

Automatic C Z U Purlin Roll Forming Machine

This automatic roll forming machine produces C, Z, and U shaped purlins from cold steel profiles. It is engineered for precision and efficiency in manufacturing consistent structural purlins.



ADDITIONAL IMAGES



Overview



Complete automated production line featuring high-precision forming and integrated cutting.

High-Efficiency C/Z/U Purlin Production

This automatic cold steel profile roll forming machine is a versatile solution for manufacturing C, Z, and U-shaped structural purlins with high precision. Engineered for industrial-scale production, it integrates multiple forming stations and an automated cutting system to ensure consistent profile accuracy and dimensional stability. Ideal for construction and roofing applications, this machine minimizes manual intervention while maximizing throughput and material efficiency.

Rolling Forming System



Detailed view of the 18-group roller system designed for C, Z, and U profiles.



Adjustable components allow for various purlin sizes and thicknesses within the same line.

Forming Performance

15 KW

Motor Power

14.8 m/min

Max Forming Speed

18 Groups

Roller Groups

Main Motor Type

Phase asynchronous motor

Speed of Forming

10-14.8m/min

Material Specifications

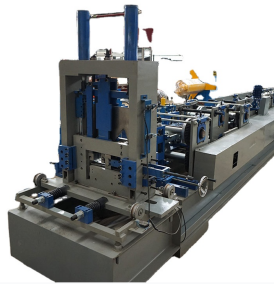
Roller Material

GCr15

Main Shaft Details

- Material: 40Cr
- High frequency grinding & heat treatment
- Chromed surface finish
- Diameter: 70mm

Hydraulic System



Integrated 5.5KW hydraulic system for precise pre-forming punching and cutting.

Punching & Cutting Specifications

Feature	Specification
Punching Type	Hydraulic Punching
Cutting Type	Hydraulic Cutting
Cutting Material	Cr12
Hydraulic Power	5.5KW

Process Sequence

Punching and cutting are performed before roll forming

Capabilities



The machine is optimized for consistent U-structural purlin manufacturing with minimal waste.

Supported Profiles

C Purlin, Z Purlin, U Purlin, Structural Steel

Service & Warranty

Warranty Period

1 Year

Production Capacity

40,000 square meter workshop for roll forming products