

Step Tile Roof Roll Forming Machine

The step tile roof roll forming machine produces roofing sheets with precision. Metal sheets are shaped through a series of rollers to achieve the desired tile profile.



ADDITIONAL IMAGES



Overview

High-Efficiency Step Tile Roofing Production

This industrial roll forming machine is engineered for the precise and automated production of step tile roofing sheets. It integrates advanced hydraulic decoiling, servo-driven length control, and robust roll forming stations to ensure consistent profile strength and material efficiency. Designed for high-volume manufacturing, the system handles various metal coils, including PPGI and embossed aluminum, providing a reliable solution for modern roofing fabrication.

Technical Parameters

Material Dimensions

- 914
- 1000
- 1220
- 1250

Compatible Materials

PPGI Coil, Embossed Aluminium Coil

Processing Thickness

0.40 - 0.80 mm

Performance Metrics

Key Performance Metrics

10 tons

Decoiler Capacity

10 tons

Step Forming Pressure

10 m/min

Max Forming Speed

Forming Station Configuration

Component	Specification
Roller Stations	18 - 24
Main Shaft Diameter	80 mm
Sidewall Thickness	22 - 25 mm
Forming Motor	5 kW Servo

Control & Automation

Control System Features

PLC Controller • 5.7-inch Touchscreen • Servo-Motor Length Control • Frequency Converter • Hydraulic Decoiler