



Reeling / Beading Machine

For Round Duct Rib Forming

A compact duct forming machine for accurate rib forming, stiffener production, and edge forming on round pipes. Designed for flexible workshop use with replaceable forming wheels for different rib profiles.

ER-15 / ER-18 / PR-15

Max. 1.5 mm

3 m/min

Rib Forming

Female Lock Profile

Application

Round duct rib forming, reinforcement grooves, and edge forming for duct fittings.

Tooling

Quick-change forming wheels support different profiles and production requirements.

Workshop Value

Small footprint, clear operation, and stable forming for batch duct fabrication.

OVERVIEW

Professional Forming for Round Duct Reinforcement

The reeling machine is used to form ribs, reinforcement grooves, and edge profiles on round ductwork. In HVAC duct production, these formed profiles help improve part rigidity, support fitting connection, and make the finished duct section more suitable for handling, installation, and project assembly.

Accurate Rib Forming

Designed for controlled rib and stiffener forming on round pipes, helping improve duct strength and appearance.

Replaceable Wheels

Forming wheels can be changed according to different rib profiles, female lock shapes, and project specifications.

Compact Production Station

The machine occupies limited floor space and is suitable for duct workshops with mixed product orders.

Electric & Pneumatic Options

ER and PR model options give buyers flexibility according to power, operation habit, and production preference.

Where It Fits in Duct Production

This machine is commonly placed after duct forming or fitting preparation when the workshop needs to add reinforcement ribs, edge profiles, or lock-related forming. It is useful for manufacturers producing round duct sections, duct fittings, elbows, reducers, and customized ventilation parts.

PRODUCTION VALUE

Why Rib Forming Quality Matters

Rib forming may look like a small process, but it has a direct influence on duct rigidity, handling strength, product consistency, and installation confidence. A clean and repeatable rib profile helps the duct section resist deformation during transport and assembly, especially when thin sheet metal is used or when the duct diameter is large.



Less Rework

Stable forming reduces trial pieces, uneven ribs, and profile correction during production.

Better Part Handling

Reinforced round duct sections are easier to move, store, and install without deformation.

Consistent Appearance

Repeatable rib depth and shape improve product presentation for project delivery.

Flexible Orders

Replaceable wheels help the same machine adapt to different profiles and project requirements.

Buyer Considerations

- Confirm common pipe diameter, material type, and maximum sheet thickness.
- Confirm required forming profile, rib depth, and whether female lock tooling is needed.
- Check available power or pneumatic supply before choosing ER or PR series.
- Reserve feeding and unloading space around the forming wheels for safer operation.

SPECIFICATIONS

Model Parameters

The following parameters are extracted and reorganized from the supplied product material. Final tooling profile, voltage, pneumatic configuration, and forming wheel options should be confirmed before quotation.

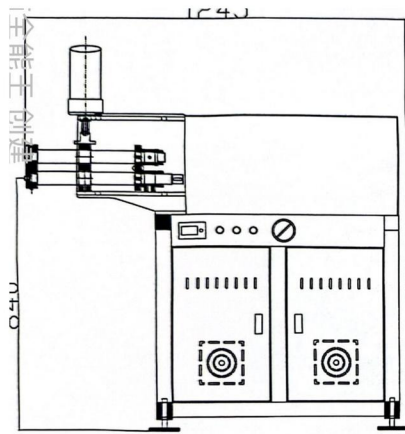
Specification	ER-15	ER-18	PR-15
Plate Thickness	Max. 1.2 mm	Max. 1.5 mm	Max. 1.2 mm
Function	Rib forming Edge flanging	Rib forming Edge flanging	Rib forming Edge flanging
Form Speed	3 m/min	3 m/min	3 m/min
Forming Profile	Single Female Lock Custom wheel options	Single Female Lock Custom wheel options	Single Female Lock Custom wheel options
Power	0.75 kW	1.5 kW	0.75 kW
Machine Size	820 x 390 x 1000 mm	900 x 390 x 1090 mm	820 x 390 x 1120 mm
Weight	86 kg	126 kg	96 kg

Selection Note

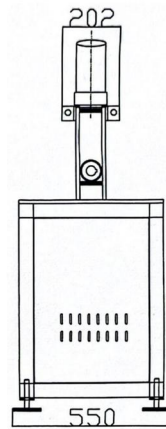
ER-18 is suitable when the buyer needs higher sheet thickness capability. ER-15 and PR-15 are compact options for workshops with lighter material ranges and flexible forming requirements.

STRUCTURE

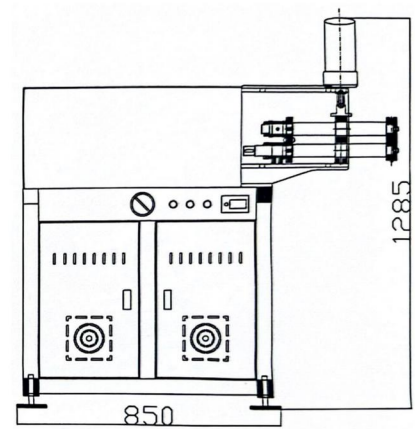
Clean Product Views from Drawing



Side View



Front View



Working Side View

Dimension Reference

The supplied drawing shows reference dimensions including 1245 mm overall side length, 550 mm front width reference, 850 mm base reference, and 1285 mm height reference. Final machine size should follow the confirmed model and tooling configuration.

For Quotation

Please provide your round duct diameter range, material type, maximum sheet thickness, required rib or lock profile, preferred model type, voltage, and destination country.

HYRUN Mechatronic Technology

www.hyruntech.com