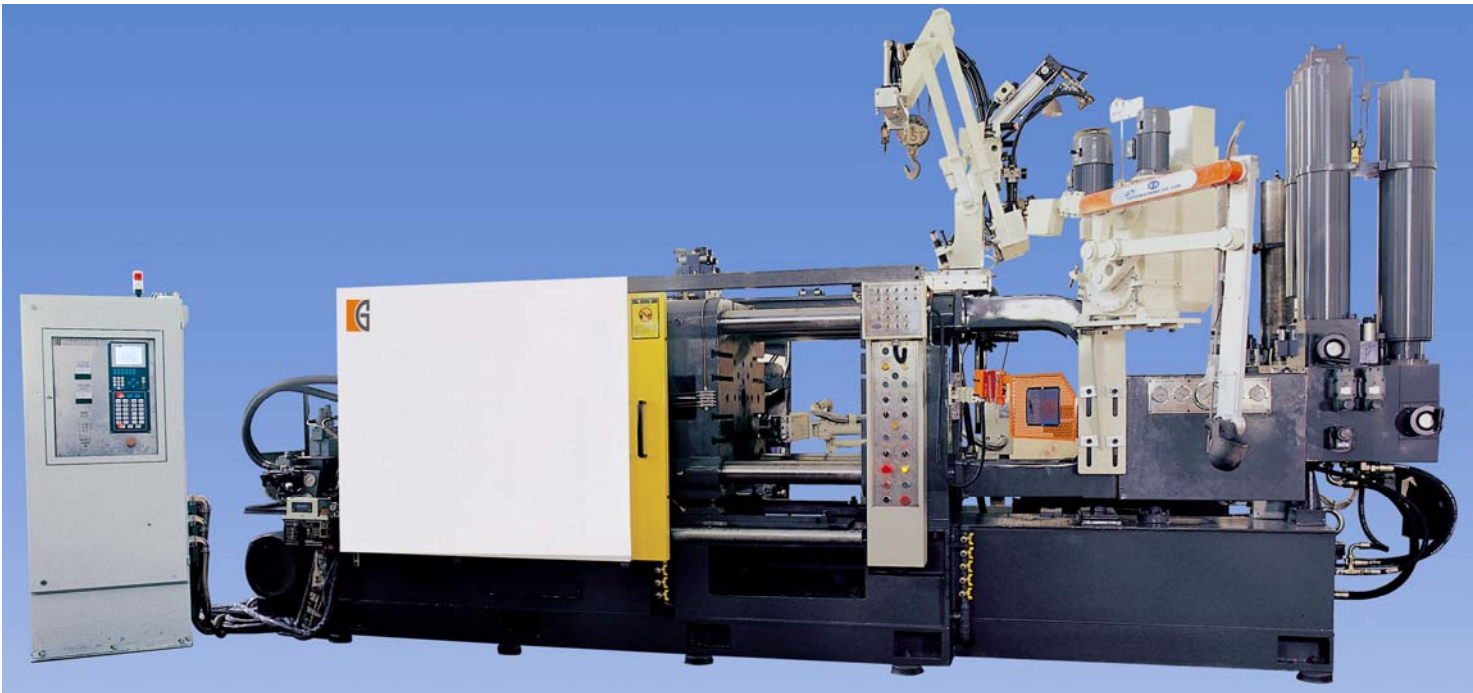




CCM-380 Cold Chamber Horizontal Die Casting Machine



V-FLO GROUP OF COMPANIES LTD.

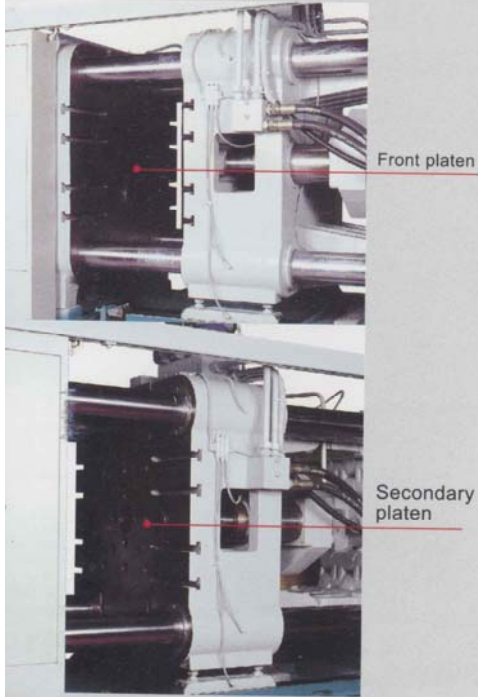
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▲ Electronic Scale

