

Steel C Purlin Roll Forming Machine

This steel C purlin roll forming machine produces C-shaped profiles for roofing structures. It is easy to operate and offers lifetime video online service.



ADDITIONAL IMAGES



Overview

Robust structural frame designed for high-volume industrial production.

High-Efficiency Steel Purlin Production

This Steel C Purlin Roll Forming Machine is engineered for the precise and efficient production of structural steel profiles including C, Z, and U shapes. Designed for ease of use, it features a remote control system and is supported by lifetime online video service to ensure continuous operation. This robust system is ideal for manufacturing high-quality purlins used in industrial roofing and wall cladding applications.

Key Features

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15 m/min

Max Forming Speed

3 mm

Max Thickness

20 m

Total Line Length

Material Specifications

Input Material	Galvanized steel coil
Material Thickness Range	1.5 - 3.0mm
Yield Stress	Q235-345 Mpa

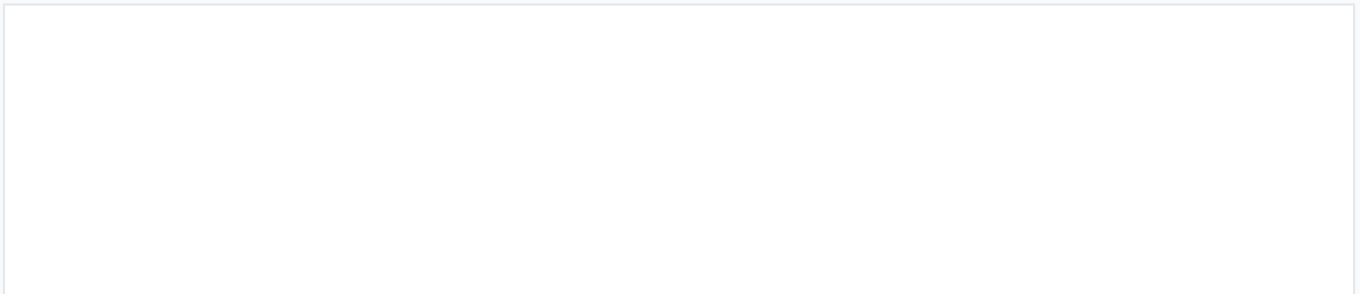
Technical Configuration



High-precision rollers made from GCr15 bearing steel for consistent profile shaping.

Supported Profiles	C shape, Z shape, U shape
Roller Material	Bearing steel GCr15
Drive System	Chain transmission

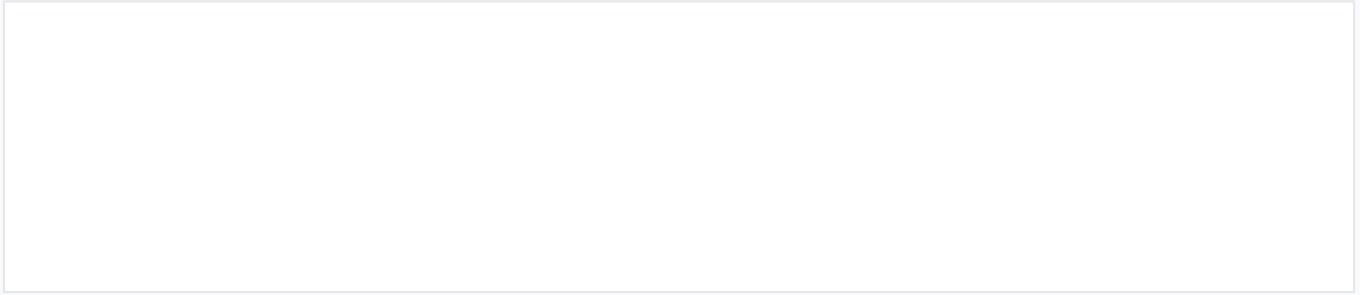
Control System



The integrated PLC control panel and hydraulic cutting unit for precise length management.

Controller Type	PLC • Remote Control
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Production Line Layout



Detailed layout of the production line including uncoiler, straightening, punching, and forming stations.

System Components

Section	Length	Functions Included
Uncoiler Section	1.2m	Material decoiling
Straightening & Guiding	2.0m	Material alignment and flattening
Main Forming Section	8.0m	Pre-punching, Pre-cutting, Roll forming
Output Section	4.0m (2x2m)	Rectification and Run-out tables

Compliance & Quality

Certifications	CE, ISO 9001, SGS
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