

# 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	Æ50@mm

## 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