

C Purlin Cold Roll Forming Machine

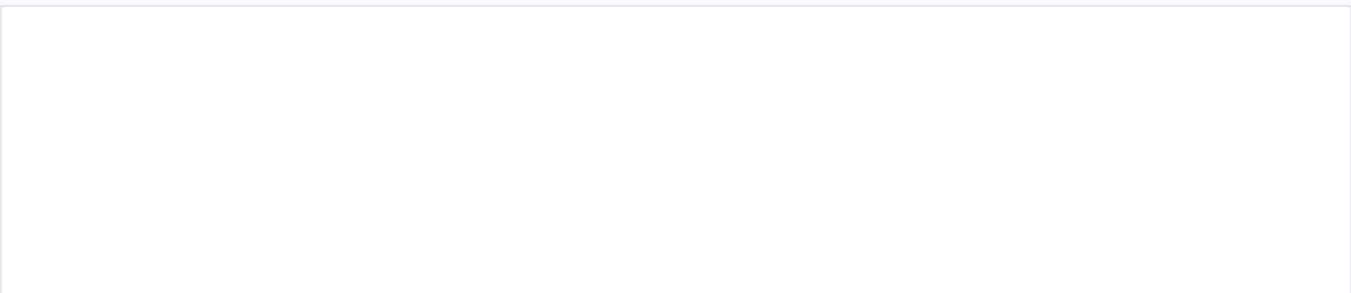
This cold roll forming machine produces C-shaped purlins from galvanized steel coil. It utilizes a series of rollers to gradually form the steel into the desired profile.



ADDITIONAL IMAGES



Product Overview



Advanced rolling mill technology ensures consistent quality and dimensional accuracy for C-shaped profiles.

High-Efficiency Steel Purlin Production

This industrial-grade cold roll forming machine is engineered for the high-speed production of C, Z, and U-shaped steel purlins. It features a fully automated system integrating decoiling, straightening, punching, and cutting to ensure consistent dimensional accuracy. Designed for heavy-duty construction applications, this machine offers a reliable solution for manufacturing structural components with minimal material waste.

Performance Metrics

Max Forming Speed

15 m/min

Max Speed

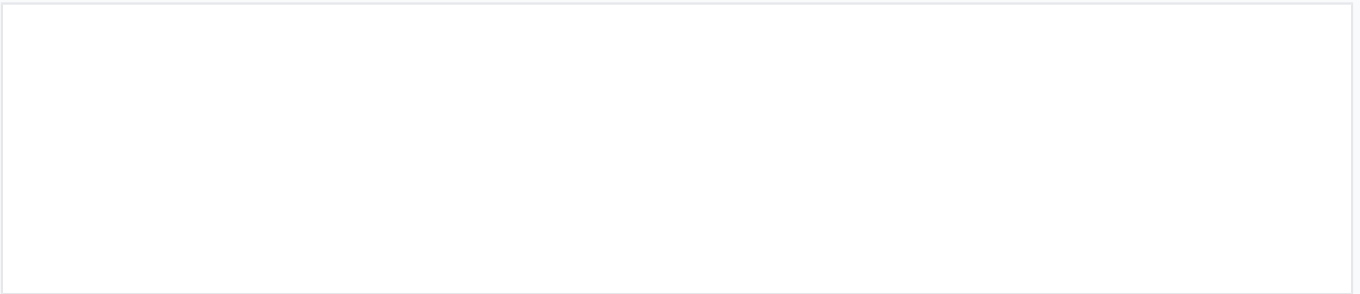
Material Specifications



Heavy-duty hydraulic systems and precision-engineered rollers for handling steel up to 3.0mm thickness.

Compatible Materials	Galvanized steel coil, Q235-345 Steel
Material Thickness	3 mm

Technical Configuration



Robust construction featuring automated control systems and high-torque motors.

Controller Type	PLC
Roller Material	Bearing steel GCr15
Roller Driven Type	Chain transmission

Process Workflow



The 24-meter production line integrates punching, cutting, and forming in one continuous process.

Integrated Functions

- Uncoiling
- Straightening
- Guiding
- Encoding
- Pre-punching
- Pre-cutting
- Roll forming
- Rectification
- Run-out table

Sectional Lengths

Section	Length
Total Machine Length	24m
Forming Section	8m
Auxiliary Sections	1.2m - 2m

Compliance & Quality

Quality Standards	CE, SGS, ISO 9001
-------------------	-------------------