

Arch Roof Span Forming Machine

This machine efficiently produces arch-shaped roof panels directly on construction sites, effectively lowering project costs. It is widely used for mid- and small-scale construction projects such as factories, warehouses, and gymnasiums.



ADDITIONAL IMAGES



Product Overview



The machine produces high-precision curved panels for self-supporting structures.

Mobile Arch Roof Fabrication Solution

The BH-600-305 is a high-performance mobile factory designed for on-site production of self-supporting arched roof structures. By forming metal sheets directly at the construction site, it effectively lowers project costs and streamlines logistics for mid-scale to small-scale buildings. This machine is engineered with automotive-style axles for superior durability and a longer service life compared to standard straight-shaft alternatives.

Key Performance Metrics

Key Metrics

600 mm
Feeding Width

305 mm
Effective Width

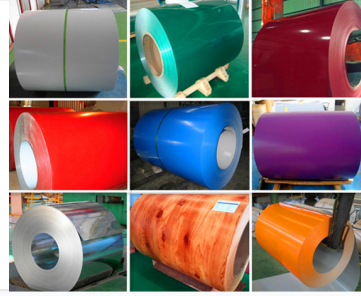
10 Ton
Total Weight

50.8 %
Material Utilization

Technical Specifications



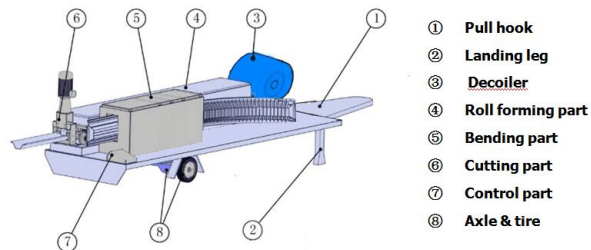
Robust trailer-mounted design for easy transportation to construction sites.



The machine is compatible with various pre-painted galvanized steel coils for diverse aesthetic requirements.

Machine Dimensions	8900mm x 2230mm x 2300mm
Processing Thickness	0.5 - 1.5mm
Groove Depth	109 mm

Components & Construction



Detailed breakdown of the machine including decoiler, roll forming, bending, and control modules.

Chassis Design

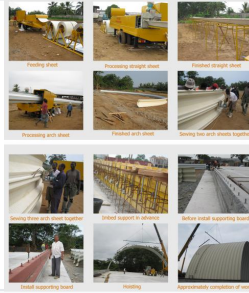
- Single Axle (Car-style design)
- 4 Tires for stable transport
- Integrated pull hook
- Adjustable landing legs

Bending Leaf	10mm thickness, CNC processed
Cutting Blade Material	12CrMov with Heat Treatment
Cutting Type	Mechanical or Hydraulic Cutting

Applications

Typical Applications	Factories, Warehouses, Garages, Gymnasiums, Exhibition Centers, Cinemas, Theatres
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Workflow



From feeding raw sheets to final hoisting: the complete on-site fabrication workflow.

Operational Process

- Material feeding from decoiler
- Straight sheet roll forming
- Arch profile bending
- Precision cutting to length
- On-site sewing of multiple arch sheets
- Hoisting and installation

Compliance

Safety & Quality Standards

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