

CZ Purlin Roll Forming Machine

This roll forming machine efficiently produces CZ purlins commonly used for roof and wall support in construction. It progressively shapes metal strips into the desired CZ profile with high precision.



ADDITIONAL IMAGES



Product Overview

High-Efficiency CZ Purlin Production

This advanced roll forming machine is engineered for the precise and continuous production of CZ purlins used in roof and wall support structures. Utilizing sophisticated design software and simulation techniques, the system ensures high-precision molding and consistent output. Built for high-volume manufacturing environments, it features robust components and automated control systems to maximize productivity and reliability.

Performance Metrics

Production Speed

50 m/min

Standard Speed

80 m/min

Maximum Speed

Material Specifications

Parameter	Value
Material Type	Steel Coil
Material Thickness	1.6 mm
Profile Width	38 mm
Profile Height	22 mm

Decoiler System

Coil Dimensions

- Inner Diameter: 460mm - 530mm
- Outer Diameter: Max 1300mm
- Width: 20mm - 200mm

Capacity

2 tons

Roll Forming Unit

Main Shaft Specifications

- Material: 40Cr
- Diameter: 48mm
- Side Wall Thickness: 54mm

Roller Configuration	12 stations
Roller Material	Cr12 Mold Steel
Heat Treatment Hardness	60 HRC

Control & Cutting

Control System Components

- PLC Control
- Frequency Converter
- Servo Motor and Drive

Cutting System Features	Hydraulic System, Automatic Punching, Automatic Cutting, Non-stop Operation
Power Requirements	380V 50Hz