

Curved Roof Panel Roll Forming Machine

This roll forming machine is engineered for the efficient creation of curved roof panels. Its robust design and advanced technology ensure consistent performance and high-quality output.



Overview

High-Efficiency Curved Roof Panel Production

This advanced roll forming machine is engineered for the precise production of curved roof panels, ideal for large-scale construction projects. Featuring robust construction with high-quality steel components and an automated PLC control system, it ensures consistent, high-quality output. The machine offers versatile processing capabilities, including adjustable bending and cutting, making it a reliable solution for durable and aesthetically pleasing roofing requirements.

Technical Specifications

| | |
|--------------------|--------------------------|
| Machine Dimensions | 9300mm x 2270mm x 2400mm |
| Total Weight | 12000 kg |

Performance Metrics

Production Speeds

15 m/min
Straight Sheet

13 m/min
Arch Sheet

10 m/min
Sewing

| | |
|--------------|------|
| Maximum Span | 22 m |
|--------------|------|

Material Processing

Coil Specifications

| Parameter | Value |
|-----------------|-----------|
| Feeding Width | 914mm |
| Effective Width | 700mm |
| Coil Thickness | 0.6-1.6mm |
| Groove Depth | 203mm |

Power & Control

Power Consumption

- Forming Power: 7.5kw
- Bending Power: 4.0kw + 1.1kw + 1.1kw
- Cutting Power: 3.0kw

| | |
|----------------|-------------|
| Control System | Siemens PLC |
|----------------|-------------|

Construction & Quality

Component Materials

| Component | Material |
|---------------|--------------------------------|
| Rollers | 45# Steel (Quenched HRC 58-62) |
| Roller Shafts | 45# Steel |
| Cutting Blade | Cr12 Steel |

Roller Steps

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