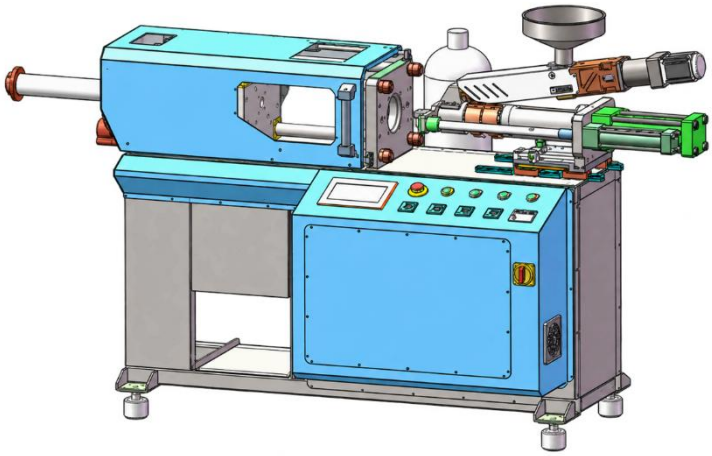
Desktop Injection Molding Machine - Top 3 Intro



50 g Machine with Accumulator-Assisted Injection & NRM

1. Overview

Top 3 combines 25 ton servo ball-screw clamping with accumulator-assisted hydraulic injection at up to 160 MPa. Designed for prototyping, education and small-batch manufacturing, it offers a 400 mm closing mold travel, four heating zones up to 400°C, and a compact integrated base. Automatic nozzle retraction supports ABS and PC processing, while a 60 mm servo ejector with adjustable distance and speed and a 7-inch touchscreen simplify setup and operation.

2. Feature

2.1. **Automatic nozzle retraction.** Helps reduce gate blockage caused by nozzle drool when processing ABS and PC.

2.2. **Reliable clamping force.** Servo ball-screw clamping delivers up to 25 tons of clamping force for stable molding.

2.3. **Greater mold compatibility.** 400 mm closing mold travel and a minimum mold thickness of 120 mm support diverse tooling requirements.

2.4. **High-temperature molding.** Four heating zones reach up to 400°C, with temperature control accuracy of ±1°C.

2.5. **Intuitive operation.** A 7-inch color touchscreen with a multilingual interface simplifies setup and operation.

2.6. **Efficient servo ejection.** A 60 mm servo ejector stroke with adjustable distance and speed supports automatic part removal.

2.7. **Compact industrial design.** An integrated base suits laboratories, education and small-batch production.

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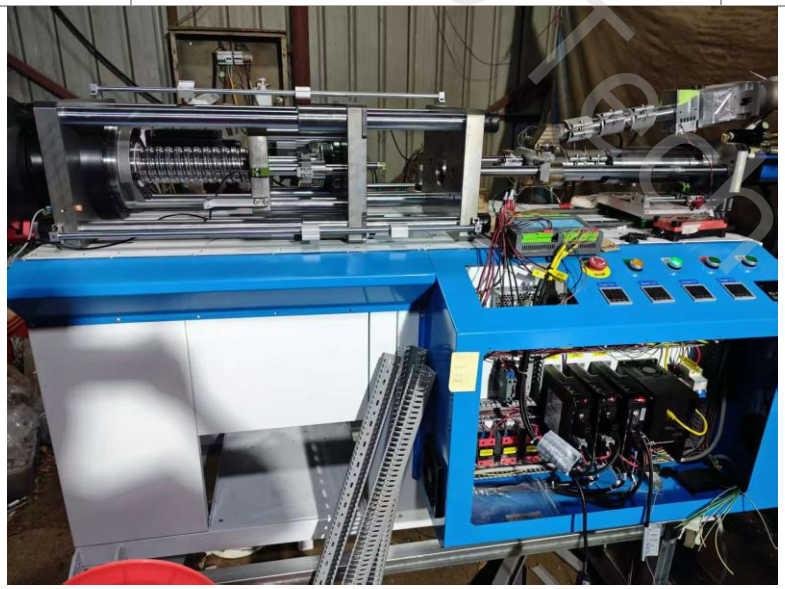
3. Specs

