

Machine Efficiency



Improve the lubrication system of toggle pin to facilitate lubricating oil used efficiently which can save up to 50% consumption for cost down.



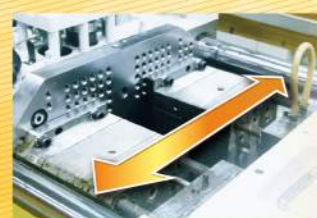
Be able to employ different types of injection unit in order to increase the manufacturing variety on product.



The low-inertia structure of injection cylinder attains the extraordinary reliability in high speed working condition.



Simple design of mold height structure for maintenance time reduction.



SM DC series adopts widen space between tie bars and it leads high compatibility in matching various types of mold.



The adoption of servo motor system promotes the efficiency of machine performance.

+ In addition, the mold cooling system can be set in the center of rotating or stationary plate. Anti-fatigue of metal adopts special design of tie bar knot. Sharpen the structure of tie bar during high pressure locking and it contributes to the longer working life and less maintenance requirement.



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ASIAN PLASTIC MACHINERY CO., LTD



Super Master

Energy Saving (Closed Loop) Dual-Color Injection Molding Machine

DC Series with Double Toggle Design

Super Master DC series tackles the problems that dual color injection molding machines historically face since it adopts four specific designs on the clamping unit to facilitate the efficiency of rotary table.

The design of multi-stag speed reduced function effectively eliminates rotary inertia and adopts mechanical orientation for rotary table.



The machine can achieve dual-purpose by operating with rotary table and spindle alternatively.



The balance design of moving platen keeps the precision of levelness in operation by adjusting rotary table according to mold weight to protect guide pins and ensure mold closing precisely.



The balance design of rotary table effectively keeps balance to avoid table leaning forward and hold the mold stable without damaging guide pins.



Energy Saving (Closed Loop) Dual-Color Injection Molding Machine DC Series with Double Toggle Design

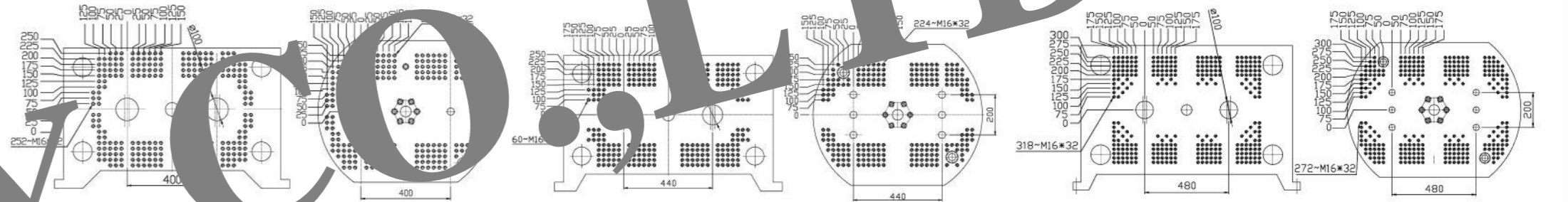
Technological Innovative Efficient

Specification

Machine Model	Unit	SM180DCV	SM230DCV	SM300DCV	SM450DCV	SM800DCV	SM1000DCV	SM1250DCV
Injection System		A/B	A/B	A/B	A/B	A/B	A/B	A/B
Theoretical shot volume	cm ³	49 64 80	121 163 211	198 257 324	369 465 594	722 807 961	722 807 961 807 961 1198	772 807 961 1110 1198
Shot Weight(PS)	g	45 59 74	111 150 194	183 237 298	340 428 547	664 743 884	664 743 884 743 884 1102	664 743 884 1102 1198
Screw Diameter	mm	22 25 28	31 36 41	36 41 46	41 46 52	52 55 60	52 55 60 55 60 67	52 55 60 67 77
Injection Pressure	kg/cm ²	3180 2463 1963	2969 2202 1698	2463 1899 1509	2933 2330 1824	2282 2040 1714	2282 2040 1714 2594 2100 1748	2282 2040 1714 2594 2100 1748
Injection Speed	mm/sec	150	130	110	120	120	130 150 150	130 150 150
Injection Rate	cm ³ /sec	59 76 95	98 132 172	118 154 193	159 200 256	286 381	320 411 411 498 534	320 381 411 498 534
Opening Stroke	mm	130	160	195	300	400	340 400 400	340 400 400
Screw Rotation	rpm	280	260	170	140	140	140 200 200	140 200 200
Clamping System								
Clamping Force	ton	180	230	300	450	750	1000	1250
Opening Stroke	mm	355	410	450	600	700	920	1000
Max. Daylight	mm	815	960	1050	1400	1930	1930	2400
Mold Height (min-max)	mm	100-460	200-550	200-600	300-800	350-1150	500-1250	500-1420
Space Between Tie Bar	mm	110	770*32	870*400	1100*520	1250*850	1450*1000	1620*1100
Rotary Table	mm*mm	782*700	1000*700	1000*770	1230*1090	1550	1780	1980
Space Between Nozzles	mm*mm	380(400)420	(420)440(460)	(460)480(500)	(580)600(620)	710(700)	800(710.700)	900(710.700)
Hydraulic Cylinder	ton*mm	2.7*100	2.8*140	2.8*150	3.5*170	4.6*220	7.9*250	7.9*300
Injector Nozzle	pc	1*2	3*2	3*2	5*2	9*2	13*2	13*2
Power System								
Pump Motor	kw	11/11	15/15	15/15	22/22	11+22/11+22	11+22/11+22 22+22/22+22	11+22/11+22 22+22/22+22
Heating Capacity	kw	3.5*2	5.5*2	6.8*2	12*2	15.3*2	17*2	21*2
Max. System Pressure	kg/cm ²	140	140	140	140	140	140	140
Oil Tank Capacity	liter	480	480	700	900	1400	1700	2000
Machine Dimension	mm	5200*1500*2000	5600*1650*2100	6600*1800*2300	8500*2800*3000	11500*3800*3200	12500*4000*3500	13000*4300*3700
Machine Weight	ton	10	11	14.5	28	50	70	82

