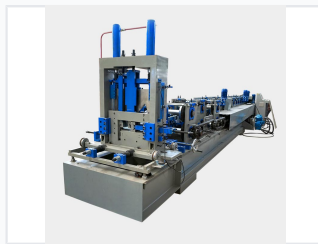
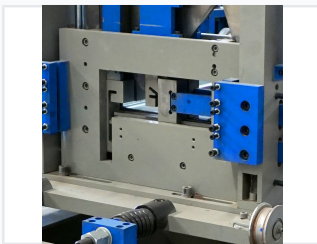


# C Purlin Roll Forming Machine

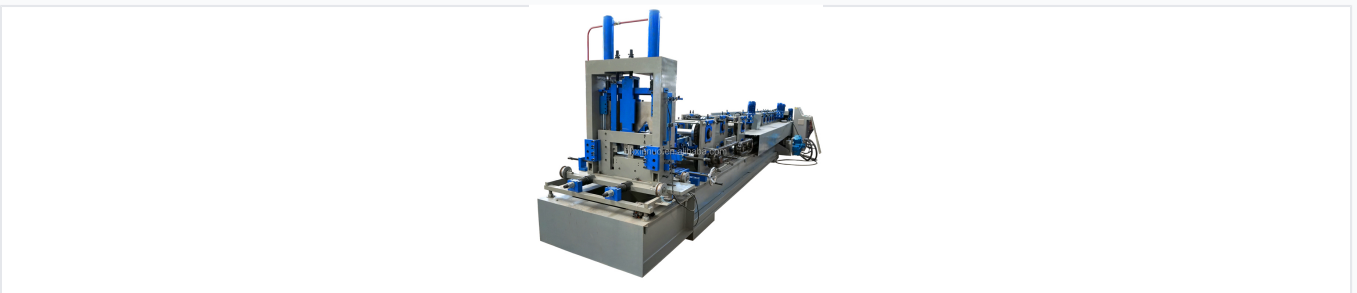
This roll forming machine is designed for manufacturing C purlins used in steel frame construction. It utilizes a rolling mill process to shape metal into precise C-shaped profiles.



## ADDITIONAL IMAGES



## Overview

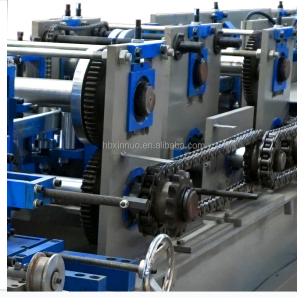


Heavy-duty roll forming unit designed for high-speed C purlin production.

### High-Efficiency C Purlin Production

This fully automatic roll forming machine is designed for the high-volume manufacturing of C-shaped purlins and drywall profiles used in industrial factories and civilian buildings. It features a robust 400mm H-beam main frame and a sophisticated PLC control system for precise dimensional accuracy. The equipment is engineered for durability and ease of operation, providing a reliable solution for modern steel building construction.

## Technical Performance



Robust chain and gear transmission system ensuring consistent torque and forming precision.

### Forming Speed

**24 m/min**

Max Speed

### Power Specifications

**22 kW**

Total Power

**380 V**

Input Voltage

Roller Stations

18

## Material Specifications

Feeding Material Thickness

1.5 - 3.0mm

Max Steel Coil Width

600 mm

## System Components



Complete system including uncoiler, leveling, punching, and cutting stations.

### Standard Configuration

- Manual Uncoiler (5T Capacity)
- 9 Shaft Strip Leveler
- Pre-Punching Device
- Pre-Cutting Device
- Hydraulic Station
- PLC Control Cabinet
- Supporter/Receiving Table

## Control System



Integrated hydraulic cutting system and PLC control for automated length and quantity management.

### Interface Languages

English • Chinese • Spanish • Russian

### Control Features

PLC, Inverter, Encoder, Touch Screen, Automatic/Manual Modes

## Mechanical Details



Gcr15 forged steel rollers arranged in 18 stations for gradual, accurate metal shaping.

### Hydraulic System Parameters

Parameter	Value
Working Pressure	12-16 Mpa (Adjustable)
Hydraulic Oil Type	46#
Solenoid Valves	3 Groups

### Roller Material

High grade Gcr15 forged steel

### Cutting System

Cr12Mov with quenched treatment

## Production Capability



Receiving table for organized collection of finished C purlin profiles.

### Product Size Range

80mm - 300mm (Automatic adjustment via motor)

## Compliance & Support

### Certifications

CE

### Warranty

1 Year