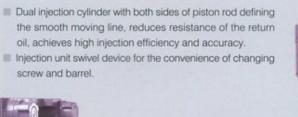




CLE II

Injection







- Multi-design screw rod to match with different resins' requirements
- Multi-design check ring
- 3 PID temperature control, barrel heating by SSR and nozzle control by SCR for constant temperature.







Clamping



Adjustable rollers support the weight of mold and platen and distribute to all the area homogenously for long life operation.

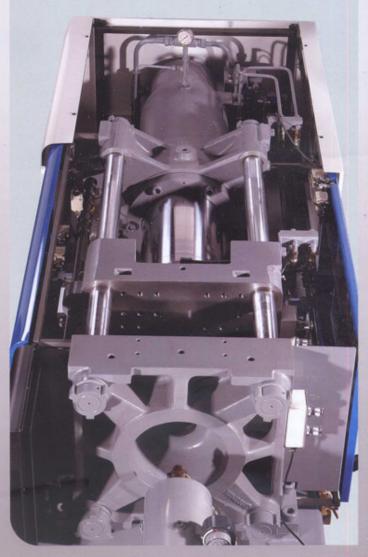


Advanced injection compression function -6 stages of product compression setting.



3 layers of electrical and mechanical clamp safety devices for the operator.

Ram piston fastened to the moving platen sliding under the guide of clamp cylinder makes for very good parallelism of the mold close and open movement.





Control

- Advanced JD computer controller made in Japan.
- German made digital transmission for Injection and Clamp position high accurate detection.
- An isolated CPU for accurate temperature control and PID calculation, special nozzle temperature controlled by SCR.
- Mold moving brake circuit improves the smoothness of switching from high to low speed, protects the mold so as not to be impacted ensuring accurate production and long mold life.
- Closed loop proportional valves and amplifiers to control pressure and speed with stability and repeatability.
- Operator can set every key control parameter with an allowable range for alarm information, can also store 100 shots of reality production data in the controller memory for quality study.
- 100 sets of molding setting data storage in the controller and optional insert CF card for increase up to 800 sets of molding setting.
- 100 data change record.
- 100 alarm time and message record.
- Curves display for injection pressure and speed.
- Standard product pick-up robot interface.

CM series



Machines for high accuracy injection molding requirements

CMseries

Hydraulic RAM type CLF small injection molding machine



Standard Accessories:

	FUNCTION	AND RESIDENCE OF THE PARTY OF T	SPEC.		
	Injection pressure & spec	ed	6 zones		
	Hold pressure and speed	3 zones			
2	Charge back pressure ar	3 zones			
LO CO	Decompression before of	6 zones 3 zones 3 zones 1 zone 2 modes 0 4 zones SSR 1 zone SCR 1 zone PID Auto tunning 60°C Selectable 4 zones 6 zones			
Ö	Decompression after cha	2 modes			
0	Screw RPM display				
Injection control	Resin selection				
J.	Charge distance as per s				
	Protrusion function				
	Auto purge function				
	Barrel temperature contri	ol			
	Barrel control				
-	Nozzle temperature cont				
5	Nozzle constant temp. co	SCR			
0	Throat temperature contr				
Temperature control	Solenoid valve for throat	The state of the s			
2	Temperature control mod	de			
ā	PID parameter setting				
De De	Oil tank temperature read				
E	Max. hyd. Oil temp. settir				
_		Cold screw protect delay 10 minutes			
	Barrel keep warm function				
	One week heater auto O	-			
_	Mold open pressure & sp				
Ę	Mold close pressure & s				
Ö	Mold height setting				
ž	Middle plate slow-down				
Je.	Injection compression se				
E E	Hyd. Ejector FWD/ BWD				
≥	Vibration ejection				
Mold movement control	Ejector backward end co				
90	Core pull (limit switch or				
Σ	Receptacle for core pull	confirmation	4 zones 4 zones Auto 6 zones 2 zones eachs 2 sets 2 sets		
	Air ejector	ller			
E	CLF JD computer contro				
ste	Product pick-up robot in				
S	Monitoring during product				
0	No good product detecti				
ti.	Pre-setting production of				
8	Package quantity achiev	A Control of the Cont			
Functions of control system	Real production data rec Alarm record				
2					
9	Data changing record	Controller			
2	Set data memory	CF card	800 mold		
_		© moid			

Specifications:

