

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

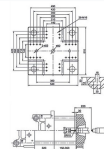
Screw Speed

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	
Injection				
Shot Volume	cm ³	113	154	181
Shot Weight	g	188	144	170
Shot Weight (PC)	g	137	54	159
Screw Diameter	mm	50	25	25
Injection Pressure	MPa	243	178	172
Volume of Shot	cm ³	1911	1901	128.51
Screw Stroke	mm			100
Screw Speed (Optional)	r/min			0-180
Clamping Unit				
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 System	mm			600
Hydraulic Injection System	mm			180
Hydraulic Injection Force	kN			31
Pump Unit				
Hydraulic System Pressure	MPa			20
Pump Motor (kW)	kW			93.2
Injection Capacity	g/s			13.2
Number of Temp Control Zones				3+1 (optional)
General				
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