

SA



JNANESH. R. ACHARYA

+91-9930930950  
+91-8850848703

JNANESHR@INDOMAXMACHINES.COM

WWW.INDOMAXMACHINES.COM  
INDOMAX ENGINEERS

B24/3, PARASNATH COMPLEX, MANKOLI ANJUR ROAD,  
VALPADA, THANE-421302, MAHARASHTRA, INDIA  
OFF: +91-9960711940

INFO@INDOMAXMACHINES.COM



# Tailor Made



- 1 PET preform dedicated machine
- 2 UPVC Pipe dedicated machine
- 3 Bakelite dedicated machine
- 4 High speed dedicated machine
- 5 BMC dedicated machine




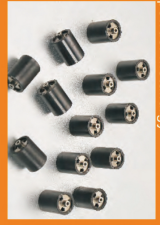















## Screw

UPVC PMMA PA PC CP PPS

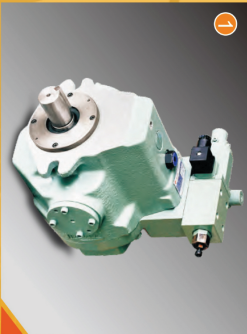
LOG provides universal screws to diverse customers. In order to meet diverse needs of injection also for different plastic types and suit the features of products, to design special screw to satisfy customer's demand, such as: UPVC/PMMA/PA/PC/CP/PPS/PET screw.

## Product display

 appliances industry	 pipe connecting	 automobile spare parts industry	 powder metallurgy	 building materials	 pass box
 food packaging	 bathroom accessory	 acrylic packaging	 shower nozzle	 medical packaging	 PET preform
 cable ties	 electronic components	 gear	 glass	 other plastic products	

# Hydraulic Parts

[www.logge.com.cn](http://www.logge.com.cn) [www.log-machine.com](http://www.log-machine.com)



1

High pressure and efficient variable pump



2

Famous hydraulic parts



3

High precision filtering equipment



4

Oil pipe protection equipment

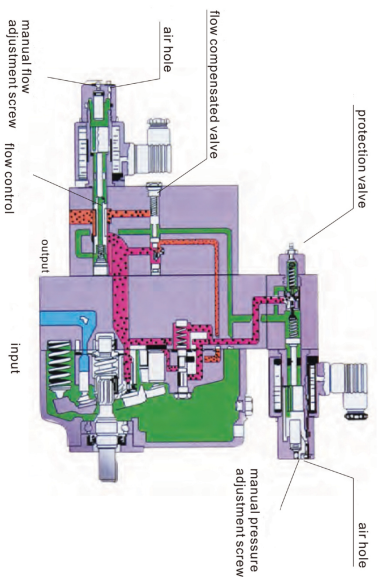


5

High precision lubrication system

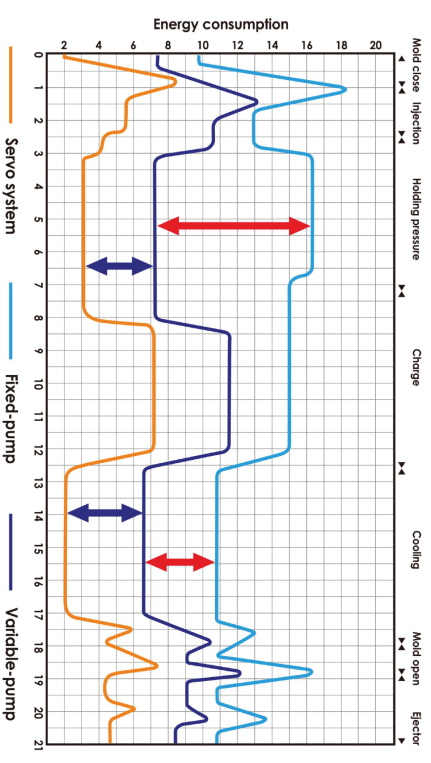
## Energy Saving

As compared with fixed-pump system, it saves power by 30%-70%.



## VDP Pump

High efficiency, energy-saving and high precise proportional pressure and flow variable displacement pump system make the out of the hydraulic system matching the required power for entire machine operation without loss of high pressure throttle and overflow energy. As compared with fixed pump, it saves power by 30%~60%. A motor with same power may be fitted with an oil pump of bigger displacement and thus accelerates the speed of machine. Besides, the low oil temperature will prolong the service life of sealing elements.



