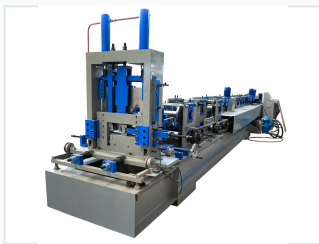
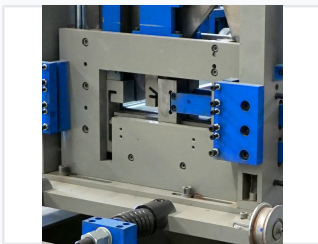


CZ Purlin Roll Forming Machine

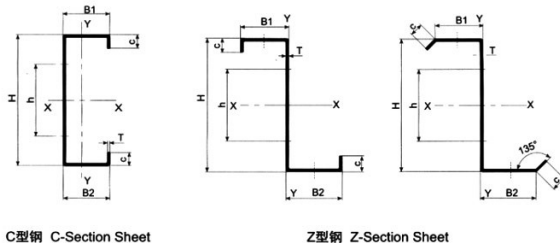
This roll forming machine produces both C and Z shaped purlins from sheet metal. It utilizes a hydraulic cutting system and a series of forming rollers to gradually shape the metal.



ADDITIONAL IMAGES



Overview



Cross-sectional diagrams showing the dimensions and geometry of the C and Z purlins produced by the machine.

Versatile CZ Purlin Production

This fully automatic roll forming machine is designed for the high-efficiency production of both C and Z shaped purlins used in industrial and civil construction. It features a quick-change system that allows for size adjustments from 80mm to 300mm without changing moulds. Built on a heavy-duty 400mm H-beam main frame, the system ensures durability and precision for large-scale manufacturing environments.

Key Performance Metrics

Performance Metrics

22 kW

Total Power

24 m/min

Max Forming Speed

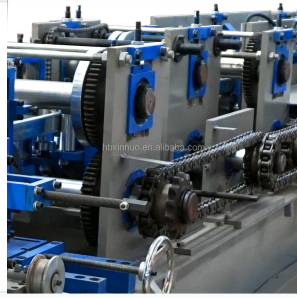
18 stands

Roller Stations

5 T

Uncoiler Capacity

Technical Specifications



The synchronized chain drive system ensures consistent rotation and precise shaping of the metal sheets.

| | |
|----------------------------|---------------------|
| Forming Speed | 12-24 m/min |
| Feeding Material Thickness | 1.5-3.0 mm |
| Power Supply | 380V, 3-Phase, 50Hz |
| Hydraulic Working Pressure | 12-16 Mpa |

System Components



The complete production line from feeding to the final receiving table.

Standard Configurations

- Manual Uncoiler (5T Capacity)
- 9 Shaft Strip Leveler
- Pre-Punching Device
- Pre-Cutting Device
- Hydraulic Station
- PLC Control System
- Supporter/Receiving Table

Control System



Automated production line featuring multiple forming stations for high-volume purlin manufacturing.

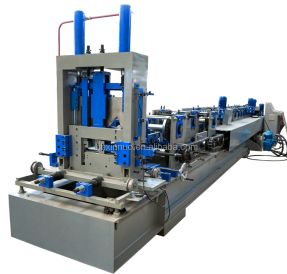
Interface Languages

English • Chinese • Spanish • Russian

Control Interface

PLC, Inverter, Encoder, Touch Screen, Automatic Mode, Manual Mode

Material & Build



Detailed view of the 18 roller stations and hydraulic system integrated into the heavy-duty frame.

Roller Material

High grade Gcr15 forged steel

Cutter Blade Material

Cr12Mov with quenched treatment

Main Frame Construction

400mm H-Beam

Applications

Common Applications

- Industrial factories
- Civilian buildings
- Warehouses
- Easy steel building manufacturing