

HIGH-PRECISION INDUSTRIAL COIL SHEET PROCESSING MACHINE

Advanced Coil-to-Sheet Processing Solution for Fast, Accurate and Reliable Production

Product Overview

This high-precision industrial machine is engineered to transform metal coils into flat, dimensionally accurate sheets with exceptional speed and reliability. It combines a heavy-duty decoiler, precision leveling unit and high-speed shear to deliver smooth, flat sheets with clean, burr-free cuts. The integrated PLC control system supports accurate length control, batch programming and efficient automated production.

Key Performance Features

Feature	Specification
Material Compatibility	Cold rolled steel, stainless steel, aluminum and galvanized coils
Thickness Range	0.5 mm to 6.0 mm
Cutting Precision	Length tolerance within 0.5 mm
Production Speed	Variable speed up to 40 meters per minute
Control System	Advanced PLC-based digital control
Automation	Batch programming and automated stacking
Decoiler	Heavy-duty coil decoiling system
Leveling Unit	Precision leveling for flat, stress-reduced sheets
Shearing System	High-speed shear for clean and burr-free cuts

Main Advantages

- High-speed coil-to-sheet production
- Accurate sheet length control
- Consistent leveling and flatness
- Clean and burr-free shearing
- Flexible processing of multiple metal materials
- Easy digital operation and batch programming
- Automated stacking for improved productivity

Typical Applications

Suitable for metal service centers, fabrication units, sheet-metal manufacturers, automotive component production, construction equipment manufacturing, appliance industries and other applications requiring

accurately cut flat metal sheets.

Machine Highlights

The machine is designed for demanding industrial environments where productivity, repeatability and dimensional accuracy are essential. Its combination of robust coil handling, precision leveling, high-speed shearing and PLC automation provides an efficient solution for continuous sheet processing.

Note: Actual production capacity may vary depending on material grade, coil width, thickness, sheet length and operating conditions.