



Product Catalogue of SSF500-K5 Plastic Injection Molding Machine

1. Parameters

Items	Parameter	Unit	Parameter Value (SSF500-K5)	
			A	B
Injection Unit	Screw diameter	mm	28	30
	Screw L/D ratio	L/D	19	17.7
	shot volumn (theoretical)	Cm ³	70	80
	injection weight(PS)	g	64	73
	plasticizing capacity	g/s	6.9	7.7
	injection rate	g/s	43	49
	injection pressure	Mpa	224	195
	screw speed	rmp	200	
Clamping unit	clamp force	KN	500	
	open stroke	mm	250	
	distance between tie bars (W*H)	mm	290*270	
	max mould thickness	mm	300	
	min mould thickness	mm	100	
	ejector stroke	mm	65	
	ejector force	KN	20	
	ejector number	PC	1	
	dia of mould location hole	mm	100	
Others	max pump pressure	Mpa	16	
	pump motor power	KW	5.5	
	heating power	KW	4.7	
	machine dimension	m	3.2*1.1*1.6	
	machine weight	T	1.9	
	oil tank capacity	L	115	

2. Main components

Controller	Techmation (Q7 with color screen)
Electric motor	Ningbo
Vane pump	Taiwan high-tech
Direction valve	Taiwan Yuken
Proportioning valve	Taiwan Yuken
Five-star motor	China-Italy joint venture
Electronic ruler	America Fort(3pcs)
Contact device exchanges	Schneider France
Lubricate	Computer lubricate automatically
Airproof piece	Valque Japan DZ Taiwan
Stroke switch	Omron Japan

3. Picture(Machine overview)



4. Characteristics

- a) Colorful computer controller with optional languages;
- b) Chrome plated tie bars with double-cylinder balanced injection system;
- c) Auto lubrication system;
- d) Mould data memory system;
- e) Multi-stage pressure & speed injection;
- f) Back pressure adjustment device;
- g) Low pressure mold protection;
- h) Single hydraulic core pulling and inserting;
- i) Multiple hydraulic ejector knock-out;
- j) Mechanical, electrical safety device;
- k) Hydraulic pressure full proportional control;
- l) Automatic mould adjustment function;
- m) Five-point inward moving toggle system ensure high rigidity and precision for mold clamping and also reducing stress and strain effects;
- n) Oil pipelines are positioned for aesthetic appearance and easy for maintenance;
- o) The moving platen is fitted with adjustable slide support system to improve platen parallelism and provide better tie bar and mould protection and lengthen the working lifetime;
- p) Nozzle alignment is provided using a simple mechanism with fine adjustment for accurate centering;