

ALLPLAST

Plastic Injection Moulding Machine

ABS VV1S Series

SINGLE SLIDING
INJECTION MOULDING MACHINE



VERTICAL
INJECTION



VERTICAL
CLAMPING



SLIDE
TABLE

ABS VV1S

Series

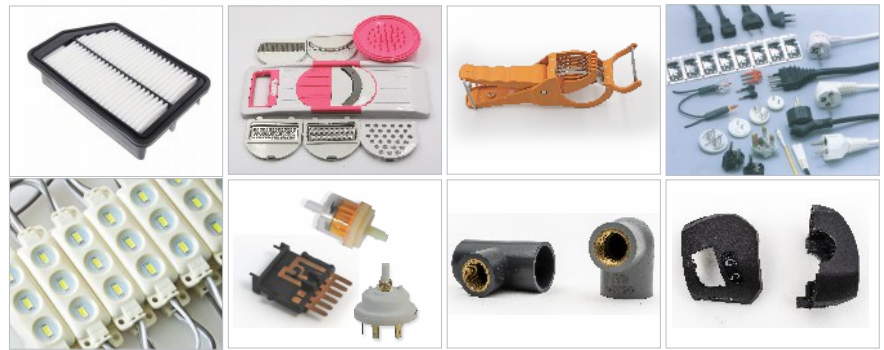
SINGLE SLIDING INJECTION MOULDING MACHINE



ATTRIBUTE

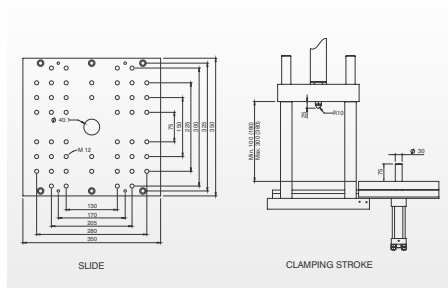
- Vertical four column robust clamping and vertical screw type injection.
- Dual injection hydraulic cylinder for smooth and balanced injection.
- Large L/D ratio for homogenous optimum melt for all type of engineering plastics.
- Programmable single sliding for suitable insert moulding process.
- Hydraulic ejector after sliding table out position.
- High end PLC & HMI for controlling and programming function.
- Hand protection safety features.
- Power saving high tech hydraulic circuit.

APPLICATION

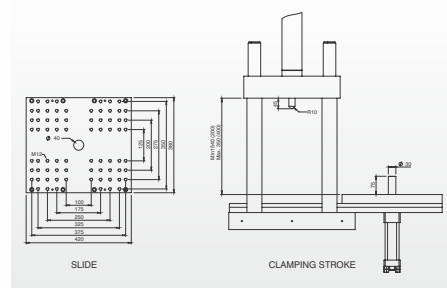


	MODEL	UNITS	ABS-VV-1S-15		ABS-VV-1S-25		ABS-VV-1S-40		ABS-VV-1S-60		ABS-VV-1S-70	
INJECTION SYSTEM	Screw Diameter	mm	22	25	25	30	30	35	35	40	35	40
	Theoretical Shot Volume	cm ³	38	49	49	70	95	129	158	207	202	263
	Max. Shot Weight PS	g	34	44	44	63	86	116	143	187	182	236
	Injection Pressure	kg/cm ²	1769	1370	1678	1166	1784	1311	1858	1423	1858	1423
	Injection Rate	cm ³ /sec	49	63	52	75	85	116	125	163	81	106
	Screw Speed Max.	rpm	0-250		0-250		0-250		0-250		0-250	
	Nozzle Retraction Stroke	mm	125		165		190		230		230	
	No. of Temperature Control	zone	2		3		5		5		5	
	Material Hopper Capacity	liters	12		12		22		22		22	
	Clamping Force	tons	15		25		40		60		70	
CLAMPING SYSTEM	Opening Force	tons	3		7.5		8.3		10		15	
	Tiebar Distance	mm	280 x 145		360 x 230		390x240		480 x 300		510 x 320	
	Max. Mould Size (L x w)	mm	260 x 210		300 x 280		385 x 300		460x340		510x370	
	Min. Mould Height	mm	120/180		100/150		150/200		150/200		200/250	
	Opening Stroke	mm	190		200		200		200		250	
	Max. Open Daylight	mm	310/370		300/350		350/400		350/400		450/500	
	Ejector Force	tons	1.3		1.3		1.3		1.3		2.7	
	Ejector Stroke	mm	60		75		75		90		90	
	Slide Stroke	mm	300		350		420		500		550	
	Max. Hydraulic Pressure	bar	140		140		140		140		140	
HYDRAULICS & ELECTRIC SYSTEMS	Oil Reservoir Capacity	liters	75		125		170		240		265	
	Pump Motor	kW	4		4		5.5		7.5		7.5	
	Barrel Heating Power	kW	2.1		3.5		4.2		4.8		5	
	Total Wattage	kW	6.1		7.5		9.7		12.3		12.5	
	Machine Weight	tons	0.8		1.5		1.9		2.6		3.5	
	Machine Dimensions (L x W x H)	m	1.26x0.78x2.65		2.25x1.04x2.68		2.56x1.17x3.17		2.94x1.34x3.37		2.96x1.41x3.87	

