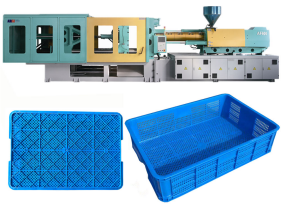
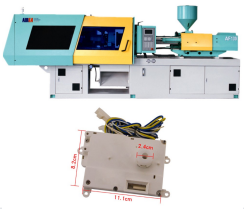
Servo Motor Plastic Injection Molding Machine

This plastic injection molding machine is equipped with a servo motor for energy-efficient operation and precise control. It is ideal for manufacturing mobile phone shells and other precision plastic parts.



ADDITIONAL IMAGES



Product Overview

High-Precision Servo-Driven Injection Molding

The AF220 is a high-performance plastic injection molding machine optimized for the production of precision components like mobile phone shells. It features an advanced servo motor system that ensures significant energy savings while maintaining precise control over the injection process. Built with robust components, this machine is designed for high-volume manufacturing environments requiring consistent quality and optimized cycle times.

Injection Unit

The injection unit utilizes a balanced twin-cylinder system and linear motion guides for precise material delivery.

Injection System Features

- Balanced twin-cylinder injection system
- Injection lubrication system for guide rails
- High-quality linear motion guides
- Ceramic heater bands for uniform heating

Clamping Unit

Clamping unit featuring a whole unit toggle design and high-precision transducers for accurate mold movement.

Clamping Mechanisms

- Whole unit toggle design
- Rear-mounted mechanical safety bar
- High-precision displacement transducer
- High-quality copper guide bushings

Hydraulic System

Detailed view of the hydraulic system featuring imported pumps, high-pressure hoses, and a high-performance oil cooler.

Hydraulic Components

- Imported hydraulic pump
- Imported high-pressure hoses
- Auto lubrication device
- Suction filter with check valve
- High-performance oil cooler

Electrical Control

Advanced electrical control system with digital monitoring for pressure and flow voltage.

Control System

2 Units
Digital Voltmeters

Control Features	TECHMATION HUNTER II Drive, Pressure Voltage Indicators, Flow Voltage Monitoring, Digital Voltmeter Display

Performance & Efficiency

Material Compatibility

PC • PMMA • Fiber Glass Reinforced Plastic • General Engineering Plastics

Efficiency Benefits

- Reduced hydraulic energy consumption
- Minimized cooling water consumption
- Optimized cycle times
- Minimal material waste

Energy Efficiency	Yes