

Three-Station Injection Stretch Blow Molding Machine

This three-station ISBM machine is widely used in the LED lighting, pharmaceutical, health care, and cosmetic industries. It utilizes residual temperature to blow bottles directly, saving energy and making it suitable for plastics requiring high-temperature blow molding.



Overview

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This high-performance injection stretch blow molding machine integrates injection molding, stretch blowing, and ejection into a single, continuous process. Designed for high-volume production, it offers precise hydraulic control and an automated system for real-time monitoring and parameter adjustment. Its robust construction ensures stability and durability, making it an ideal solution for manufacturing high-quality plastic containers from materials like PET, PP, and PE.

Technical Specifications

Screw Diameter	60 mm
Maximum Turning Radius	450 mm
Injection Capacity	565 g

Performance Metrics

Core Performance Metrics

430 kN

Injection Clamping Force

222 kN

Blow Clamping Force

35 kgf/cm²

Blow Air Injection

8 kgf/cm²

Working Pressure

Power and Physical

Power Requirements	Motor: 45+11 kW; Heating: 17.5 kW
Dimensions & Weight	4.6m x 1.8m x 3.3m (L*W*H); Weight: 9500 kg

Cavity Configuration

Cavity Configuration Data

Cavities	Max Neck Diameter (mm)	Max Capacity (ml)	Max Height (mm)
1	107	5000	335
2	80	3000	335
3	72	3000	335
4	60	2000	335
5	42	900	265
6	35	600	250
7	30	350	250
8	24	250	210
9	21.5	180	160
10	18	120	120