



## Desktop Injection Molding Machine M2 Pro Introduction



### 1. Introduction of equipment

The Desktop Inject M2 series is a desktop injection molding machine designed for makers, numerical control education, and low-cost design and manufacturing. The complete machine can be placed on any desktop operation, in the case of low operating costs to quickly complete the process from design to finished products. Support a variety of plastic material injection molding, PP, PE, ABS, POM, PA PLA, TPU, PMMA. Suitable for precision injection molding production: electronic instruments, auto parts, medical accessories, daily necessities, laboratory supplies, etc.

### 2. Product characteristics

2.1 Compact structure, small footprint. Standardized industrial design, simple operation, easy to use.

2.2 High precision and long life. Highly optimized mechanical mechanism, high performance controller.

2.3 Intelligent control, color touch screen, simple UI, injection pressure curve display, multi language setting, friendly operation system.

2.4 Double servo motor, fast response, higher efficiency, low energy consumption

2.5 Stable performance. High precision ( $\pm 0.5^{\circ}\text{C}$ ) four PID constant temperature control, three barrels and one mold temperature, accurate temperature control.

2.6 Security. Cold start protection, low torque clamping protection, protective door design.

2.7 Alloy barrel (nitride alloy material + quenching and tempering heat treatment), anti-overflow plastic injection head.

### 3. Technical data

M2 standard type			
Equipment size	850×430×500mm	Equipment power	2KW
Net weight	100kg	Gross weight	125kg
Packaging size	1000×650×650 mm	Packaging volume	0.55m <sup>3</sup>
Motor	Servo motor	Locking force	5t
Screw size	16mm	Power supply	220V/110V
Touch screen	7"	Max. injection volume	20g
Max. die size	200×130mm	Min. die thickness	75mm
Max. die thickness	135mm	Injection method	High speed extrusion
Max. injection pressure	600kg (60Mpa)	Max. injection speed	80mm/s
Max. heating temperature	300° C	Max. heating temperature	300°C
Max. ejection stroke	80mm	Heating section	4 section (3 section barrels temperature + 1 section mold temperature)
Heating accuracy	$\pm 0.5^{\circ}\text{C}$	Adaptation materials	PP PE ABS
M2 Precision type (Pro)			
Max. injection volume	10g	Max. injection speed	200mm/s
Max. injection pressure	1000kg (100Mpa)	Adaptation materials	PP PE ABS POM PA PLA TPE PMMA

#### 4. Product



#### 5. Dies



**Paid mold design and manufacturing services, specific to the product**

## **6. Maintenance service**

1. Warranty period is 12 months.
2. Due to man-made damage, improper operation, not in accordance with the instructions or privately remove causing damage is not warranty.
3. During the warranty period, non-human damaged, accessories for free, remote guidance to replace, if the need to return to the factory maintenance back and for the freight borne by the end customer.
4. Equipment is over warranty, we can provide spare parts cost price; can also provide spare parts purchase channels to buy it by end customer.