

Metal Sheet Cut-to-Length Line

This industrial cut-to-length line is designed for processing metal sheets using automated decoiling, leveling, cutting, and stacking operations. The system incorporates a control panel, hydraulic components, and conveyor mechanisms to ensure high-precision cutting and efficient material handling.



Overview

High-Precision Metal Sheet Processing

This automated production line is designed for processing metal coils through uncoiling, leveling, and high-accuracy cutting to length. It transforms raw coils into flattened plates of specific dimensions using a sophisticated system that includes a servo-driven mechanism and advanced stacking. Ideal for industrial metalworking, it ensures consistent quality and efficiency across various material thicknesses and widths.

Key Performance Metrics

Performance Highlights

35 pcs/min

Leveling Speed

0.3 mm

Min Thickness

1 T

Max Coil Weight

Technical Specifications

Model Specifications Table

Parameter	T44QK-2*1300	T44QK-2*1600	T44QK-3*1300	T44QK-3*1600
Coil Thickness (mm)	0.3-2	0.3-2	0.3-3	0.3-3
Coil Width (mm)	800-1300	800-1600	800-1300	800-1600
Cutting Length Range (mm)	10.0-9999	10.0-9999	10.0-9999	10.0-9999
Stacking Length (mm)	300-4000	300-4000	300-4000	300-4000
Cutting Precision (mm)	±0.3	±0.3	±0.5	±0.5
Leveling Precision (mm/m ²)	1-2	1-2	1-2	1-2

System Components

Machine Composition

- Coil Car
- Double Support Uncoiler
- Pre-Leveler
- Finish-Leveler
- Length Gauge
- Cut-to-Length Machine
- Stacker
- Servo Driven System
- Pendulum Middle Bridge
- Pressing and Guiding Device
- Steering Device

Operational Capabilities

Drive Type

Servo Driven

Core Processes

Uncoiling, Leveling, Cutting to Length, Stacking, Flattening