

Automatic CZ Purlin Roll Forming Machine

This automatic machine produces both C and Z profiles, and it automatically changes sizes. It is designed for efficient and precise production of CZ purlins used in various construction applications.



ADDITIONAL IMAGES



Overview

High-Efficiency Automatic CZ Purlin Production

This versatile roll forming machine is engineered to produce both C and Z profiles within a single automated system. Featuring PLC-controlled size adjustment, it eliminates the need for manual part changes, significantly saving labor and production time. The machine is a comprehensive solution for manufacturing high-quality purlins used in steel structures, roofing, and wall cladding applications.

Key Features

Automation & Efficiency

- Automatic size adjustment via PLC
- One machine produces both C and Z profiles
- Universal cutting system for all sizes
- No manual part setting required during size changes
- Optional pre-cut and post-cut functionality

Technical Performance

Forming Speed

18 m/min

Max Production Speed

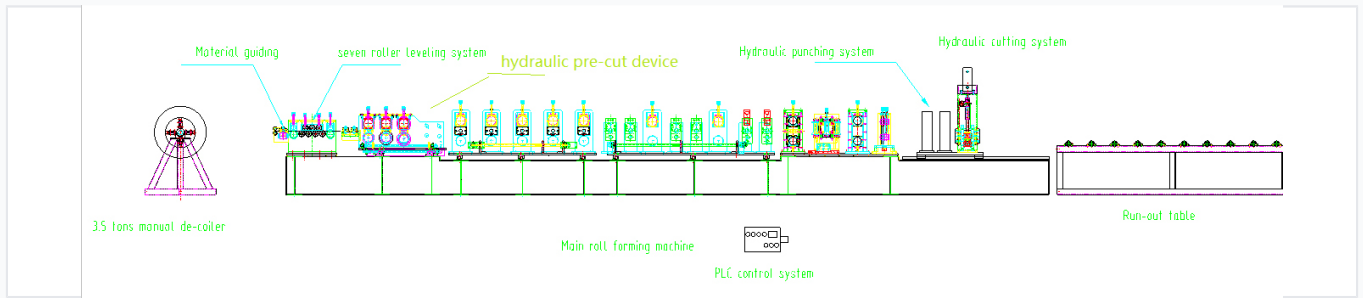
Compatible Material

Steel Coil

Material Thickness Range

0.8mm - 3mm

Machine Components



Complete system workflow from de-coiler and leveling to hydraulic punching and final run-out table.

System Configuration

- 3.5-ton Manual De-coiler (Hydraulic optional)
- Seven-roller Leveling System
- Material Guiding System
- Hydraulic Pre-cut Device
- Main Roll Forming Machine
- Hydraulic Punching System
- Hydraulic Cutting System
- PLC Control System
- Run-out Table

Hardware Specifications



Robust forming stations designed for precise shaping of C and Z profiles with high-quality steel shafts.

Shaft Specifications

| Component | Specification |
|--------------------------|---------------------|
| Shaft Material | 45# Steel |
| Available Diameters (mm) | 65, 75, 85, 90, 110 |

Physical Dimensions

| | |
|--------------------|---------------------------|
| Machine Dimensions | 10M x 1.2M x 1.6M (L*W*H) |
| Total Weight | 9 T |

Control System

| | |
|---------------------|-------------------------------------|
| Control System Type | Programmable Logic Controller (PLC) |
|---------------------|-------------------------------------|