# Injection Unit



Sturdy double-cylinder injection



Balanced double-cylinder design



Graphite bush



Low-frictional seals



Moveable bridge-style rack

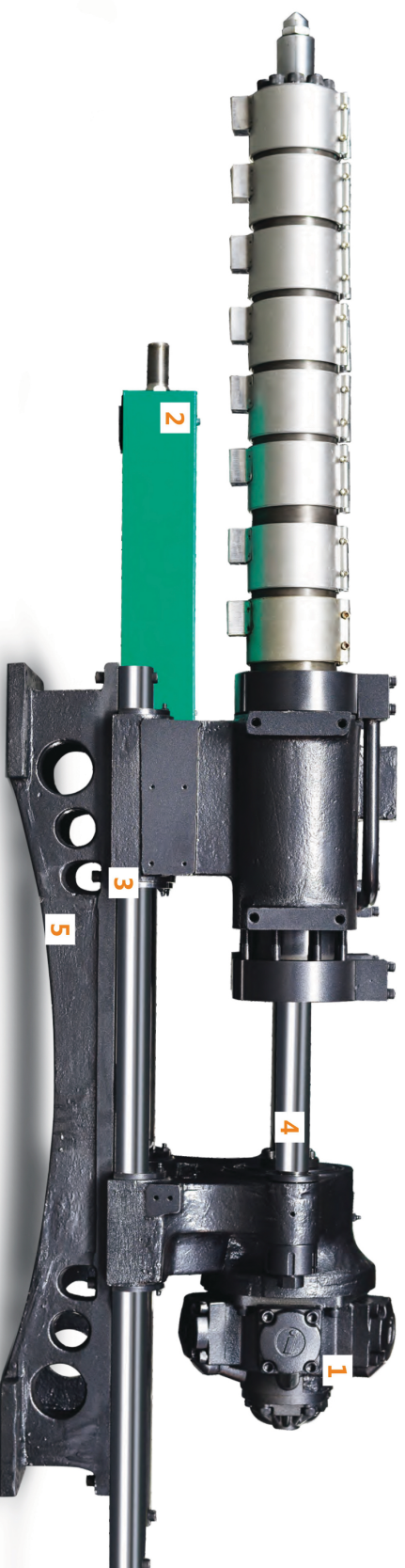
1. Injection unit adopts double-cylinder design, more higher injection pressure, more simpler structure and lower malfunction rate.

2. Enlarged-cylinder, adopting two-cylinder design, effectively prevent the adhesive-material leaking phenomenon caused by the machine vibration or other reasons while the nozzle is under high-speed operation.

3. Adopting graphite bush, improving the wear-resistance, reducing the frequency of using lubrication oil, effectively improve the cleanliness of the injection part.

4. Injection cylinder adopts low-frictional seals, improving the response rate and improve the stability under the complicated processes of injection.

