

K Span Arch Roll Forming Machine

The K Span Arch Roll Forming Machine is designed for on-site fabrication of self-supporting arch structures. It efficiently transforms metal sheets into curved panels that interlock to form robust, weather-resistant buildings.



ADDITIONAL IMAGES



Overview



Example of a completed large-span structure produced using this roll forming technology.

Professional Arch Forming Solution

This K-Span arch roll forming machine is engineered for the on-site fabrication of self-supporting, weather-resistant arch structures. Utilizing a robust roll forming system, it efficiently transforms metal coils into curved panels suitable for warehouses, workshops, and large-span buildings. The system features computer-controlled precision, solid steel rollers, and adjustable bending mechanisms to ensure structural integrity and consistent quality.

Technical Specifications



Compact and portable design facilitates easy transportation to various construction sites.

Machine Dimensions	8900 x 2230 x 2200 mm
Total Weight	10000 kg
Shipping Container	40'GP x 1

Performance Metrics



Integrated hydraulic systems enable seamless panel forming and seaming for on-site construction.

Key Performance Metrics

35 m

Maximum Span

600 mm

Feeding Width

300 mm

Effective Width

100 mm

Groove Depth

Power & Control



User-friendly control interface for adjusting bending parameters and forming speed.

Power Configuration

Component	Power Rating
Total Power	15.2 kW
Main Motor	5.5 kW
Bending Power	4.5 kW
Cutting Power	3.0 kW
Sewing Power	2.2 kW

Control System

PLC Control • Manual Override

Construction Quality



Heavy-duty frame and precision roller assembly designed for consistent arch panel production.



Precision forming stations ensure accurate panel dimensions and structural integrity.

Material Specifications

- Rollers & Shafts: Solid 45# steel with hard chromium plating
- Cutting Blade Material: Cr12moV
- Arch Shaping Leaf Thickness: 10mm

Operational Features

Computer-controlled shaping, Electronic measurement, Mechanical measurement, Adjustable bending, Quick-release hoisting