

C and Z Purlin Roll Forming Machine

This machine is designed for the efficient production of C and Z section purlins. It utilizes a cold rolling process to shape metal into the desired purlin profiles.



ADDITIONAL IMAGES



Product Overview



High-Efficiency C & Z Purlin Production

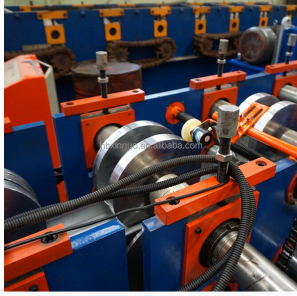
This versatile roll forming machine is designed for the high-precision manufacturing of C and Z section purlins used in industrial workshops, warehouses, and high-rise construction. It utilizes a cold rolling process with 18 roller stations to shape metal sheets with thicknesses ranging from 1.5mm to 3.0mm. Equipped with an advanced PLC control system and hydraulic cutting, it allows for quick size adjustments and consistent output for structural steel applications.

Performance Metrics

Key Performance Metrics

24 m/min Max Forming Speed	22 kW Total Power	3 mm Max Material Thickness	300 mm Max Purlin Width
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Technical Specifications



Technical Details

Feature	Specification
Main Frame	400mm H-Beam
Roller Material	High grade Gcr15 forged steel
Roller Stations	18 rows
Cutting Material	Cr12Mov with quenched treatment
Hydraulic Pressure	12-16Mpa (adjustable)
Power Supply	380V, 3-Phase, 50Hz

Control & Operation



Control System Features

- PLC Computer Control System
- Inverter and Encoder integration
- Touch Screen Interface
- Multi-language support (English, Chinese, Spanish, Russian)
- Automatic and Manual operation modes
- Programmable profile length and quantity settings

Machine Configuration



Standard Components

Manual Uncoiler, Guiding Platform, 9 Shaft Strip Leveler, Main Forming Machine, Hydraulic Motor, Pre-Punching Device, Pre-Cutting Device, Hydraulic Station, Supporter Table

Material Handling



Uncoiler Specifications

Parameter	Value
Loading Capacity	5 Tons
Inner Diameter	500-508mm
Steel Coil Width	600mm

Structural Integrity



Build Quality

H-Steel Main Body • Quenched Cutting Blades • Forged Steel Rollers • Welded Steel Framework