5. Bridge-style design, for different L/D ratio plasticizing parts.



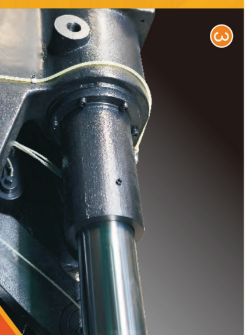
# Clamping Unit



Conjoined toggle



High-hardness platen



Platen flange



Gear-adjusting ring



Graphite bush

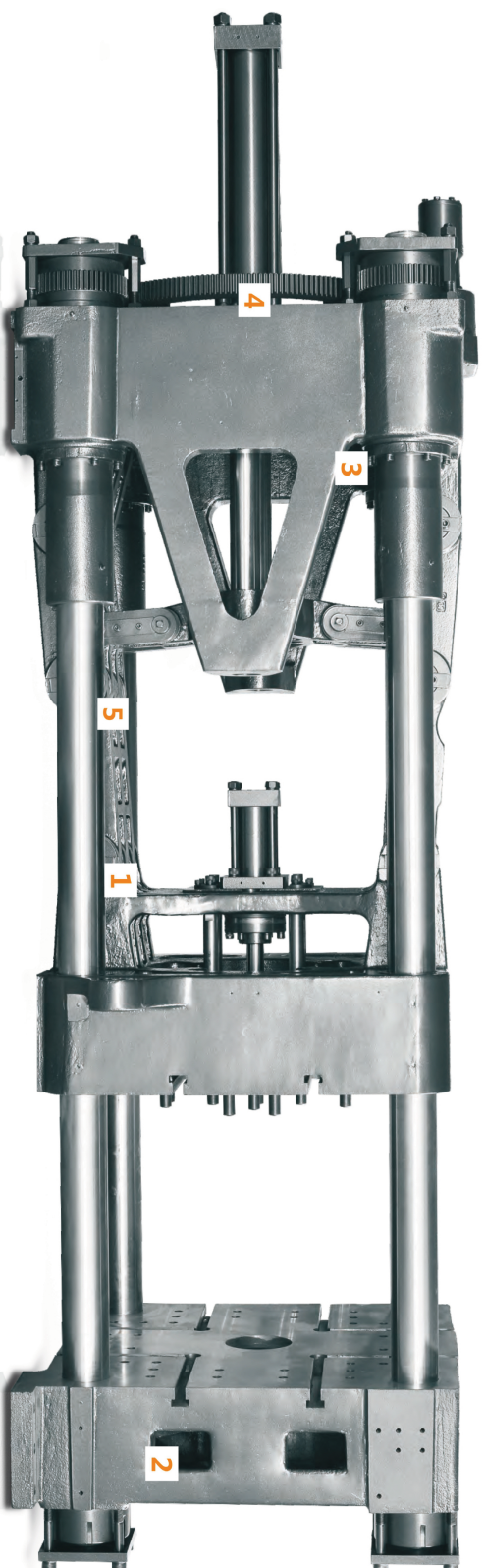
1. Toggle adopting the conjoined structure, improving the hardness of toggle, ensuring the uniform of toggle manufacture-size, minimizing the gap between pipe and pin, improve the accuracy and application life of toggle.

2. First clamping platen using the box-type structure design, thicken the thickness of platen, improving the hardness of platen, efficiently minimizing the deform caused by the force of the bar.

3. Unique third-platen flange design, when the third-platen deforms by the pressure, by the support of flange and the bar, a reverse torque will minimizing the deform of the third-platen.

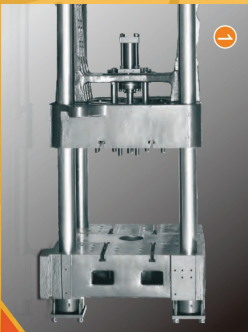
4. Adopting gear-adjusting ring with high-precision, large-scale transfer and compact structure to facilitate customer adjusting the mold thickness in manual or automatic.

5. Steel bush in clamping unit adopts new structure, arrange rational holes of graphite to improve the effect of steel bush lubrication and the wear-resistance, reduces the usage of lubrication oil.



