

Metal Roll Forming Machine for Shutter Door Slats and Roofing

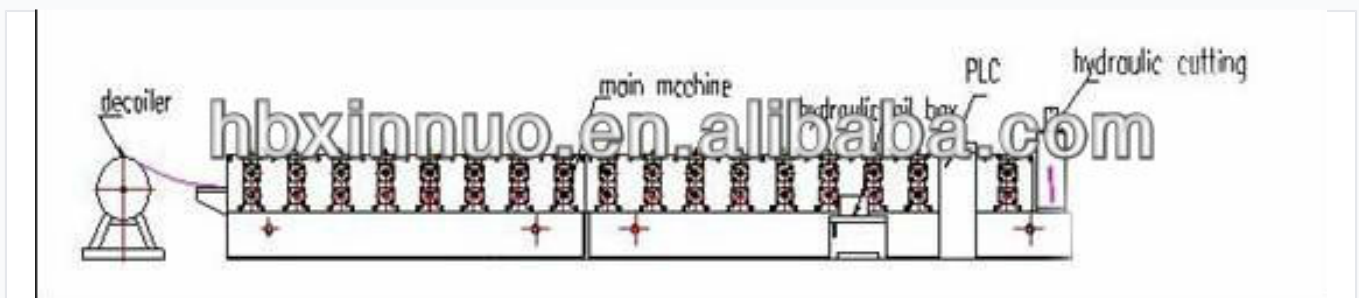
This metal roll forming machine produces aluminum shutter door slats and alu-zinc roofing steel profiles. It ensures consistent forming pressure and durable performance for high-volume production.



ADDITIONAL IMAGES



Product Overview



System layout including decoiler, main forming machine, hydraulic system, and PLC control unit.

Versatile Metal Roll Forming Solution

This industrial-grade roll forming machine is engineered for the high-precision manufacturing of aluminium shutter door slats and alu-zinc roofing steel profiles. Featuring a robust H-beam main frame and a Delta PLC control system, it offers a reliable and space-saving solution for professional metal fabrication. The machine is designed for ease of operation and can be customized to meet specific user requirements for feeding width and profile dimensions.

Performance Metrics



High-pressure hydraulic cutting system ensures clean and precise profile termination.

Key Performance Metrics

3 kW

Main Motor Power

3 kW

Hydraulic Power

20 Mpa

Hydraulic Pressure

Technical Specifications



Integrated PLC control system for automated parameter adjustment and production monitoring.



User-friendly interface for monitoring machine performance and adjusting speed.

Power Supply	380V / 3 Phase / 50Hz (Customizable)
Control System	PLC with Delta Inverter
Main Frame Structure	300mm H-Beam

Material Handling



Sequential forming stations designed to handle up to 2.0mm thickness material with high consistency.

Width Requirements

- Feeding Width: Customized to user need
- Effective Width: According to specific profile

Feeding Thickness	2 mm
Backboard Thickness	14 mm
Chain Size	20 mm

Operational Advantages



The machine is optimized for producing precise aluminium shutter door slats and roofing profiles.

Key Benefits

Space Saving, Easy Operation, Beautiful Appearance, Reasonable Structure, Site Operation Ready

Manufacturing Quality

Advanced Manufacturing Processes

- Large CNC milling for frame smoothness
- Electrostatic spraying for high adhesion finish
- CNC backboard milling for precise roller leveling
- Shot blasting for clean, rust-free surfaces
- High-precision CNC grinding for rollers and shafts

Compliance & Support

Quality Standards

CE Certified • ISO 9001 • Quality Management System Certified