

Metal Coil Cut-to-Length Line

This cut-to-length line processes metal coils into specific sheet lengths. It uncoils, levels, cuts, and stacks metal sheets for use in manufacturing, construction, and automotive industries.



ADDITIONAL IMAGES



Overview

High-Precision Metal Processing

This Metal Coil Cut-to-Length Line is a comprehensive solution for processing metal coils into precise sheets or blanks. The system integrates uncoiling, leveling, high-speed servo feeding, and automatic shearing to ensure high throughput and consistent quality. Designed for industrial applications like manufacturing and automotive, it features advanced PLC controls and a pneumatic stacking system for efficient material handling.

Performance Metrics

Key Performance Metrics

15 Tons

Max Coil Capacity

21 pcs

Total Rollers

7.5 kW

Servo Motor Power

Decoiling System

Entry Coil Car Capacity	15 Tons
Inner Diameter Range	Æ500mm

Straightening & Leveling

Leveling Roller Configuration

Component	Specification
Leveling Rollers	15 units
Supporting Rollers	3 groups
Pinch Rollers	2 units
Roller Diameter	84 mm
Roller Distance	90 mm

Surface Protection

All rollers are leather plated to protect stainless steel surfaces from wear.

Control & Feeding

Control Technology

PLC Controlled, Servo Motor Drive, Magic Eye Buffer Control, Frequency Control

Shearing System

Blade Material

Cr12MoV

Shearing Method

Hydraulic bottom-to-top cut with automatic PLC synchronization.

Output Specifications

Finished Sheet Dimensions

Dimension	Range
Length	500 - 4000 mm (Customizable)
Width	500 - 1600 mm

Stacking & Handling

Stacking System Features

- Pneumatic piling device
- PLC controlled lifting table
- Three 0.75kw motors for width/length adjustment
- Skid-proof and wearable transportation belt
- 2.2KW frequency control motor for line speed synchronization