

CZ Purlin Roll Forming Machine

This machine produces C and Z shaped purlins from sheet metal. It utilizes a roll forming process to gradually shape the metal, ensuring consistent and accurate profiles for construction and industrial applications.



ADDITIONAL IMAGES



Overview



Robust machine construction designed for high-precision, automated metal forming.

High-Efficiency CZ Purlin Production

This industrial roll forming machine is engineered for the precise, automated manufacturing of C and Z shaped purlins from metal coils. It integrates a complete production line, including decoiling, leveling, roll forming, hydraulic punching, and cutting, ensuring consistent profile quality for construction and industrial applications. Designed for durability and ease of use, it features an advanced PLC control system that allows for quick size adjustments without the need for mold changes.

Technical Specifications

| | |
|-------------------------|---------------------|
| Main Motor Power | 11 kW |
| Hydraulic Pump Power | 7.5 kW |
| Power Supply | 3-Phase, 380V, 50Hz |
| Main Frame Construction | 350mm H-Beam |
| Control System | PLC with Inverter |

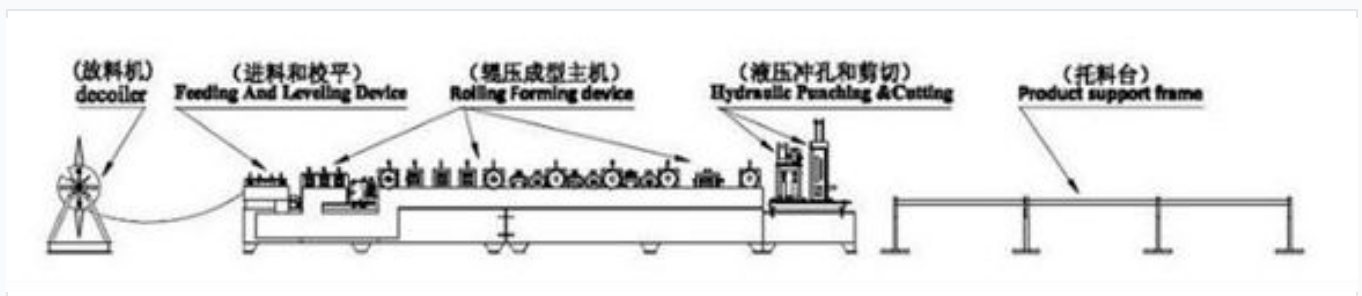
Production Capabilities



The system supports flexible dimension adjustments for various C and Z purlin profiles.

| | |
|-------------------------------|---------------------------------------|
| Roller Material | High-grade Gcr15 forged steel |
| Number of Roller Stations | 18 |
| Compatible Material Thickness | 1.5 - 3.0 mm |
| Cutting Blade Material | Cr12Mov steel with quenched treatment |
| Manual Uncoiler Capacity | 5 T |

System Components



The production process integrates decoiling, leveling, forming, punching, and cutting for a continuous workflow.

Included Line Components

- Manual Uncoiler
- Guiding Platform
- Coil Strip Leveler
- Main Roll Forming Machine
- Hole-Punch Device
- Hydraulic Cutting Device
- PLC Control Cabinet
- Product Receiving Table