

# 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

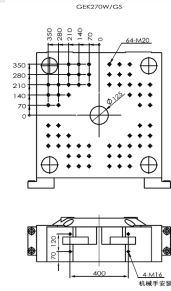
**170 MPa**

Injection Pressure

## Injection Unit

|                            |                     |
|----------------------------|---------------------|
| Screw Diameter             | 50 mm               |
| Theoretical Shot Volume    | 382 cm <sup>3</sup> |
| 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.

|                                 |                 |
|---------------------------------|-----------------|
| <b>Mold Stroke</b>              | 540 mm          |
| <b>Space Between Tie Bars</b>   | 570 x 555 mm    |
| <b>Mold Thickness (Min-Max)</b> | 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