MJ-5000 Computer ▲

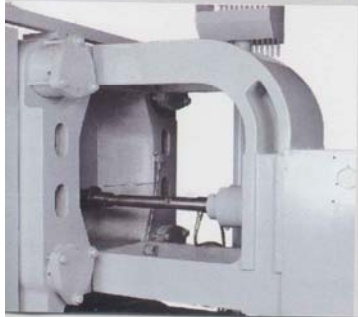
Die platen with cabin type structure ▼



Front platen

Secondary platen

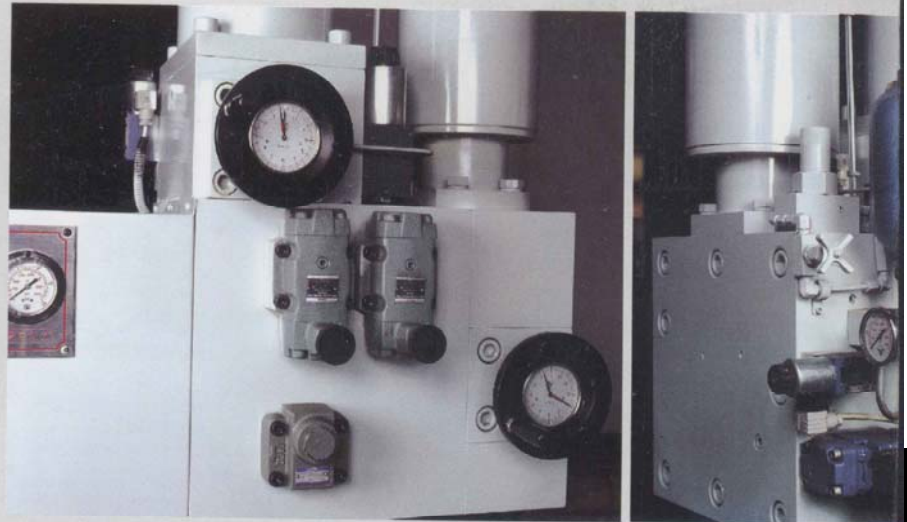
Strong with force C type frame structure ▼



Design properties for high performance CNC cold chamber machine

- ① Adopt newest computer MJ-5000 and electronic scale for numerical operation. Die locking, die adjusting, pressure of ejector and speed are all can be processed by numerical control. Dynamically display die opening, locking and injection, and operate at ease and convenience.
- ② Double pump and double proportional pressure & flow rate control are adopted for hydraulic system, and according to needs, high and low pressure work action can be proceed in one step by one step following a program sequence. It can not only reduce oil temperature lift up speed, but also save energy effectively.
- ③ Slow speed injection, fast speed injection classified into two steps and pressure increasing can all be adjusted independently, with stable pressure, fast injection pressure and no interference to each other! Especially at speedy injection, the injection I fast with strength and excellent in performance.
- ④ Cabin type structure is adopted for front and secondary platen with high rigidity and comparable lighter weight.
- ⑤ Enhanced ribs are adopted for tail platen and C type frame. Frame structure design with firmness and strength.
- ⑥ Design with especially large die height, and larger than similar type of machine.
- ⑦ Mould adjustment gear wheel with hydraulic type has stable transmission, convenient operation and precisely durable.
- ⑧ The automatic lubrication system with type of integrated capacity has made every rotating pairs of machine hinge obtained good lubrication.
- ⑨ The machine is even symmetric and beautiful in configuration, firm and strong. The safety door structure with unique design is safe and reliable, and including that joint-end method for wooden furniture is adopted for door rail. The connections are tightly neat and firm, and hinging up type of installation is adopted for blocking door hinge of machine, and it can be easily dismantled at cleaning and maintenance of machine.
- ⑩ Water-cooling and plunger lubrication system are equipped along with the machine, and to assist the whole machine to achieve reliable and safety production.

