

# 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 <sup>2</sup> ) | 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