

Hydraulic Arch Roofing Sheet Roll Forming Machine

This hydraulic arch roofing sheet roll forming machine produces curved metal roofing panels. The robust hydraulic system ensures powerful and controlled forming for consistent arch profiles.



ADDITIONAL IMAGES



Product Overview



The complete production line includes a decoiler for smooth material feeding and a run-out table for efficient panel collection.

High-Efficiency Hydraulic Arch Roll Forming

This hydraulic arch roofing sheet roll forming machine is a complete solution for the precise production of curved metal roofing panels. Designed for durability and industrial-scale projects, it features a powerful hydraulic system that ensures consistent arch profiles and smooth forming. The machine is engineered for mobility and ease of operation, making it ideal for on-site construction of warehouses, agricultural buildings, and commercial structures.

Key Performance Metrics



Powerful hydraulic system ensures consistent arch profiles for durable and aesthetically pleasing roofing solutions.

Performance Metrics

15 m/min

Forming Speed

13 m/min

Bending Speed

16 m/min

Seaming Speed

15.2 KW

Total Motor Power

Material Specifications

Material Specifications

Parameter	Value
Feeding Width	600mm
Effective Width	305mm
Coil Thickness Range	0.5 - 1.6mm
Material Utilization Rate	50.8%

Technical Components



The robust frame and precision rollers utilize hydraulic power for consistent and high-quality arched output.

Component Details

- Roller Material: 45# High-Quality Steel (HRC 55-65) with Hard Chrome Plating
- Shaft Material: 45# High-Quality Steel, Galvanized
- Cutting Blade: 12CrMov Material with Heat Treatment
- Bending Leaf: 10mm Thickness, CNC Processed
- Molding Steps: 13 + 1 Steps

Physical Dimensions

Machine Dimensions	8900mm x 2100mm x 2300mm (Includes Single Axle with 4 Tires)
Total Weight	10 Ton

Operational Features



Equipped with advanced control systems for automated operation and precise adjustments during large-scale projects.

Operational Features

Hydraulic Forming, Mechanical Cutting, Length-Set Cutting, Mobile Design, Automated Control, Safety Guards, Emergency Stop

Power Distribution

Power Breakdown

System	Power (KW)
Roll Forming Motor	5.5
Cutting Power	3
Bending Power	4.5
Seaming Power	2.2