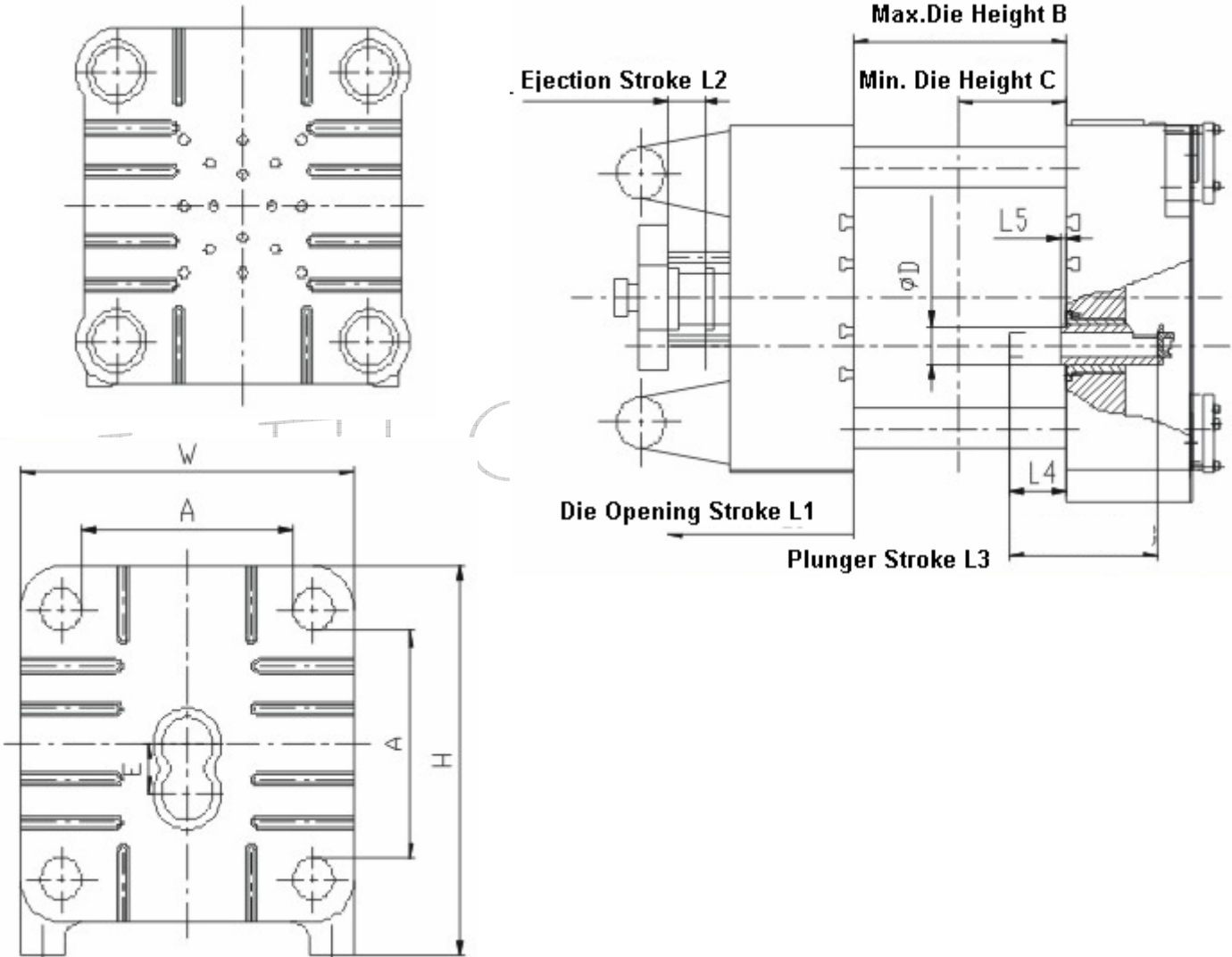
Double pump and double proportional pressure & flow rate control are adopted for hydraulic system.



