Plastic Injection Molding Equipment with Computer Control

This plastic injection molding machine features computer-controlled operation. It includes a hydraulic unit and clamping unit for efficient and precise manufacturing of plastic parts.

Overview

High-Performance Injection Molding Solution

This advanced plastic injection molding equipment is engineered for precision and efficiency in high-volume manufacturing environments. Featuring a computer-controlled system and a robust hydraulic unit, it ensures consistent quality and operational sensitivity. The machine incorporates a five-point double toggle locking mechanism and optimized platen design, making it a reliable choice for automotive, electronics, and consumer goods production.

Injection Section

Key Injection Features

- Double guiding rod supporting
- Double cylinder balance injection
- One-string hydraulic pressure mold setting
- Power seal single-cylinder push setting

Barrel & Screw Material	Chrome molybdenum steel, processed by nitridation

Control System

Control Interface	Imported special-purpose computer CPU
System Advantages	High execution speed, Improved accuracy, Oil over-temperature alarm

Hydraulic Unit

Performance Features

- Quick mold clamping devices
- Fast-respond control valves

Hydraulic System	Imported advanced hydraulic components with proportional valve control

Clamping Unit

Safety & Protection

- Adjustable mechanical supporting system for moving platen
- Tie bar protection
- Low-pressure mold protection

Mechanism Type	Five-point double toggle locking
Design Methodology	Finite-Element Analysis (FEA) optimized