MACHINE MODEL		CLF-50CM		CLF-70CM		CLF-100CM			CLF-150CM		CLF-200CM			
INTERNATIONAL CODE	- 9	500H-137		700H-205		1000H-395		1500H-395		2000H-980				
INJECTION UNIT UNIT														
Screw Diameter	mm	28	30	32	36	35	40	45	40	45	50	55		
Theoretical Inj. Volume	cm ³	68	78	117	148	173	226	286	226	286	491	594		
Injection Pressure	kg/cm ²	2009	1750	1750	1383	2285	1750	1382	1750	1382	1747	1444		
Max. Injection Rate	cm³/sec.	80	92	104	132	96	126	159	160	202	228	276		
Shot Weight in GPPS	Gram	61	70	105	133	156	204	258	204	258	443	536		
Plasticizing Rate (GPPS)	g/sec.	8.5	9.8	9.8	12.4	15.8	20.7	26.1	23.1	29.3	34	41.2		
Screw Rotation Speed	RPM	360		254		308		331		285				
Heating Zones	zone	5		5		5		5		5				
Heating Capacity	ting Capacity kw		3.4		6.5		7.45		9		13.9			
CLAMPING UNIT										To Page		TO LET		
Distance Between Columns (H x V)	mm	315 x 315		375 x 375		415 x 415		515 x 515		615 x 615				
Dimension of Platens	mm	460 x 460		550 x 550		600 x 600		730 x 730		850 x 850				
Min. Mold Height	mm	160		170		180		200		230				
Mold Opening Stroke	mm	390		430		520		600		770				
Daylight	mm	mm 550		600		700		800		1000				
Clamping Force	Ton(KN)	50(495)		70 (690)		100 (985)		150 (1475)		200 (1965)				
Ejector Stroke	mm	60		80		80		100		120				
Ejecting Force	Ton(KN)	n(KN) 1.76		2.75(27)		4(39)		4(39)		5.4(52)				
GENERAL DATA									112 60	4				
Pump Driving Motor	Hp (kw)	20(15)		25(18.7)		30(22.4)		40(30)		50(37.4)				
Capacity of Hyd. Reservoir	Liter	190		270		320		480		700				
Machine Dimension (L x W x H)	m	3.4 x 1.2 x 1.66		4.0 x 1.2 x 1.63		4.65 x 1.2 x 1.63		4.9 x 1.35 x 1.76		5.9 x 1.45 x 1.88				
Net Weight	ght Ton 2.5		.5	3.6		4.3		5.8		8.5				

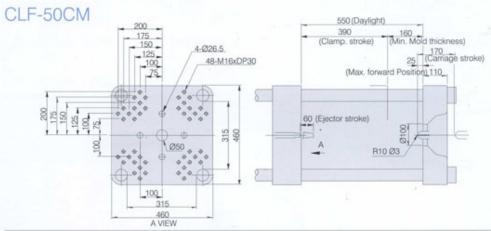
All specifications, dimensions and design characteristics shown in this catalogue are subject to change without notice.

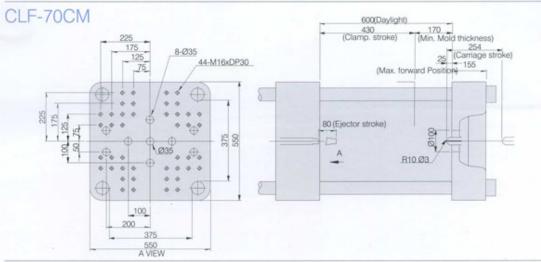


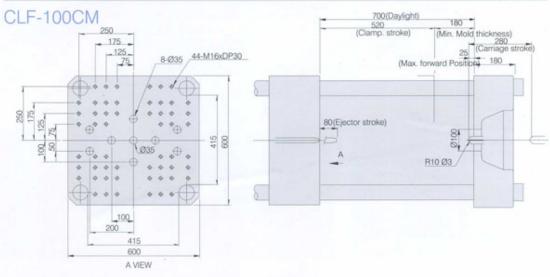


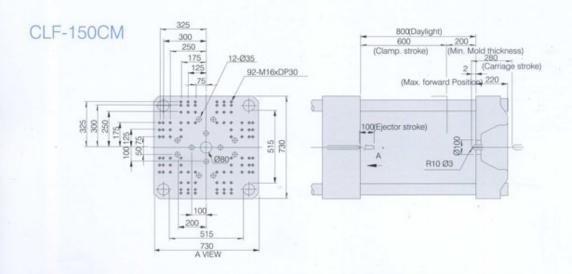


Mold Platen Dimensions:

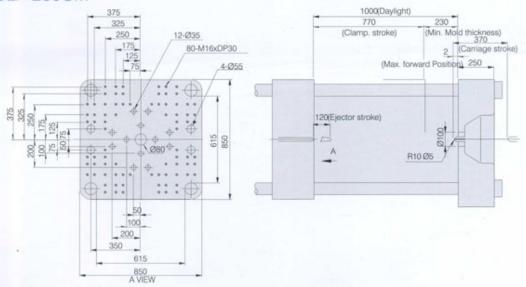


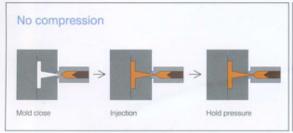


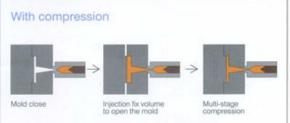




CLF-200CM









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