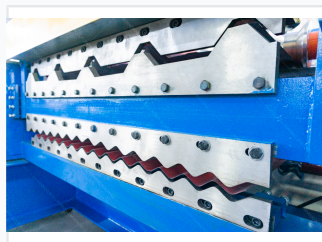


Double Layer Metal Sheet Roll Forming Machine

This double layer roll forming machine forms two sections, optimizing limited site areas. It combines two models of devices into one for efficient product transformation and improved output.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Double Layer Roll Forming

This double layer roll forming machine is designed to maximize production efficiency by combining two forming models into a single, space-saving unit. It allows for rapid product transformation and shorter plate replacement times, significantly improving output rates for wall panels and tiles. Ideal for limited site areas, it provides a versatile and affordable solution for high-volume metal sheet manufacturing.

Key Performance Metrics

Key Performance Metrics

5000 kg

Un-coiler Capacity

5.5 kW

Main Motor Power

4 kW

Hydraulic Power

1220 mm

Max Feeding Width

Main Forming System



Precision-engineered rollers ensure accurate forming of wall panels and tiles.

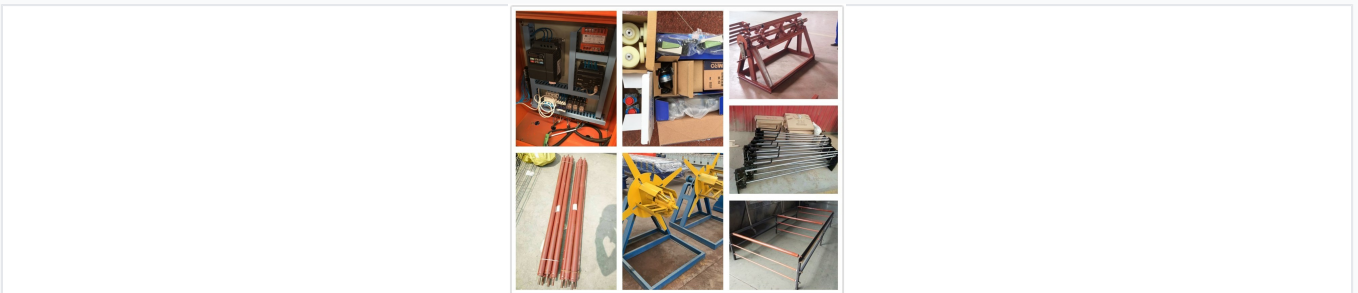


Heavy-duty 360 H steel welded base frame provides stability for high-volume production.

Forming Specifications

| Feature | Specification |
|------------------|----------------------------|
| Product Width | 1000 mm & 1020 mm |
| Sheet Thickness | 0.2 - 1.0 mm |
| Roller Material | C45 Steel |
| Shaft Diameter | 95 mm (Upper & Down) |
| Forming Stations | 12 Stations (Upper & Down) |
| Base Frame | 360 H steel welded |

Processing Workflow

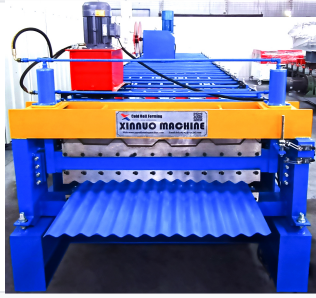


Complete automated production line from decoiler to finished product output.

Production Flow

- Manual decoiler
- Material feeding
- Roll forming
- Length measurement
- Hydraulic cutting
- Finished product output

Hydraulic Cutting System



The hydraulic system controls the cutting process for finished corrugated metal sheets.

Cutting Details

| Component | Details |
|----------------|--------------------------|
| Cutting Method | Pause to cut |
| Blade Material | CR12 with heat treatment |
| Blade Hardness | HRC60-62 |
| Pump Station | 1 set included |

Electrical Control



The dual-layer design allows for efficient production of different panel profiles simultaneously.

| | |
|----------------|--|
| Control System | HMI & PLC Control Panel |
| Power Supply | 440V 50Hz (Customizable per local requirement) |

Material Compatibility

| | |
|----------------------|--|
| Compatible Materials | Galvanized Steel, Aluminum, Pre-painted Steel, Color Steel |
|----------------------|--|

Certifications

Compliance & Quality

ISO 9001:2015 • EN 60204-1:2018 • CE Compliant

Un-coiler & Leveling

| | |
|------------------------|--|
| Inner Diameter of Coil | 400-600 mm |
| Leveling Features | Adjustable width to ensure material level and straightness |