Arch Building Roll Forming Machine

This machine efficiently produces arched steel structures directly on the work site, effectively lowering costs. It is widely used in mid-scale and small-scale construction projects such as factories, warehouses, and gymnasiums.

ADDITIONAL IMAGES

Overview

Mobile Arch Building Solution

The Arch Building Roll Forming Machine is a versatile mobile unit designed for direct on-site production, effectively lowering construction costs for mid-scale and small-scale projects. This integrated system handles decoiling, roll forming, bending, and cutting to create durable arched structures for warehouses, gymnasiums, and exhibition centers. Built on a robust trailer chassis with high-quality car-style axles, it ensures a long service life and superior mobility compared to standard straight-shaft designs.

Technical Specifications

Precision-formed corrugated arch panels with blue trim, ready for assembly into large-span structures.

Core Performance Metrics

600 mm	305 mm	109 mm	50.8 %
Feeding Width	Effective Width	Groove Depth	Material Utilization

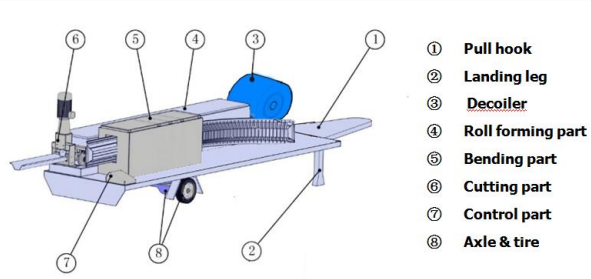
Physical Dimensions	8900mm x 2230mm x 2300mm
Total Weight	10 Ton

Material Processing

A wide selection of color-coated steel coils compatible with the roll forming machine for customized architectural finishes.

Material Thickness Range	0.5mm - 1.5mm
Compatible Materials	Prepainted Galvanized Steel, Sheet Metal, Steel Coils

Components & Construction

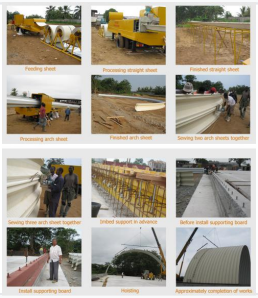


Integrated mobile unit featuring decoiler, forming stations, bending part, and hydraulic cutting system mounted on a trailer chassis.

Key Components

Component	Specification
Bending Leaf	10mm Thickness, CNC Processed
Cutting Blade	12CrMov Material, Heat Treated
Cutting Type	Mechanical/Hydraulic
Axle System	Car-style axles for enhanced durability
Control System	PLC (Programmable Logic Controller)

Applications



The workflow from feeding sheets and processing arch profiles to sewing panels together and hoisting the final structure.

Suitable Construction Projects

- Warehouses and Storage Facilities
- Factories and Workshops
- Garages and Hangars
- Gymnasiums and Sports Centers
- Exhibition Centers and Theatres
- Agricultural Shelters

Compliance

Quality & Safety Standards

CE Certified • Directive 2006/42/EC • EC-Attestation of Machine Safety • SGS Verified