

Plastic Drum Blow Molding Machine

This machine produces various plastic drums, barrels, bottles, and mannequins. It is designed with a robust hydraulic system and multi-layer extrusion head for efficient material distribution.



Overview

High-Performance Blow Molding Solution

This high-capacity blow molding machine is engineered for the efficient production of large plastic drums and containers. It features a robust hydraulic clamping system for precise mold movement and an advanced control system for automated process monitoring. Designed with energy efficiency in mind, the machine incorporates optimized components to reduce power consumption while maintaining consistent output quality.

Production Capacity

Max Container Capacity	30 L
Plasticizing Capacity	100 kg/hr

Machine Dimensions & Weight

Machine Dimensions (L*W*H)	4.8 x 2.3 x 3.5 meters
Total Weight	12 ton

Clamping & Moulding

Clamping Force	230 kN
Platen Opening Stroke	400-900 mm
Platen Size	900 x 780 mm
Max Mould Size	600 x 1000 mm
Minimum Mould Thickness	410 mm

Extrusion System

Screw Diameter	80 mm
Screw L/D Ratio	24
Number of Heating Zones	4

Power & Utilities

Power Consumption Metrics

76 kW

Total Power

45 kW

Average Energy Consumption

11 kW

Pump Motor Power

Air Supply Requirements

Parameter	Value
Air Pressure	1 MPa
Air Consumption	0.8 m ³ /min