

# High Speed Injection Molding Machine for Thin-Wall Products

This high-speed injection molding machine is designed for PP thin-wall products. It is widely used in the packaging industry.



## ADDITIONAL IMAGES



## Overview

### High-Speed Solution for Thin-Wall Packaging

The GEK series is a high-performance injection molding machine specifically engineered for the production of PP thin-wall products. It is widely utilized across the packaging industry, offering the speed and precision required for high-volume manufacturing. With a robust clamping force and optimized injection rates, this machine ensures consistent quality and short cycle times for intricate plastic components.

## Key Performance Metrics

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**2300 kN**

Clamping Force

**379 g/s**

Injection Rate

**170 MPa**

Injection Pressure

**275 g**

Injection Weight (PP)

## Injection Unit

Screw Diameter	50 mm
Theoretical Shot Volume	382 cm <sup>3</sup>
Plasticizing Capacity (PP)	38 g/s

## Clamping Unit

Mold Stroke	490 mm
Space Between Tie Bars	520 x 517 mm
Mold Thickness (Max/Min)	550 mm / 200 mm

## Ejector System

### Ejector Specifications

Parameter	Value
Ejector Stroke	100 mm
Ejector Force	62 kN
Number of Ejectors	9 pcs

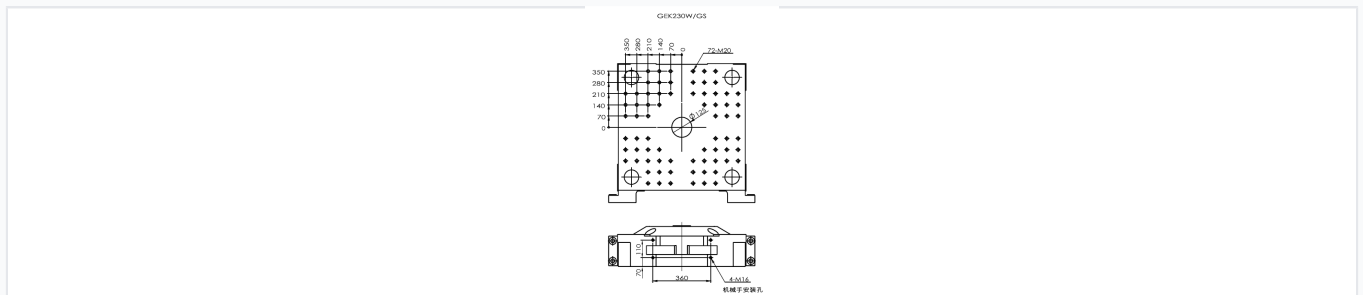
### Power & Dimensions

Pump Motor Power	67 kW
Heater Power	28.4 kW
Machine Dimensions (LxWxH)	6.0 x 1.7 x 2.2 m
Machine Weight	8.4 t

### Applications

Target Applications	Thin-Wall Packaging, PP Products, Automotive Components, Electronics, Consumer Goods
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### Technical Features



Detailed technical drawing showing the platen dimensions, mounting hole patterns (72-M20), and robotic arm installation points (4-M16).

### Mechanical Features

- High-performance screw and barrel assembly
- Advanced control system for precise parameter adjustment
- Energy-efficient components
- Robotic arm installation interface (4-M16 mounting holes)
- 72-M20 threaded hole pattern for mold mounting