

# 5 Liter HDPE Bottle Production Machine

This machine produces HDPE bottles with a maximum capacity of 5 liters. It is engineered for efficient and precise manufacturing of plastic bottles suitable for various applications.



## Overview

### High-Efficiency HDPE Bottle Manufacturing

This 5-liter HDPE bottle production machine is engineered for high-performance manufacturing, delivering consistent quality for various plastic container applications. Featuring a robust design with advanced control systems, it ensures reliable operation and high production rates of up to 1000 pieces per hour. The machine is built for precision, offering flexible die set configurations and efficient plasticizing capabilities to meet diverse production requirements.

## Production Capacity

### Output Rate

**1000 pc/hr**

Dry Cycle Output

**70 kg/hr**

Plasticizing Capacity

### Max Container Capacity

5 L

### Die Set Configuration

1, 2, 3, 4

## Machine Dimensions & Weight

### Machine Dimensions (L\*W\*H)

3.1 x 1.8 x 2.6 m

### Total Weight

4.5 ton

## Technical Specifications

### Platen Details

Specification	Value
Opening Stroke	200-500 mm
Platen Size	330*370 mm
Move Mould Stroke	420 mm
Mould Thickness	205 mm

### Clamping Force

68 kN

## Extruder & Power

### Screw Specifications

- Diameter: 65 mm
- L/D Ratio: 24

### Power & Pressure

Component	Value
Oil Pump Motor Power	15 kW
Extruder Driving Power	15 kW
Extruder Heating Power	13.8 kW
Max Pressure	12 MPa
Air Pressure	0.7 MPa
Air Consumption	0.6 m <sup>3</sup> /min

### Heating Zones

3