



High-Speed Hydraulic Elbow Machine

For Round Duct Elbow Forming

A hydraulic elbow forming machine for round duct fitting production, designed for fast forming speed, stable operation, and tight seam quality in HVAC duct fabrication workshops.

HE-1250 / HE-1550

Ø100-1550 mm

120 m/min

GI 0.4-1.5 mm

4 kW

Application

Round duct elbow forming for HVAC duct fabrication and duct fitting production.

Model Choice

HE-1250 for regular diameter coverage;
HE-1550 for larger elbow production.

Production Value

Fast hydraulic forming, stable seam pressing,
and repeatable elbow quality.

OVERVIEW

Built for Round Duct Elbow Production

The high-speed hydraulic elbow machine is used in the forming process of round duct elbows, one of the core fitting categories in ventilation and HVAC ductwork. By using hydraulic transmission, the machine helps fabricators improve forming speed, keep the elbow shape stable, and produce stronger seams for more durable duct fittings.

Hydraulic Forming Drive

Stable hydraulic transmission supports fast forming and consistent seam pressing during repeated production.

Wide Diameter Coverage

Two model options cover round duct elbows from Ø100 mm up to Ø1250 mm or Ø1550 mm depending on workshop needs.

Strong Seam Performance

The formed seams are designed for tight sealing, helping improve the integrity and service life of duct elbows.

Flexible Flange Options

Selectable 5 mm, 7.5 mm, and 10 mm flange sizes support different fitting standards and project requirements.



SPECIFICATIONS

Model Parameters

The following parameters are extracted and reorganized from the supplied product material. Final configuration, voltage, accessories, and local compliance requirements can be confirmed before quotation.

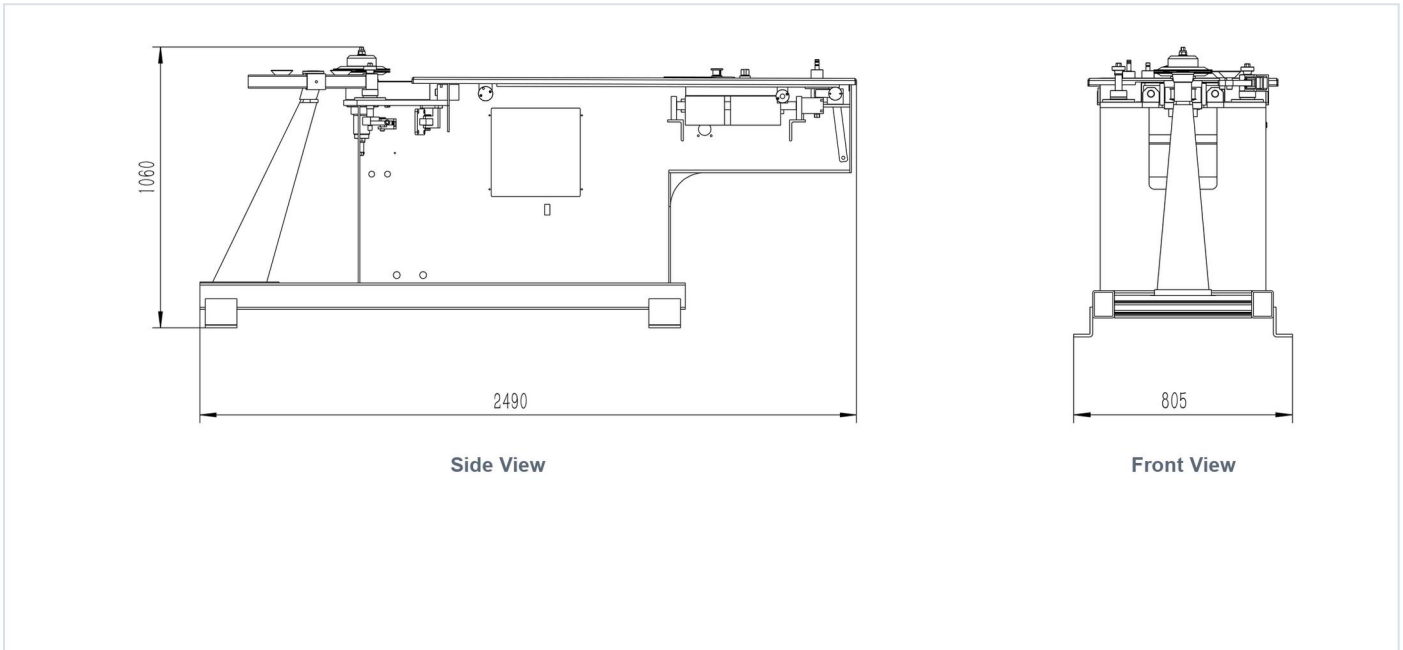
Specification	HE-1250	HE-1550
Oil Volume	55 L	60 L
Air Consumption	75 L/h, 6 bar	75 L/h, 6 bar
Form Speed	120 m/min	120 m/min
Form Diameter	Ø100-1250 mm	Ø100-1550 mm
Sheet Thickness	GI 0.4-1.5 mm SS 0.4-1.2 mm	GI 0.4-1.5 mm SS 0.4-1.2 mm
Flange Size	5 / 7.5 / 10 mm	5 / 7.5 / 10 mm
Power	4 kW	4 kW
Machine Size	2700 x 800 x 1060 mm	2950 x 900 x 1060 mm
Weight	800 kg	900 kg

Production Note

Recommended model selection depends on maximum duct diameter, material type, elbow volume, and the forming standard required by the project.

STRUCTURE

Clean Product View from Drawing



Application Fit

This machine is suitable for HVAC duct fabrication plants, duct fitting suppliers, and contractors producing round duct elbows in regular batch quantities. It is especially useful when the workshop needs faster elbow forming while keeping seam consistency and repeatable output quality.

For Quotation

Please provide your target duct diameter range, material type, sheet thickness, flange size, required output, and destination country.

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