

# 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