

# 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

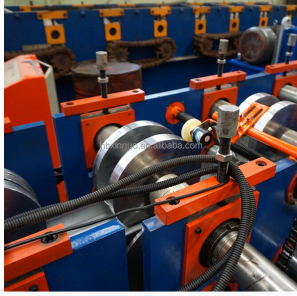
This versatile roll forming machine is designed for the high-precision manufacturing of C and Z section purlins used in industrial workshops, warehouses, and high-rise construction. It utilizes a cold rolling process with 18 roller stations to shape metal sheets with thicknesses ranging from 1.5mm to 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

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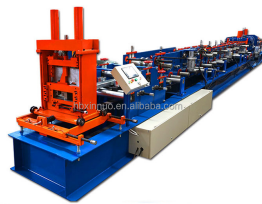
## Technical Specifications



### 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