cold rolling mill utilizes full hydraulic screw-up and AGC auto-control for precision. Work roll bending and middle roll traversing are matched with sectional cooling for optimal plate shape, while fault self-diagnosis and auto-protection enhance operational reliability.



Product Overview

High-Precision Rolling Performance

The 6-Hi Reversing Cold Rolling Mill is engineered for the precise reduction of hot-rolled strips, transforming them into high-quality cold-rolled coils with specific thickness and surface requirements. Utilizing a sophisticated six-roll configuration, this mill offers superior control over strip flatness and thickness tolerances. Its reversing capability enhances operational efficiency by allowing multiple rolling passes without reorienting the material, making it an ideal solution for processing carbon and low-alloy steels.

Technical Specifications

Rolling Performance Metrics

16000 KN

Max Rolling Force

1200 m/min

Max Line Speed

Thickness Range

Input Thickness	Output Thickness
1.8 ~ 3.5 mm	0.16 ~ 1.2 mm

Coil Handling

- Coil ID: 508 mm
- Coil OD: 900 ~ 2000 mm
- Max Coil Weight: 25 Tons

Compatible Materials

Q195, Q215, Q235, 08Al, 20, Low-alloy steel, SPHC, SPHD, SPHE

Machine Features

Automation & Control

Full Hydraulic Screw-up • AGC Auto-Control • Fault Self-Diagnose • Broken Strip Auto-Protection

Roll Adjustment Capabilities

- Work roll positive/negative bending
- Middle roll positive bending
- Middle roll traversing pre-set
- Rolls sectional cooling