# Summary

**IM** INDOMAX  
ENGINEERS



1  
Clamping unit



2  
Injection unit



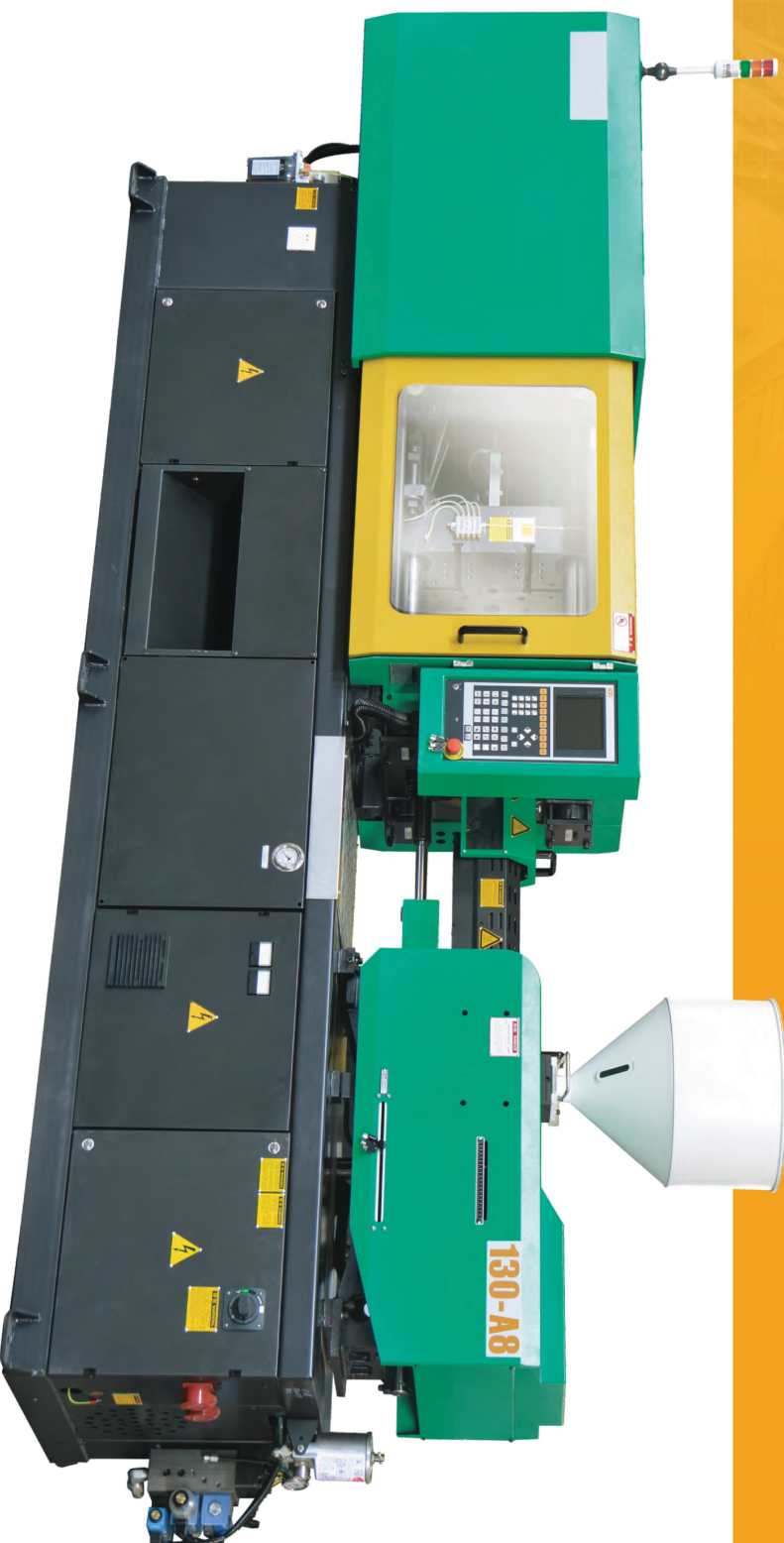
3  
Hydraulic unit



4  
Lubricating unit



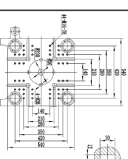
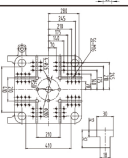
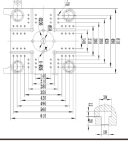
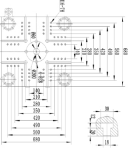
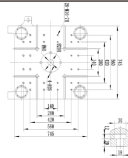
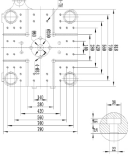
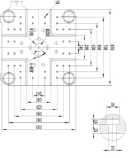
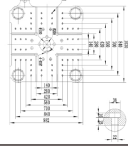
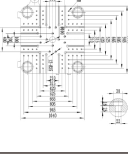
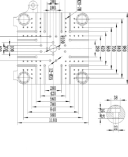
5  
Electric parts



With years of experiences on manufacturing injection molding machine, LOG MACHINE keeps up the market demand, adopting foreign advanced design concept, using high-precision controller and together with energy-efficient variable pump, launching high-precision Series A8 and M6 injection molding machine to the market. Log brand is customer oriented and based on a modular-design engineering ideas, providing reasonable advice and the perfect solution for injection projects. We offer qualified service and provide customer-needed injection molding machine in all different spheres of industry, including in the food packaging industry, household products industry, household appliances industry, electronic industry, auto industry, pipe fittings, toys, gifts and other industries.



