

# 410-Ton High-Speed Injection Molding Machine

The GEK series high-speed injection molding machine is specialized for producing thin-wall PP products. It is widely used in the packaging industry.



## ADDITIONAL IMAGES



## Overview

### High-Performance Thin-Wall Injection Solution

The GEK series high-speed injection molding machine is specifically engineered for the production of PP thin-wall products, making it an ideal choice for the high-demand packaging industry. With a robust 410-ton clamping force and rapid injection rates, this machine ensures consistent quality for complex plastic components. It combines precision control with high-volume throughput to meet the rigorous standards of professional manufacturing environments.

## Key Performance Metrics

### Performance Highlights

**4100 kN**

Clamping Force

**853 g/s**

Injection Rate

**166 MPa**

Injection Pressure

## Injection Unit

Screw Diameter	52 mm
Theoretical Shot Volume	551 cm <sup>3</sup>
Injection Weight (PP)	397 g
Plasticizing Capacity (PP)	42 g/s

## Clamping Unit

Mold Stroke	660 mm
Space Between Tie Bars	670 x 660 mm
Mold Thickness (Max/Min)	700 / 250 mm

## Ejector System

### Ejector Specifications

Parameter	Value
Ejector Stroke	110 mm
Ejector Force	80 kN
Number of Ejectors	13 pc

### Power & Hydraulics

Pump Motor Power	50 + 50 kW
Max Pump Pressure	16 MPa
Heater Power	29.5 kW

### Physical Dimensions

Machine Dimensions (L x W x H)	7.5 x 1.9 x 2.5 m
Machine Weight	16.8 t

### Applications

Target Applications	Thin-wall Packaging, PP Products, High-volume Production, Complex Components
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