

Mobile Arch Roll Forming Machine for Curving Metal Panels

This mobile roll forming machine is designed for on-site fabrication of curved metal panels used in arch construction. It features a heavy-duty trailer, integrated power supply, and precision forming rollers for accurate panel production.



Product Overview

Advanced Arch Construction Solution

This mobile roll forming machine is a specialized solution for creating beamless arch structures, replacing traditional frame architecture with high-efficiency curved metal panels. Designed for on-site fabrication, it processes PPGI into arch grooves that are seamlessly connected to form durable, large-span buildings. This system offers significant advantages including rapid construction speeds, cost-effectiveness, and an aesthetically pleasing finish suitable for diverse industrial applications.

Technical Specifications

Input Board Width	600 mm
Effective Width	305 mm
Material Usage Rate	51 %

Performance Metrics

Span Capability

4 m

Minimum Span

26 m

Maximum Span

Key Benefits

Core Advantages

Fast Construction • Low Cost • Long Service Life • Large Span • Beautiful Shape

Design & Mobility

Equipment Features

- Heavy-duty trailer for easy transport
- Integrated power supply
- Precision forming rollers
- Self-contained unit for on-site fabrication

Applications

Primary Applications	Arched Buildings, Tunnels, Rail Transit Engineering, Curved Structures
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