

# Double Layer Metal Roofing Tile Roll Forming Machine

This double layer roll forming machine efficiently produces color steel tiles. It forms two different tile profiles simultaneously, increasing productivity.



## ADDITIONAL IMAGES



## Product Overview



Complete double-layer roll forming line featuring robust steel frame and integrated hydraulic systems.



The machine produces high-quality, durable color steel roofing tiles with precise profiles.

### High-Efficiency Double Layer Roll Forming

This double layer metal roofing tile roll forming machine is engineered for the simultaneous production of two different tile profiles, significantly increasing productivity for B2B manufacturers. It features a robust steel frame construction and an advanced PLC control system for automated, precise operation with minimal material waste. Designed for durability and ease of use, it is an ideal solution for high-volume production of color steel, galvanized, and aluminum roofing and wall cladding panels.

## Technical Performance

### Performance Metrics

**12 m/min**  
Max Speed

**5 T**  
Uncoiler Capacity

**4 kW**  
Hydraulic Power

**5.5 kW**  
Main Motor Power

## Material Specifications

Compatible Materials	Color steel plate, Galvanized sheet, Aluminum coils
Feeding Material Width	914-1250mm
Material Thickness Range	0.3-0.8mm

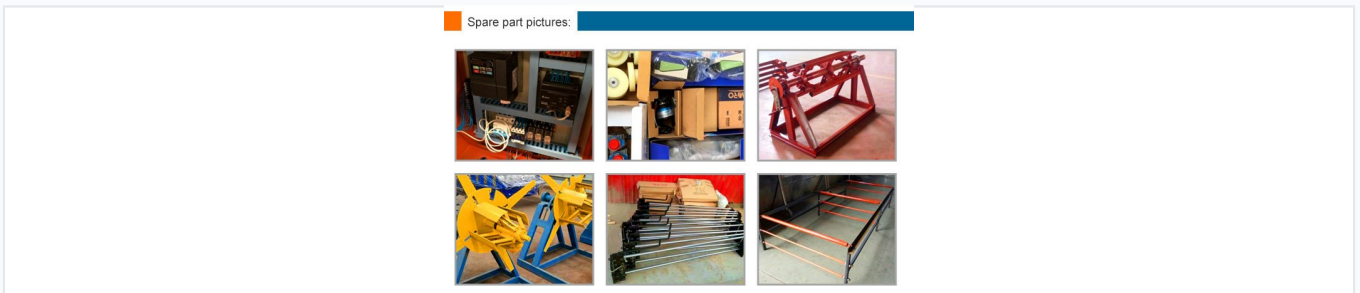
## Forming System



Detailed view of the dual-layer forming stations designed for high-volume production.

Roller Stations	11-18 rows (customizable)
Roller Material	High grade No.45 forged steel
Shaft Diameter	70-80mm

## Control & Cutting



Precision-engineered rollers and cutting mechanisms ensure consistent tile dimensions.

### Control System

- PLC Computer Control Cabinet
- Automatic and Manual modes
- Programmable profile length and quantity
- Multi-language support (English, Chinese, Spanish, Russian)

### Cutting System Details

Component	Specification
Blade Material	Cr12Mov with quenched treatment
Drive Type	Hydraulic
Working Pressure	12-16Mpa (adjustable)
Hydraulic Oil	46#

## Uncoiler Specifications

### Manual Uncoiler Specs

- Inner diameter: 500-508mm
- Maximal outer diameter: 1250mm
- Steel coil width: 1300mm
- Working speed: 0-15m/min adjustable
- Coil placement: Hydraulic hoist

## Service & Warranty

### Quality Standards

ISO 9001 • CE Compliance • Assessed Supplier

Warranty	1 Year
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