

Micro Plastic Injection Molding Machine

This micro plastic injection molding machine is designed for forming quick prototypes and small, precise pieces. Driven by servo motors, it eliminates the need for hydraulic parts and features a compact, energy-saving design.



ADDITIONAL IMAGES



Overview

Precision Micro Molding Solution

This all-electric micro plastic injection molding machine is engineered for high-precision prototyping and small-scale manufacturing. Designed by polymer molding experts, it utilizes servo motors instead of hydraulic systems to achieve exceptional accuracy, energy efficiency, and a compact footprint. It is ideal for industries requiring tight tolerances, such as medical device manufacturing and electronics, offering intelligent connectivity and rapid cycle times.

Key Features

Key Advantages

All-Electric Servo Drive, Compact Design, Energy-Saving, High Precision, Intelligent Online Control, Low Noise Operation

Performance Metrics

Precision Capabilities

0.005 mm

Clamping Accuracy

0.005 mm

Ejection Accuracy

0.01 g

Injection Weight Tolerance

Speed Performance

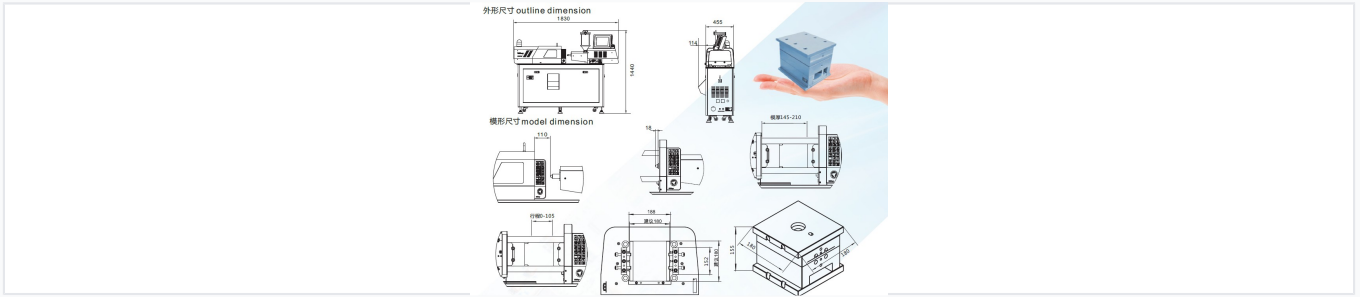
62.5 μs

Min. Control Period

400 mm/s

Max. Injection Speed

Technical Specifications



Detailed outline dimensions and mold clearance specifications.

Model Comparison

Specification	XBOS 8.5T	Classic 15T
Clamp Tonnage (Kn)	86	163
Shot Volume (cm ³)	12	18
Injection Pressure (Mpa)	174	216
Total Power (kw)	3.5	5.5
Energy Consumption (kw/h)	0.7	0.9
Weight (Kg)	380	660

Power Supply

220V 50/60Hz

Connectivity



Intelligent connectivity allows for real-time monitoring and data collection via PC, tablet, or smartphone.

Intelligent Connectivity

- Online remote control capability
- Data collection via LAN
- Compatible with Smartphone, Tablet (PAD), and PC