

Electrolytic Degreasing Line for Steel Strips

This line employs lye spray, lye scrubbing, and electrolytic cleaning for cleaning strip steel. A three-stage scrubbing rinse removes residual lye, ensuring the finished strip's cleanliness.



Overview

High-Efficiency Electrolytic Degreasing Line

This electrolytic degreasing line is engineered for the precision cleaning of low-carbon steel strips, effectively removing surface oil films to produce high-quality cold-rolled strips. Utilizing an advanced cleaning process that combines alkali liquid spraying, brushing, and electrolytic cleaning, the system ensures superior surface purity. It is designed for heavy-duty industrial performance, maintaining strict residual iron and oil standards for optimal downstream processing.

Technical Capabilities

Maximum Line Speed	350 m/min
Electrolytic Voltage Options	36V, 42V, 48V
Electrolytic Rectifier Capacity	DC5000A, DC6500A, DC8000A

Substrate Specifications

Thickness Range

0.2 mm

Min Thickness

1.2 mm

Max Thickness

Width Range

600 mm

Min Width

1250 mm

Max Width

Compatible Raw Materials

CR, 08Al, SPHC, SPHD, SPHE

Cleaning Performance

Surface Cleaning Standards

Metric	Before Cleaning	After Cleaning
Residual Iron	d 150g/m ²	d 5-8g/m ²
Residual Oil	d 300g/m ²	d 10-15g/m ²

System Configuration

Cleaning Methods Used

- Alkali liquid spraying
- Alkali liquid brushing
- Electrolytic cleaning
- Three-stage brushing and rinsing

Electrolytic Configuration

Horizontal / Vertical