

U-Shape Door Frame Panel Forming Machine

This machine is designed for the efficient production of door frame panels with a U-shaped profile. It utilizes a series of rollers and forming stations to gradually shape the metal sheet into the desired U-shape.



Product Overview

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This automated roll forming machine is engineered for the high-volume production of door frame panels and shutter door slats. Featuring a robust gear-driven design, it provides reliable power and precision for forming metal sheets with thicknesses ranging from 0.3mm to 1.2mm. The system integrates advanced PLC control with hydraulic cutting and punching mechanisms to ensure consistent, high-quality output at adjustable speeds up to 30m/min.

Technical Specifications

Forming Speed

30 m/min

Maximum Speed

Material Thickness Range	1.2 mm
Roller Groups	10+5 groups
Roller Material	45# steel with chrome plating

Material Compatibility

Supported Coil Types	Pre-painted coils, Galvanized coils, Aluminum coils
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Production Flow



The integrated production workflow from coil decoiling to final output.

Automated Process Steps

- Decoiler
- Feeding Guide
- Punching Holes
- Main Roll Forming
- PLC Control System
- Hydraulic Cutting
- Output Table