

# Plastic Injection Molding Machine

This plastic injection molding machine features a double cylinder injection system and a variable displacement pump system. It offers precise control over injection parameters, ensuring optimal material usage and reduced waste.



## Overview

### High-Precision Injection Molding

The YC90 V/S is a versatile plastic injection molding machine engineered for consistent performance and operational efficiency. It features an advanced servo-driven hydraulic system and a robust five-point double clamping unit to ensure high-quality production across automotive, electronics, and consumer goods sectors. Equipped with a user-friendly 8.7-inch LCD interface and multi-stage control, it offers precise management over injection parameters to minimize waste and optimize material usage.

## Injection Unit

### Key Injection Metrics

**243 MPa**

Max Injection Pressure

**180 r/min**

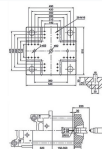
Screw Speed

### Core Technologies

Double cylinder injection, High-torque screw drive, Close-loop temp control, Screw position transducer

## Clamping Unit

Description	YC90 V/S			
	A	B	C	
<b>Injection</b>				
Shot Volume	cm <sup>3</sup>	113	154	181
Shot Weight	g	188	144	170
Shot Weight (PC)	g	17	5.1	5.9
Screw Diameter	mm	50	25	28
Injection Pressure	MPa	243	178	172
Volume of Shot	cm <sup>3</sup>	1911	1901	128.51
Screw Stroke	mm			100
Screw Speed (Optional)	r/min			0-180
<b>Clamping Unit</b>				
Clamping Force	kN			600
Opening Stroke	mm			320
Platen Size	mm x mm			540x540
Space Between Tie Bars	mm x mm			360x360
Max. Tie Bar Length	mm			120-260
Hydraulic Injection Stroke	mm			180
Max. Tie Bar Length	mm			600
Hydraulic Injection Stroke	mm			180
Hydraulic Injection Force	kN			31
<b>Pump Unit</b>				
Hydraulic System Pressure	MPa			30
Pump Motor (kW)	kW			93.2
Working Capacity	g/h			1.5
Number of Temp Control Zones				3+1 (optional)
<b>General</b>				
Oil Cooler Type	mm			1.1
Oil Tank Capacity	L			180
Machine Dimensions	mm x mm x mm			4200 x 1617 x 2100
Machine Weight	kg			6100



Technical diagram showing clamping unit and injection parameters.

### Clamping Specifications

Metric	Value
Clamping Force	900 kN
Opening Stroke	320 mm
Platen Size	540x540 mm
Tie Bar Space	360x360 mm
Mold Thickness	150-360 mm

## Electrical Control

### System Controls

- 8.7" LCD color screen
- 200 sets of mold memory
- Hardware I/O testing
- Emergency stop safeguard
- Electric motor safety protection

## General Specifications

### Physical Dimensions

**4.2 m**

Dimensions

**3500 kg**

Weight

## Optional Device

### Available Upgrades

Accumulator fast injection • Core pull fittings • Air blast fittings • Extended nozzle • Special plasticize assembly