

# 470-Ton High-Speed Injection Molding Machine

This high-speed injection molding machine is designed for PP thin-wall products and is widely used in the packaging industry. It features a 470-ton clamping force, ensuring consistent mold closure and part quality.



## 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 470-ton clamping force and rapid injection rates, this machine ensures consistent quality and precision for high-volume manufacturing. Its advanced design focuses on reducing cycle times while maintaining the structural integrity of complex plastic components.

## Key Performance Metrics

MACHINE MODEL		GEK470W-GS
Screw diameter	mm	56
Theoretical shot volume	cm <sup>3</sup>	640
Injection weight(PP)	g	460
Injection pressure	MPa	160
Plasticizing capacity(PP)	g/s	49
Injection rate	g/s	989
Clamping force	kN	4700
Mold stroke	mm	720
Space between tie bars	mm*mm	705×705
Max. Mold thickness	mm	730
Min. Mold thickness	mm	300
Ejector stroke	mm	110
Ejector force	kN	80
No. of ejector	pc	13
MAX. pump pressure	MPa	17.5
Pump motor power	KW	50+50
Heater power	KW	29.5
Out size of the machine	m	8.5×1.8×2.4
Weight of the machine	t	18.8

Detailed technical parameters for the GEK470W/GS model, highlighting injection capacity and clamping force.

### Performance Highlights

**4700 kN**

Clamping Force

**989 g/s**

Injection Rate

**160 MPa**

Injection Pressure

**460 g**

Injection Weight (PP)

## Injection Unit

Screw Diameter	56 mm
Theoretical Shot Volume	640 cm <sup>3</sup>
Plasticizing Capacity (PP)	49 g/s

## Clamping Unit

Mold Stroke	720 mm
Space Between Tie Bars	705 x 705 mm
Mold Thickness (Max/Min)	730 mm / 300 mm

## Ejector System

### Ejector Specifications

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

## Power & Dimensions

Pump Motor Power	50 + 50 kW
Heater Power	29.5 kW
Machine Dimensions (L x W x H)	8.5 x 1.9 x 2.4 m
Machine Weight	18.8 t

## Applications

Target Industries	Packaging Industry, Thin-Wall Products, PP Material Processing, High-Volume Manufacturing
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