## Specifications

Description	Unit	LOG-90			LOG-110			LOG-130			LOG-160			LOG-210			LOG-250			LOG-300			LOG-320			LOG-400			LOG-500		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C			
International recognized models		275/90			370/110			416/130			525/160			630/210			1140/250			1400/300			1870/320			2660/400			3240/500		
Theoretical injection volume	cm <sup>3</sup>	113	154	181	163	192	235	215	263	302	277	318	392	381	470	569	510	687	863	740	929	1077	1062	1231	1414	1385	1810	2290	1590	2042	2550
Shot volume (PS)	Oz	106	144	170	148	175	213	196	239	274	260	298	368	347	429	520	464	625	785	673	845	980	966	1120	1286	1260	1646	2084	1494	1919	2397
	cm <sup>3</sup> /s	3.7	5.1	5.9	5.2	6.2	7.5	6.9	8.4	9.6	9.1	10.5	12.9	12.1	15	18.1	16.2	21.8	27.4	23.5	29.5	34.2	33.7	39.2	44.9	44.1	57.5	73.8	52.3	67.2	83.9
Max injection rate	kg/h	59	80	95	82	97	118	97	118	163	122	140	172	133	165	200	175	236	297	262	330	382	313	362	416	311	406	514	357	459	573
Plasticizing rate	mm	22	36	45	36	46	60	46	60	75	65	81	116	82	117	141	103	139	174	120	150	185	170	210	240	167	231	327	188	256	338
Screw diameter	mm	30	35	38	35	38	42	38	42	45	42	45	50	45	50	55	50	58	65	58	65	70	65	70	75	70	80	90	75	85	95
Injection pressure	mpa	243	179	152	228	193	158	193	158	138	190	166	135	217	176	145	224	166	132	190	151	130	207	178	155	234	179	141	224	174	139
Screw L:D ratio		23:1	20:1	18:1	21:7:1	20:1	18:1	22:1	20:1	18:1	21:4:1	20:1	18:1	22:1	20:1	18:1	24:1	21:1	18:7:1	24:1	22:1	20:1	22:6:1	21:1	19:6:1	24:1	21:1	19:1	23:8:1	21:1	18:7:1
Screw stroke	mm	160			170			190			200			240			260			300			320			360			360		
Screw rotate speed	r/min	0-180			0-180			0-180			0-200			0-200			0-180			0-150			0-150			0-135			0-150		
CLAMPING UNIT																															
Clamping force	kN	900			1100			1300			1600			2100			2500			3000			3200			4000			5000		
Opening stroke	mm	320			350			380			430			480			520			570			615			710			820		
Platen size	mm*mm	540*540			600*550			610*610			680*680			745*745			820*790			870*850			1000*945			1100*1040			1180*1180		
Space between tie bars	mm*mm	360*360			405*370			410*410			460*460			510*510			560*530			610*590			710*655			770*705			830*830		
Matldthickness	mm	150-360			150-380			150-430			180-500			200-550			200-580			200-600			280-770			280-820			350*920		
Platen Max stroke	mm	680			730			810			930			1030			1100			1170			1385			1530			1640		
Ejection stroke	mm	100			100			120			140			150			150			160			160			185			210		
Ejection force	kN	31			42			42			50			67			67			77			77			111			111		
Power/Electric Heating																															
Hydraulic system pressure	Mpa	16			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5			17.5		
Pump motor (VDP/SERVO)	kw	9/14			11/18.2			11/18.2			15/23			18.5/29			22/39			22/39			30/39			37/56			22-18.5/39-39		
Heating power	kw	7.5			7.5			8.7			14			14.8			19			25.6			27			38.85			48.4		
Number of temp control		3- nozzle			4- nozzle			4- nozzle			4- nozzle			4- nozzle			4- nozzle			5- nozzle			5- nozzle			5- nozzle			5- nozzle		
Other																															
Cycle time	sec	1.1			1.3			1.3			2.0			4.5			4.8			5.0			5.0			5.1			5.2		
Tank volume	L	160			200			200			210			310			350			380			500			680			1000		
Machine dimensions	m <sup>3</sup> m <sup>3</sup> m	4.2*1.1*1.7			4.3*1.2*1.8			4.6*1.2*1.8			4.95*1.25*2.0			5.4*1.32*2.1			6.2*1.46*2.15			6.4*1.6*2.18			6.8*1.63*2.25			8.6*1.75*2.35			9.2*1.85*2.41		
Weight of machine	kg	2900			3300			3700			4500			6500			7800			9100			11300			15000			18600		
Mold plate Size	mm																														