CCM Series Key Technical Parameter:

Description	unit	Ccm-130	Ccm-180	Ccm-280	Ccm-380	Ccm-500	Ccm-650	Ccm-800
Die Locking System								
Locking Force	ton	130	180	280	380	500	650	800
Tie Bar Spacing	mm	410*410	510*510	580*580	650*650	750*750	780*780	900*900
Die Height	mm	160-450	200-550	300-600	300-700	350-850	350-900	350-950
Die Opening Stroke	mm	290	350	360	425	580	660	750
Platen Size(W*H)	mm	645*692	790*840	930*1010	1076*1163	1260*1400	1296*1448	1400*1495
Ejection System								
Ejection Force	ton	7.3	8.9	14.9	20.3	24.4	32.8	32.65
Ejection Stroke	mm	70	85	100	120	120	150	180
Injection System								
Injection Force	ton	11-20	13.3-21.7	15-29	16-36	22.3-45.5	25.6-60	68
Injection Plunger Diameter	mm	45/50/55	50/55/60	50/60/70	60/70/80	70/80/90	80/90/100	90/100
Plunger Stroke	mm	290	350	415	480	580	600	765
Casting Weight	kg	0.7/0.86/1.0	1.3/1.6/1.9	1.5/2.2/3.0	2.5/3.6/4.7	4.5/5.9/7.5	5.9/7.5/9.2	9.1/11.2
Casting Area	cm ²	95/118/143	121/173/205	189/273/372	298/406/531	423/552/699	542/686/847	765/940
Max. Casting Area	cm ²	325	450	700	950	1250	1625	2000
Max. Casting Pressure	Kg/cm ²	1355/1097/907	1486/1041/875	1477/1024/753	1272/935/715	1182/905/715	1198/947/767	105/85
Working Pressure	Kg/cm ²	140	140	145	145	145	145	140
Motor Rating	kw	15	18.5	22	22	30	37	37
Weight of Machine	ton	5	7	10	13	22	28	40
Over All Dimension (L*W*H)	mm	4495*1015*2165	5390*1186*2364	6360*1335*2660	6860*1500*2900	7500*1530*2650	8300*1700*2950	8670*2020*2780

Mould Platen Dimensions:



Type	A	B	C	ϕD	E	H	W	L1	L2	L3	L4	L5
CCM-130	410	450	160	$\phi 90$	100	692	645	290	70	290	100	10
CCM-180	510	550	200	$\phi 101.6$	100	840	790	350	85	350	135	12
CCM-280	580	600	300	$\phi 101.6$	125	1010	930	360	100	415	157	12
CCM-380	650	700	400	$\phi 101.6$	125	1163	1076	425	120	480	172	12
CCM-00	750	850	350	$\phi 165$	175	1400	1260	580	120	580	250	15
CCM-650	780	900	350	$\phi 165$	200	1448	1296	660	150	600	250	15
CCM-800	900	950	350	$\phi 200$	250	1495	1400	750	180	765	297	20

Cold chamber Die Casting Machine Furnace

Design Renovation & Patented Product

- Without chimney, high efficiency, fast speed, oil saving and environment protection. Unique design, without chimney, and cyclic re-using of residue heat from exhausted gas. Inside and outside of furnace crucible, upper and lower of metal alloy material are heated, and Aluminum metal alloy for 230kg would be melted fully in 2 hours and with its temperature raised to 660°C. (Generally it takes for about 4 to 5 hours for furnace to melt.)
- Utilization of new type fire resisting and heat insulation material Achieved excellent thermostat performance. Temperature for outer case of furnace is at about 80°C (and can be touched by hand).
- Original imported burner: High efficiency and oil saving.

Savings of Fuel Oil
above 30%



- In addition, equipped with heat probe (thermal couple) with $\phi 22\text{mm} \times 600\text{mm}$ in length (at 1000°C). The heat probe is supplied with protective shield and fixed frame. And also, temperature meter and electric control are supplied with special electric cabin and cables long enough, in order for customers easily to install onto supporting pole and wall nearby furnace.