

# 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