NOTE: The above figures are applicable for the voltage/frequency of 220V/60Hz (Specifications may be changed without prior notice.)

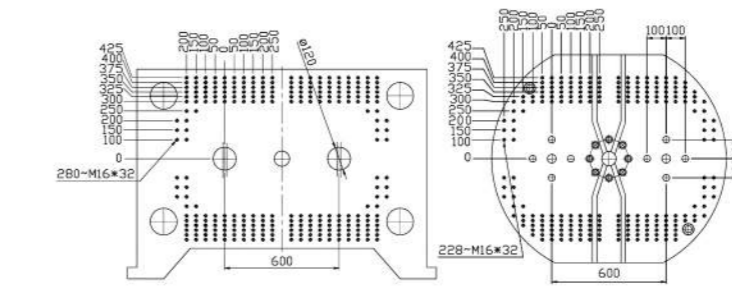
Mold Platen Size



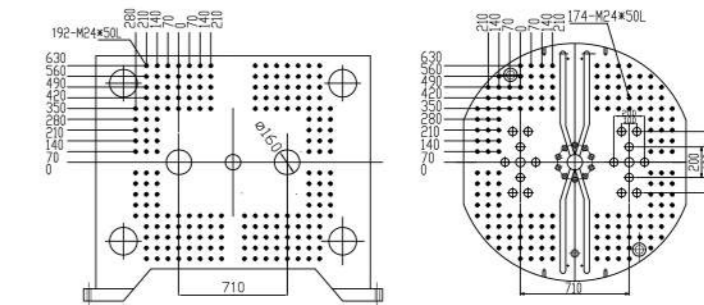
▲SM180DCV

▲SM230DCV

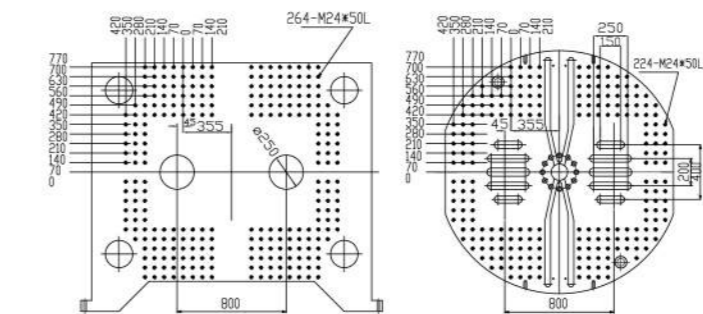
▲SM300DCV



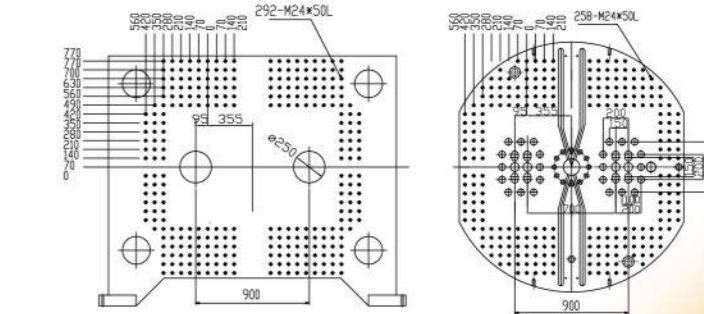
▲SM450DCV



▲SM800DCV



▲SM1000DCV



▲SM1250DCV