Machine dimensions	L192 × W98 × H128 cm	**Packing dimensions**	To be confirmed
Net weight	To be confirmed	**Gross weight**	To be confirmed
Motor power	5 kW	**Heating power**	3 kW
Hydraulic system pressure	12 MPa	**Oil tank capacity**	60 L
Power supply	220 V single phase	**Closing mold travel**	400 mm
Screw diameter	20 mm	**Screw stroke**	150 mm
Screw speed	150 rpm	**Injection volume**	73 cm^3
Plunger diameter	25 mm	**Plunger stroke**	150 mm
Max shot weight PS	50 g	**Max injection pressure**	160 MPa
Injection rate	50 cm^3/s	**Injection speed**	100 mm/s
Heating zones	4	**Max heating temperature**	400°C
Nozzle protrusion from platen	20 mm	**Temperature control accuracy**	±1°C
Injection method	Accumulator-assisted hydraulic injection	**Maximum daylight**	450 mm
Clamping force	25 tons	**Platen dimensions**	380 × 280 mm
Minimum mold thickness	120 mm	**Ejector force**	35 kg
Maximum mold size	280 × 380 mm	**Ejector drive**	Servo
Ejector stroke	60 mm	**Nozzle retraction NRM**	Included
Clamping method	Servo ball screw		

4. Optional

No.	Name	Description	Price
1	**Thermal Insulation**	For heating temperatures up to 400°C	
2	**2 kg Dryer**	Capacity 2 kg; N.W. 15 kg	
3	**Material Loader**	Conveying capacity 50 kg/hr; N.W. 3 kg	
4	**15 kg Storage Hopper**	Capacity 15 kg	
5	**3-axis Part Removal Robot**	Automatic part removal and molding assistance	

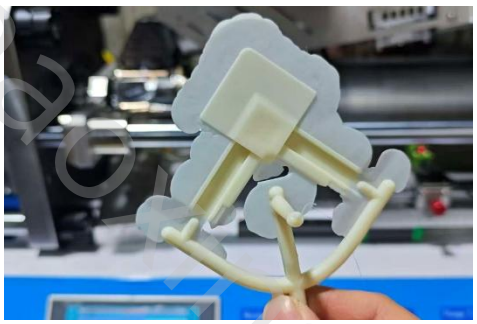




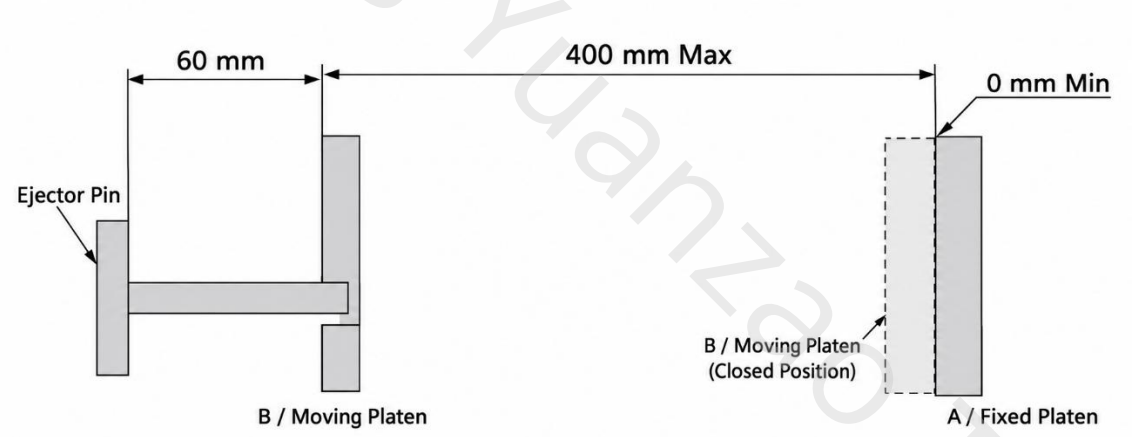
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5. Case






6. Platen Stroke



Ball screw clamping | Mold opening stroke: 400 mm | Maximum platen distance: 400 mm

7. Warranty

7.1. The warranty period is 12 months. During this period, parts for failures not caused by misuse are provided free of charge, with remote replacement guidance.

7.2. After the warranty period, replacement parts are available at cost, or purchasing channels can be provided.

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