

# PET Preform Injection Molding Machine, 128-680 Ton

This injection molding machine is specialized for producing PET preforms in various sizes. It features a PET special screw to increase plasticizing speed and shot weight.



## ADDITIONAL IMAGES



## Overview



Specialized PET screw with ceramic heater designed to optimize plasticizing speed and improve product transparency.

### High-Performance PET Preform Molding

This specialized injection molding machine is engineered for the efficient production of various PET preform sizes. It features a dedicated PET screw design that significantly enhances plasticizing speed and shot weight while reducing plasticizing temperature and AA values for superior transparency. With energy-saving options including servo motor and variable pump control systems, this machine offers a balance of high productivity and operational efficiency.

## Key Features

### Operational Advantages

Energy Saving 30-50% • Enhanced Transparency • High Plasticizing Speed • Pressure Synchronization

## Clamping Unit

### Clamping Specifications

Parameter	Value
Clamping Force	2880 KN
Opening Stroke	550 mm
Max. Daylight	1160 mm
Platen Size	850*850 mm
Space Between Bars	610*610 mm
Max. Mold Height	610 mm
Min. Mold Height	280 mm
Ejector Stroke	175 mm
Ejector Force	111 KN

## Injection Unit

### Injection Performance

**75 mm**

Screw Diameter

**1303 cm<sup>3</sup>**

Shot Volume

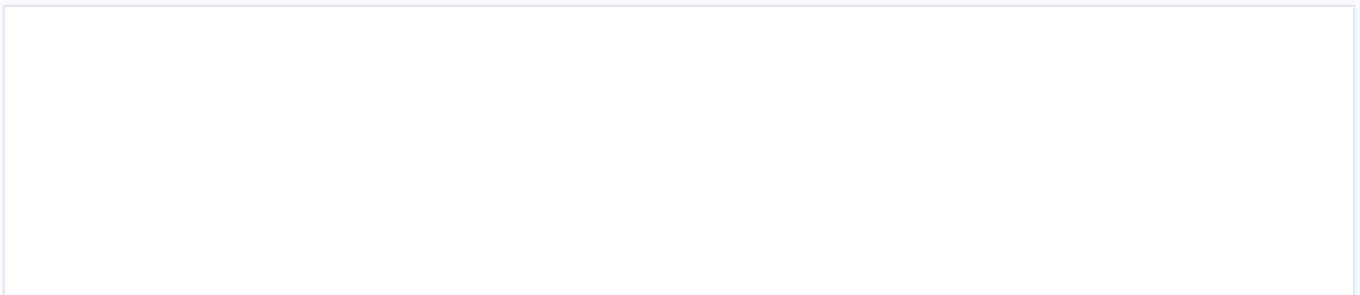
**295 mm**

Screw Stroke

**4975 g**

Max Shot Weight

## Operational Efficiency



Visual representation of energy-saving servo systems and enhanced ejector performance for PET preform drawing.

### Energy Saving Systems

- Servo motor control system: 30% - 50% energy savings
- Variable pump control system: 25% - 45% energy savings
- Pressure synchronization system: 15% - 25% productivity increase