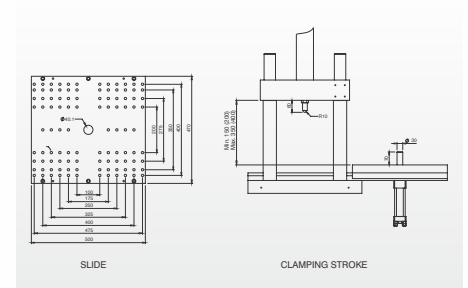
ABS VV 1S 25



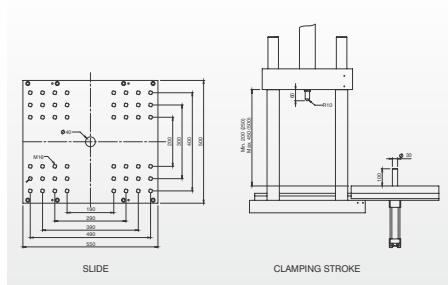
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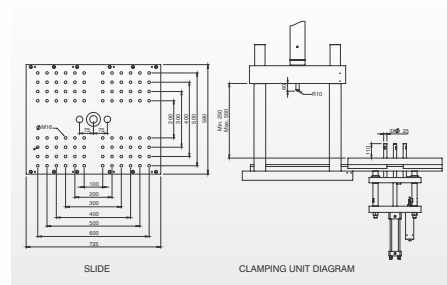
ABS VV 1S 55



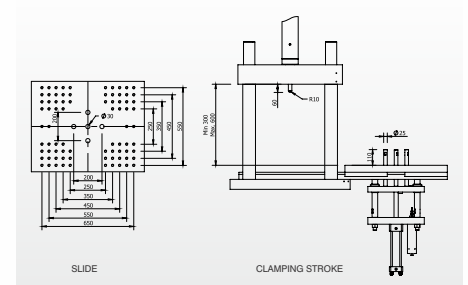
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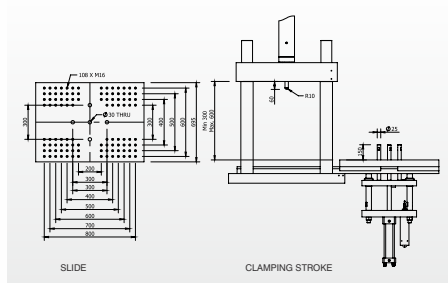
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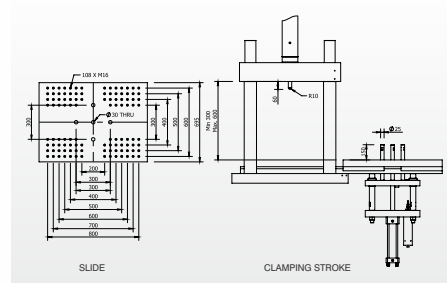
ABS VV 1S 160



ABS VV 1S 210



ABS VV 1S 250



	MODEL	UNITS	ABS-VV-1S-85	ABS-VV-1S-100	ABS-VV-1S-125	ABS-VV-1S-160	ABS-VV-1S-210	ABS-VV-1S-250
INJECTION SYSTEM	Screw Diameter	mm	35	40	45	50	60	65
	Theoretical Shot Volume	cm ³	202	263	333	412	570	829
	Max. Shot Weight PS	g	182	236	282	371	509	740
	Injection Pressure	kg/cm ²	1858	1423	1677	1359	1856	1353
	Injection Rate	cm ³ /sec	102	133	113	139	157	221
	Screw Speed Max.	rpm	0-250		0-200		0-200	
	Nozzle Retraction Stroke	mm	230	250	285	300	320	340
	No. of Temperature Control zone	zone	5	5	5	5	5	5
	Material Hopper Capacity	liters	22	22	22	30	60	60
CLAMPING SYSTEM	Clamping Force	tons	85	100	125	160	210	250
	Opening Force	tons	15	16	18	18	20	20
	Tiebar Distance	mm	510 x 320	560 x 360	640 x 490	660 x 630	720 x 670	720x700
	Max. Mould Size (L x w)	mm	510 x 370	550 x 410	650 x 470	700 x 525	800 x 570	800 x 570
	Min. Mould Height	mm	200/250	200/250	250	250	300	350
	Opening Stroke	mm	250	300	300	300	400	400
	Max. Open Daylight	mm	450/500	500/550	550	550	700	750
	Ejector Force	tons	2.7	3.9	4.6	5.4	7	7
HYDRAULICS & ELECTRIC SYSTEMS	Ejector Stroke	mm	90	75	115	100	150	150
	Slide Stroke	mm	550	600	750	800	950	950
	Max. Hydraulic Pressure	bar	140	140	140	140	140	140
	Oil Reservoir Capacity	liters	265	360	372	500	535	600
	Pump Motor	kW	11.5	15	15	20.4	21.5	30
	Barrel Heating Power	kW	5	7.5	10.4	10.5	12.5	16.8
	Total Wattage	kW	16.5	22.5	25.4	30.9	34	46.8
	Machine Weight	tons	3.7	4.6	6.5	7.3	9.4	10.3
	Machine Dimensions (L x W x H)	m	2.96x1.41x3.87	2.2x1.3x3.5	2.9x1.2x3.8	3.6x1.4x4.7	4.3x1.7x5.2	4.4x1.7x5.3

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GLOBAL REACH



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