

# Full Electric Injection Molding Machine

This full electric injection molding machine is designed for high-precision plastic part manufacturing. It utilizes a servo-driven system for energy efficiency and accurate, repeatable molding cycles.



## Overview



Example of high-precision parts produced by the machine.

### High-Precision Electric Injection Molding

This full electric injection molding machine represents a significant advancement in precision manufacturing technology. Engineered for high-speed operation and exceptional energy efficiency, it delivers consistent, repeatable molding cycles suitable for demanding industries. Its robust mechanical design and advanced servo control systems ensure reliable performance for complex, intricate components.

#### Suitable Industries

Medical Devices, Electronics, Telecommunications, Optical Components, Food Packaging, Consumer Goods

## Injection Performance

Parameter	Unit	Value
Shot weight	kg	250
Shot weight	kg	300
Shot weight	kg	350
Shot weight	kg	400
Shot weight	kg	450
Shot weight	kg	500
Shot weight	kg	550
Shot weight	kg	600
Shot weight	kg	650
Shot weight	kg	700
Shot weight	kg	750
Shot weight	kg	800
Shot weight	kg	850
Shot weight	kg	900
Shot weight	kg	950
Shot weight	kg	1000
Shot weight	kg	1050
Shot weight	kg	1100
Shot weight	kg	1150
Shot weight	kg	1200
Shot weight	kg	1250
Shot weight	kg	1300
Shot weight	kg	1350
Shot weight	kg	1400
Shot weight	kg	1450
Shot weight	kg	1500
Shot weight	kg	1550
Shot weight	kg	1600
Shot weight	kg	1650
Shot weight	kg	1700
Shot weight	kg	1750
Shot weight	kg	1800
Shot weight	kg	1850
Shot weight	kg	1900
Shot weight	kg	1950
Shot weight	kg	2000
Shot weight	kg	2050
Shot weight	kg	2100
Shot weight	kg	2150
Shot weight	kg	2200
Shot weight	kg	2250
Shot weight	kg	2300
Shot weight	kg	2350
Shot weight	kg	2400
Shot weight	kg	2450
Shot weight	kg	2500
Shot weight	kg	2550
Shot weight	kg	2600
Shot weight	kg	2650
Shot weight	kg	2700
Shot weight	kg	2750
Shot weight	kg	2800
Shot weight	kg	2850
Shot weight	kg	2900
Shot weight	kg	2950
Shot weight	kg	3000
Shot weight	kg	3050
Shot weight	kg	3100
Shot weight	kg	3150
Shot weight	kg	3200
Shot weight	kg	3250
Shot weight	kg	3300
Shot weight	kg	3350
Shot weight	kg	3400
Shot weight	kg	3450
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Shot weight	kg	4000
Shot weight	kg	4050
Shot weight	kg	4100
Shot weight	kg	4150
Shot weight	kg	4200
Shot weight	kg	4250
Shot weight	kg	4300
Shot weight	kg	4350
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Shot weight	kg	5000
Shot weight	kg	5050
Shot weight	kg	5100
Shot weight	kg	5150
Shot weight	kg	5200
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Shot weight	kg	6050
Shot weight	kg	6100
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Shot weight	kg	8100
Shot weight	kg	8150
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Shot weight	kg	9050
Shot weight	kg	9100
Shot weight	kg	9150
Shot weight	kg	9200
Shot weight	kg	9250
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Shot weight	kg	9700
Shot weight	kg	9750
Shot weight	kg	9800
Shot weight	kg	9850
Shot weight	kg	9900
Shot weight	kg	9950
Shot weight	kg	10000

Detailed view of the injection unit and core technical parameters.

## Injection Capabilities

**100 ton**

Clamping Force

**340 mm/s**

Max Injection Speed

**188 cm<sup>3</sup>**

Max Injection Capacity

## Injection Unit Specifications

Parameter	Range
Screw Diameter	25 - 40 mm
Injection Weight (PS)	51 - 179 g
Max Injection Pressure	169 - 287 MPa
Plasticizing Capacity	27 - 106 Kg/h

## Clamping Unit

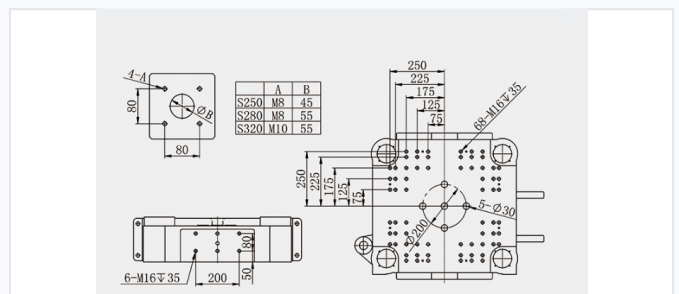
### Clamping Specifications

- Clamping Force: 100 tons
- Drive Travel: 350 mm
- Minimum Mould Thickness: 200 mm
- Maximum Mould Thickness: 410 mm
- Mould Size Range: 325x325 mm to 460x410 mm

## Mechanical Dimensions

	height)				
	Ejecting force	kN	25		
	Ejection stroke	mm	100		
	Number of thimble	of	5		
Other information	Overall dimensions (length X width X height)	m	4.85X1.28X2.24		
	Machine weight	t	5.3	5.4	5.5

Dimensional diagram and physical weight specifications for the unit.



Detailed technical drawing showing mounting points and structural dimensions.

## Physical Dimensions & Weight

- Overall Dimensions: 4.85m x 1.28m x 2.24m
- Machine Weight: 5.3t - 5.5t
- Ejecting Force: 25 kN
- Ejection Stroke: 100 mm