

C/Z Purlin Roll Forming Machine

The C/Z purlin roll forming machine is designed for efficient production of C and Z shaped purlins. This cold roller machine accurately forms sections from metal coils for manufacturing structural components.



ADDITIONAL IMAGES



Overview



High-precision cold roll forming machine designed for C and Z section purlins.

High-Efficiency C/Z Purlin Production

This versatile C/Z purlin roll forming machine is engineered for the professional production of structural C and Z shaped sections from metal coils. It features a cold rolling process that ensures high precision and consistency, making it ideal for manufacturing components used in industrial workshops, warehouses, and high-rise construction. With automated controls and a robust 18-station forming system, it minimizes material waste while maintaining high-volume output.

Performance Metrics



Robust construction featuring 18 forming stations for high-quality profile production.

Key Performance Metrics

24 m/min

Max Forming Speed

22 kW

Total Power

18 Stands

Roll Stations

5 T

Loading Capacity

Technical Specifications



Advanced technology ensures precise shaping and consistent quality for structural components.

Forming Parameters

Parameter	Value
Forming Speed	12-24m/min
Roller Stations	18 stands
Roller Diameter	80mm
Roller Material	High grade Gcr15 forged steel
Main Frame	400mm H-Beam
Feeding Thickness	1.5-3.0mm
Product Size Range	80-300mm (adjustable)

Control & Operation



The system includes decoiling, leveling, punching, and cutting units for full automation.

Control System

- PLC Computer Control System
- Touch Screen Interface
- Inverter and Encoder for precision
- Automatic and Manual operation modes
- Multi-language support (English, Chinese, Spanish, Russian)

System Configuration

Core Components

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

Hydraulic System

Hydraulic Parameters

Feature	Specification
Power	22kW
Oil Type	46# Hydraulic Oil
Working Pressure	12-16Mpa (Adjustable)
Solenoid Valves	3 Groups
Cutting Material	Cr12Mov with quenched treatment

Uncoiler Specifications

Uncoiler Details

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

Power Supply

Electrical Requirements

380V, 3-Phase, 50Hz