

Double Layer Roof Tile Roll Forming Machine

This double layer roof tile roll forming machine produces roof tiles with two different profiles simultaneously. It shapes metal sheets into durable roof tiles with consistent quality.



ADDITIONAL IMAGES



Overview



High-precision roll forming machine designed for efficient double-layer roof tile production.

Versatile Double-Layer Production

This double-layer roof tile roll forming machine is engineered for high-efficiency production, capable of manufacturing two different profiles within a single production line. Built with a robust H-steel frame and precision-engineered rollers, it offers a stable and durable solution for large-scale manufacturing. The integrated PLC automated control system ensures consistent quality and precise shaping for various metal materials including galvanized steel and aluminum.

Technical Capabilities



Robust roll forming system ensures accurate shaping and consistent tile profiles.

Compatible Materials	Color steel plate, Galvanized sheet, Aluminum coils, Pre-painted steel
Feeding Material Width	1250 mm
Material Thickness Range	0.3 - 0.8mm

Performance Metrics

Performance Highlights

12 m/min

Max Productivity

1 ±mm

Cutting Tolerance

18 Rows

Roller Stations

Construction Details



Precision hydraulic components for clean and accurate cutting of finished tiles.

Build Specifications

Component	Material/Specification
Main Frame Body	H-Steel Construction
Roller Material	45# Steel
Control System	PLC (Programmable Logic Controller)
Cutting System	Hydraulic Cutting

Operation & Control



Integrated automated control system with emergency stop and manual overrides.

Control System Features

- Automated PLC operation
- Emergency stop safety button
- Forward and reverse manual controls
- Pump start/stop interface
- Digital display screen for parameter adjustment

System Components



The dual-layer design enables the production of two different tile profiles on one machine.

Standard Modules

- Decoiler unit
- Feeding mechanism
- Double-layer roll forming stations
- Hydraulic cutting unit
- Run-out collection table

Power Requirements

Electrical Requirements

380V, 50Hz, 3-Phase