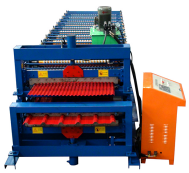
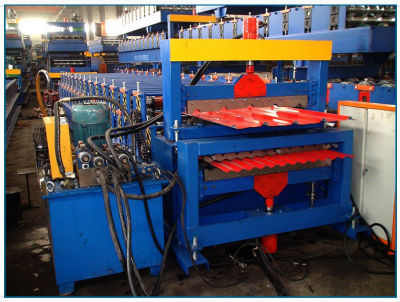
Double Layer Roof Panel Roll Forming Machine

This double layer roof panel roll forming machine creates roof panels with two different profiles in one pass. The machine forms metal sheets into specific shapes, ensuring consistent quality and dimensional accuracy.

ADDITIONAL IMAGES



Overview



The double-decker configuration allows for two different profiles to be produced on the same machine, saving significant floor space.

A robustly constructed machine designed for stability and high-speed production of metal roofing sheets.

High-Efficiency Double Layer Roll Forming

The Double Layer Roof Panel Roll Forming Machine is a versatile B2B solution designed to manufacture two distinct roof profiles within a single compact footprint. This double-decker configuration maximizes workshop space while significantly increasing production output by allowing for the simultaneous or alternative forming of different panel designs. Built with a robust steel frame and precision-engineered rollers, it ensures consistent dimensional accuracy for high-volume roofing applications.

Technical Performance

Key Performance Metrics

15 m/min	5 T	5.5 kW
Max Working Speed	Loading Capacity	Main Motor Power

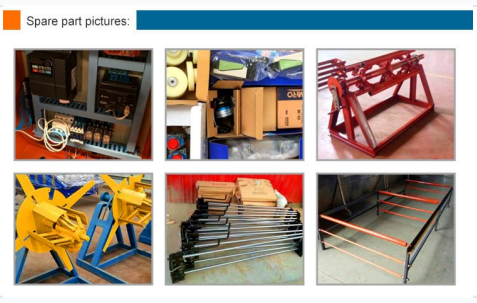
Material Specifications

The machine supports a wide range of profiles including corrugated and trapezoidal designs.

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

Forming System

Precision-engineered rollers and guide rails ensure consistent panel quality across various material thicknesses.



Detailed view of the high-quality components used in the roll forming and cutting systems.

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

Control & Hydraulics

Control System

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

Hydraulic System Details

Feature	Specification
Hydraulic Power	4 kW
Working Pressure	12-16 Mpa (Adjustable)
Oil Type	46# Hydraulic Oil
Cutting Material	Cr12Mov with quenched treatment

Uncoiler Specifications

Manual Uncoiler Data

- Inner Diameter: 500-508 mm
- Max Outer Diameter: 1250 mm
- Max Steel Coil Width: 1300 mm
- Coil Placement: Hydraulic hoist supported

Compliance

Quality Certifications

CE • ISO 9001 • IAF