

Metal Ridge Cap Roll Forming Machine

This metal ridge cap roll forming machine shapes metal into ridge caps using a series of rollers and forming stations. It includes a hydraulic cutting system for precise length control and is built with a robust steel frame.



ADDITIONAL IMAGES



Overview

High-Efficiency Ridge Cap Production

This ridge cap roll forming machine is engineered for cost-effective, smooth, and low-noise operation, making it an ideal solution for high-volume roofing component manufacturing. Utilizing precision roller design software and high-grade heat-treated materials, the machine ensures consistent quality and durability. It features a fully automated workflow from decoiling to hydraulic cutting, providing a reliable and streamlined production process.

Technical Performance

Key Performance Metrics

15 kw Total Main Power	14 m/min Max Forming Speed	10 MPa Oil Pump Pressure
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Forming Speed Range	3-14 meters/minute
Forming Machine Power	4 kw

Material & Capacity

Material Specifications

Parameter	Value
Material Type	Color Plate
Thickness	0.3 - 0.6 mm
Width	312 mm

Machine Construction

Roller Specifications	13-15 rollers, Cr40 material with HRC 60-62 heat treatment
Diameter of Axis	60 mm

Electrical & Power

Power Supply	3 Phase 4 Lines AC380V 50HZ
Control System Components	PLC, Electrical Accessories

Workflow

Production Workflow

- Material Coil
- Material Decoiling
- Material Feeding
- Roll Forming
- Hydraulic Cutting
- Run-out Table