

# Desktop Plastic Injection Molding Machine

This desktop injection molding machine is designed for producing small plastic parts. It features a compact design, making it suitable for laboratory and prototyping environments.



## ADDITIONAL IMAGES



## Overview

### Compact Precision Molding Solution

This desktop injection molding machine is a compact and efficient solution designed for small-scale plastic part production, prototyping, and educational purposes. It features a user-friendly interface with precise control over injection parameters such as temperature, pressure, and cycle time. Built for durability and consistent performance, it is ideal for laboratories and workshops where space is limited but industrial-grade functionality is required.

## Technical Capabilities

### Key Features

- Precise temperature and pressure adjustment
- Robust clamping system for mold stability
- Advanced control system for parameter consistency
- Suitable for intricate designs and small-scale manufacturing
- Reduced hydraulic energy consumption

## Material Compatibility

### Compatible Materials

Thermoplastics, PC, PMMA, Fiber Glass Reinforced Plastic

## Physical Dimensions

### Mold Size

**14.5 cm**

Mold Width

**13 cm**

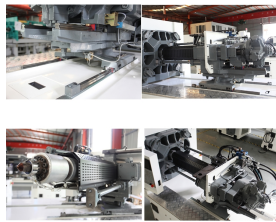
Mold Height

### Holder Slot Dimensions

Dimension Type	Measurement
Slot Width	2.5 cm
Slot Depth	1.3 cm
Base Height	1 cm

## Injection Unit

### INJECTION UNIT 注射单元



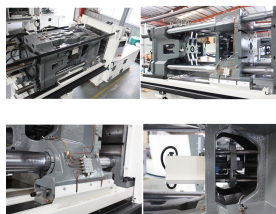
High-precision injection unit designed for consistent part quality and intricate designs.

### Injection Precision

High-precision unit designed for minimal material waste

## Clamping Unit

### CLAMPING UNIT 锁模单元



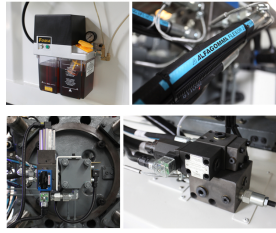
The robust clamping unit ensures mold stability and precision during the injection cycle.

### Clamping Stability

Yes

## Hydraulic Unit

### HYDRAULIC UNIT 液压单元



Efficient hydraulic system designed to minimize energy consumption and cooling requirements.

### System Components

- Hydraulic fluid reservoir
- High-pressure pump
- Directional flow valves
- Integrated pressure gauges

## Electrical Unit

### ELECTRICAL UNIT 电器单元



The electrical unit features a user-friendly interface for precise parameter management.

### Control Interface

Digital interface with real-time status monitoring

## Applications

### Primary Applications

Prototyping • R&D • Education • Low-volume Production