

High Speed Injection Molding Machine for Thin-Wall Products

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



ADDITIONAL IMAGES



Overview

MACHINE MODEL		GEK170W/GS
Screw diameter	mm	45
Theoretical shot volume	cm ³	334
Injection weight(PP)	g	240
Injection pressure	MPa	170
Plasticizing capacity(PP)	g/s	30
Injection rate	g/s	295
Clamping force	kN	1700
Mold stroke	mm	430
Space between tie bars	mm*mm	460×460
Max. Mold thickness	mm	520
Min. Mold thickness	mm	180
Ejector stroke	mm	100
Ejector force	kN	35
No. of ejector	pc	5
MAX. pump pressure	MPa	16
Pump motor power	kW	56
Heater power	kW	23.4
Out size of the machine	m	5.4×1.4×2.0
Weight of the machine	t	6.8

Detailed technical parameters including injection capacity, clamping force, and machine dimensions.

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 demanding packaging industry. Featuring a robust 170-ton clamping force and a high-performance injection unit, it ensures fast cycle times and consistent part quality. This machine combines precision control with energy-saving features to optimize high-volume manufacturing while minimizing operational costs.

Key Performance Metrics

Key Performance Metrics

1700 kN

Clamping Force

295 g/s

Injection Rate

240 g

Injection Weight (PP)

56 kW

Pump Motor Power

Injection Unit

Screw Diameter	45 mm
Theoretical Shot Volume	334 cm ³
Injection Pressure	170 MPa
Plasticizing Capacity (PP)	30 g/s

Clamping Unit

Mold Stroke	430 mm
Space Between Tie Bars	460 x 460 mm
Mold Thickness (Max/Min)	520mm / 180mm

Ejector System

Ejector Specifications

Parameter	Value
Ejector Stroke	100 mm
Ejector Force	35 kN
Number of Ejectors	5 pc

Power & Dimensions

Maximum Pump Pressure	16 MPa
Heater Power	23.4 kW
Overall Dimensions (LxWxH)	5.4 x 1.4 x 2.0 m
Machine Weight	6.8 t

Application

Target Applications	PP Thin-Wall Products, Packaging Industry, High-Volume Manufacturing, Precision Plastic Components
---------------------	--