

# 230-Ton Plastic Injection Molding Machine

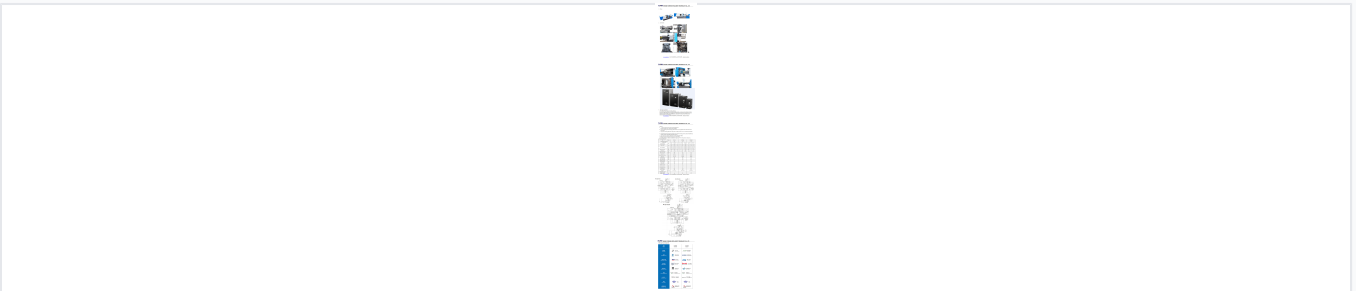
This plastic injection molding machine is engineered for a wide range of applications, especially for auto parts and precise industrial plastic components. It features a servo motor and electrical components.



## ADDITIONAL IMAGES



## Overview



Technical overview of the K-series injection molding machine, highlighting the robust European-style design and large-modulus formwork.

## Precision Injection Molding

This European-style injection molding machine is engineered for high-precision production, making it an ideal solution for manufacturing automotive components and intricate industrial plastic parts. Designed with advanced engineering standards, it features a robust clamping unit and a high-capacity injection system to ensure consistent material delivery and superior product quality. The machine incorporates a high-efficiency servo motor and premium electrical components to provide stable, reliable, and energy-efficient operation for demanding production environments.

## Key Metrics

### Performance Highlights

**2300 kN**

Clamping Force

**398 cm<sup>3</sup>**

Shot Volume

**23 kg/h**

Plasticizing Capacity

## Injection Unit



Detailed breakdown of the machine's technical parameters and main component configurations.

### Injection Specifications (Screw A)

Parameter	Value
Screw Diameter	45 mm
Screw L:D Ratio	22.2
Injection Pressure	2299 Bar
Injection Rate	152 cm <sup>3</sup> /s
Max Screw Speed	200 r/min

## Clamping Unit

### Clamping & Mold Specifications

Parameter	Value
Opening Stroke	520 mm
Min Mold Height	220 mm
Max Mold Height	570 mm
Ejector Force	80 kN
Number of Ejectors	9

## System & Utility

### System Requirements

- Pump Motor Power: 24 kW
- Heating Power: 14.0 kW
- System Pressure: 175 Bar
- Oil Tank Capacity: 200 L
- Hopper Capacity: 50 kg

## Construction

### Physical Dimensions

- Machine Dimensions: 5.8 x 1.4 x 2.2 m
- Machine Weight: 7 t

## Features

### Design Advantages

European Design Style, T-Groove Formwork, Servo Motor Drive, Stable Platen Movement, Large Servo Electric Cabinet