## Specifications

Description	Unit	LOG-650				LOG-800				LOG-900				LOG-1100				LOG-1300				LOG-1500				LOG-1800				LOG-2200											
		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D												
<b>International recognized models</b>		4640/650				(5580/800)				(7038/900)				(9080/1100)				(10900/1300)				(10900/1500)				(13900/1800)				(24600/2200)											
<b>Injection</b>		A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D												
<b>Theoretical injection volume</b>	cm <sup>3</sup>	2160	2734	3376	2558	3195	3803	3179	3825	4750	5652	4123	4989	5938	6968	5464	6503	7632	8851	5464	6503	7632	8851	8495	9852	11310	15896	18086	20417	24192											
	g	1966	2488	3072	2327	2907	3552	2893	3571	4321	5143	3751	4540	5403	6340	4972	5918	6945	8054	4972	5918	6945	8054	7730	8965	10292	14465	16548	18579	22075											
<b>Shot volume (PS)</b>	Oz	68.8	87.1	107.5	81	101	124	102.5	126.5	153	182.1	132.8	160.8	191.4	224.5	176.2	210	246	285.3	176.2	210	246	285.3	273.8	317.5	364.5	506	576	650	774											
<b>Max injection rate</b>	cm <sup>3</sup> /s	420	531	656	515	610	700	540	666	806	960	702	850	1010	1186	782	931	1092	1267	782	931	1092	1267	1128	1308	1502	1335	1519	1715	1700											
	kg/h	254	340	442	340	442	355	472	291	378	503	600	380	453	578	380	453	532	578	380	453	532	578	500	543	594	43.97	50.03	56.47	61.94											
<b>Screw diameter</b>	mm	80	90	100	100	110	120	110	120	130	140	130	140	150	160	140	150	160	170	140	150	160	170	140	150	160	170	180	170	185											
<b>Injection pressure</b>	mpa	237	187	151	218	175	143	227	184	152	128	220	182	153	130	200	168	143	123	200	168	143	123	164	142	123	209	184	163	153											
<b>Screw L/D ratio</b>		23.6:1	21:1	19:1	24.5:1	22:1	20:1	24.4:1	22:1	20:1	18.3:1	24.2:1	22:1	20.2:1	18.6:1	26.2:1	24:1	22.2:1	20.6:1	26.2:1	24:1	22.2:1	20.6:1	24:1	22.3:1	20.8:1	23.5:1	22:1	20.7:1	22:1											
<b>Screw stroke</b>	mm	430			480				500			525			575			575		575			640			640			900												
<b>Screw rotate speed</b>	r/min	0.125			0.130				0.120			0.110			0.98			0.98		0.98			0.97			0.80			0.60												
<b>CLAMPING UNIT</b>																																									
<b>Clamping force</b>	kN	6500				8000				9000				11000				13000				15000				18000				22000											
<b>Opening stroke</b>	mm	920				1000				1050				1150				1300				1500				1650				1900											
<b>Platen size</b>	mm*mm	1320*1290				1450*1385				1530*1530				1650*1650				1880*1870				2090*2050				2230*200				2530*2350											
<b>Space between the bars</b>	mm*mm	930*900				1030*940				1080*1030				1220*1090				1360*1250				1450*1350				1650*1500				1800*1620											
<b>Midthickness</b>	mm	380-1010				450-1050				450-1100				450-1200				550-1300				700-1400				700-1600				700-1700											
<b>Platen Max stroke</b>	mm	1830				2000				2150				2350				2600				2900				3250				3800											
<b>Ejection stroke</b>	mm	285				300				300				350				350				350				400				400											
<b>Ejection force</b>	kN	182				200				270				270				280				318				318				318											
<b>Power/Electric Heating</b>																																									
<b>Hydraulic system pressure</b>	Mpa	17.5				17.5				17.5				17.5				17.5				17.5				17.5				17.5											
<b>Pump motor (VDP/SERVO)</b>	kw	22.22/39.39				30.37/56.56				37.37/56.56				45.45/56.56				37.37/56.3				37.37/56.3				37.37/56.3				37.37/56.4											
<b>Heating power</b>	kw	53.2				65				65				75				92				92				97.6				125											
<b>Number of temp control</b>		6-nozzle				6-nozzle				6-nozzle				6-nozzle				6-nozzle				6-nozzle				6-nozzle				7-nozzle											
<b>Other</b>																																									
<b>Cycle time</b>	sec	6.0				7.0				8.0				10				14				14				14				18				18							
<b>Tank volume</b>	L	1300				1500				1900				2300				2800				2800				2800				2900				3900							
<b>Machine dimensions</b>	m*mm*mm	9.6*1.9*2.3				10.6*2.6*2.7				11.2*4*3.1				12.5*2.8*3.5				13.4*3.2*4.7				13.9*3.2*4.7				14.2*3.4*5.1				14.2*3.4*5.1				17.8*4.4.5							
<b>Weight of machine</b>	kg	26500				37000				42000				52000				70000				82000				82000				105000				13600				140000			
<b>Mold plate Size</b>		mm		