

High Speed Injection Molding Machine

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 Injection Molding for Packaging

The GEK series high-speed injection molding machine is specifically engineered for the production of PP thin-wall products. It is widely utilized across the packaging industry where high-volume manufacturing and tight tolerances are essential. This robust system features a high-performance injection unit and advanced control systems to ensure accurate material metering and precise plastic part production.

Performance Metrics

Key Performance Metrics

2700 kN

Clamping Force

474 g/s

Injection Rate

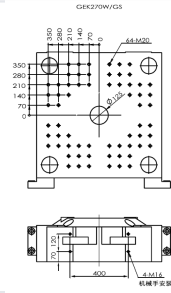
170 MPa

Injection Pressure

Injection Unit

Screw Diameter	50 mm
Theoretical Shot Volume	382 cm ³
Injection Weight (PP)	275 g
Plasticizing Capacity (PP)	38 g/s

Clamping Unit



Detailed platen dimensions and mounting hole patterns for mold and robotic arm installation.

Mold Stroke	540 mm
Space Between Tie Bars	570 x 555 mm
Mold Thickness (Min-Max)	220 mm - 580 mm

Ejection System

Ejection Specifications

Parameter	Value
Ejector Stroke	110 mm
Ejector Force	62 kN
Number of Ejectors	9 pc

Power & Dimensions

Power & Energy

- Pump Motor Power: 36.7+36.7 kW
- Heater Power: 28.4 kW
- Max Pump Pressure: 16 MPa

Physical Dimensions

Dimension	Measurement
Machine Size (LxWxH)	6.7 x 1.8 x 2.2 m
Machine Weight	11.1 t

Technical Features

Applications & Features

PP Thin-Wall, Packaging Industry, High-Volume Manufacturing, Precision Control, Robotic Arm Compatible