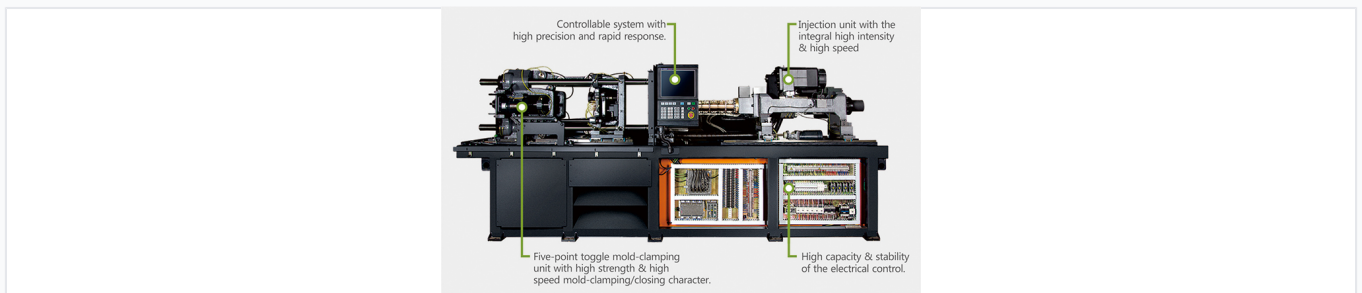


# Full Electric Injection Molding Machine

This electric injection molding machine is designed for precision and energy efficiency. It features an advanced control system for optimized molding cycles.



## Overview



The machine features a high-precision controllable system and a robust five-point toggle mold-clamping unit for rapid, stable performance.

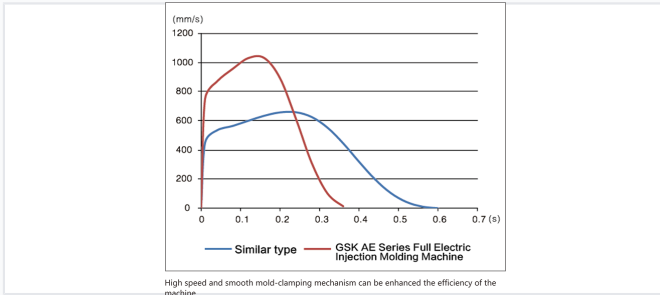
## High-Precision Full Electric Molding

This full electric injection molding machine is engineered for exceptional precision, speed, and energy efficiency. By utilizing advanced servo control and heavy-duty ball screw technology, it delivers consistent, high-quality production across diverse applications including electronics, medical devices, and optics. Its all-electric design eliminates hydraulic oil usage, offering a cleaner, quieter, and more environmentally friendly manufacturing solution.

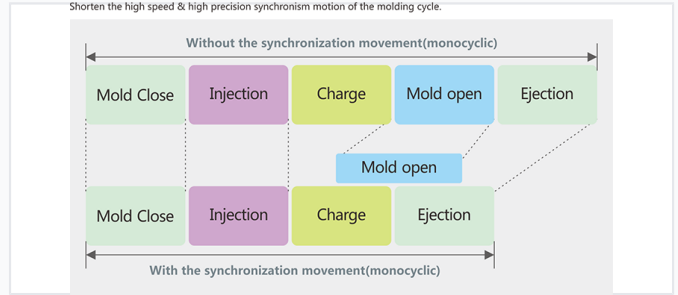
## Key Features

<b>Suitable Applications</b>	Electronics, Communication, Optics, Medical Equipment, Food Packaging, Consumer Goods
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## Injection Performance



Performance analysis showing faster initial injection speed and rapid deceleration for improved cycle times.



Optimized operational sequence using synchronized movement to enhance efficiency in plastic injection molding.

## Injection Performance

**50 ton**

Clamping Force

**500 mm/s**

Max Injection Speed

**289 Mpa**

Max Injection Pressure

## Injection Unit Specifications

Metric	Range/Value
Screw Diameter	18 - 28 mm
Injection Capacity	19 - 61.6 cm <sup>3</sup>
Injection Weight (PS)	18 - 58.5 g
Injection Rate	114 - 196 cm <sup>3</sup> /s
Plasticizing Capacity	17 - 46 Kg/h

## Clamping and Dimensions



Integrated high-performance servo motor and heavy-loading ball screws ensure reliable, accurate linear motion.

## Clamping System

- Clamping Type: Five-point toggle
- Clamping Force: 50 ton
- Drive Travel: 250 mm
- Ejecting Force: 20 kN
- Ejection Stroke: 70 mm
- Number of Thimbles: 5

**Machine Dimensions** 3.71m x 1.02m x 2.06m

**Machine Weight** 3.2 t