

ABS VVDS Series

DOUBLE SLIDING
INJECTION MOULDING MACHINE



VERTICAL
INJECTION



VERTICAL
CLAMPING



SLIDING
TABLE

ABS VV DS Series

DOUBLE SLIDING INJECTION MOULDING MACHINE



ATTRIBUTE

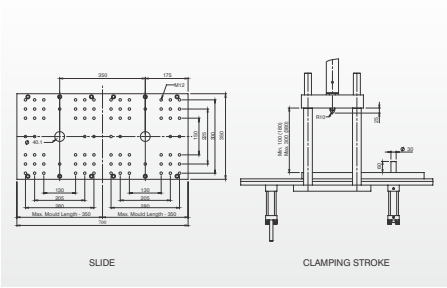
- Vertical four column robust clamping and vertical screw type injection.
- Dual injection hydraulic cylinder for smooth and balanced injection.
- Large L/D ratio for homogenous optimum melt for all type of engineering plastics.
- Programmable double sliding for suitable insert moulding process.
- Hydraulic 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

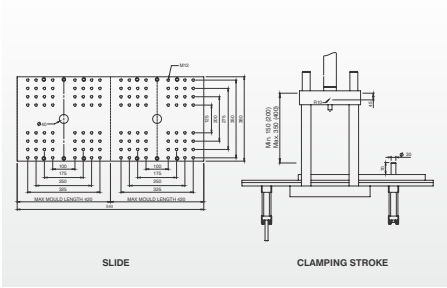


	MODEL	UNITS	ABS-VV-DS-15		ABS-VV-DS-25		ABS-VV-DS-40		ABS-VV-DS-60		ABS-VV-DS-70	
INJECTION SYSTEM	Screw Diameter	mm	22	25	25	30	30	35	35	40	35	40
	Theoretical Shot Volume	cm ³	38	49	49	70	95	129	158	207	202	263
	Max. Shot Weight PS	g	34	44	44	63	86	116	143	187	182	236
	Injection Pressure	kg/cm ²	1769	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	
CLAMPING SYSTEM	Material Hopper Capacity	liters	12		12		22		22		22	
	Clamping Force	tons	15		25		40		60		70	
	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	
HYDRAULICS & ELECTRIC SYSTEMS	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	
	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	0.9		1.6		2		2.7		3.6	
	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	

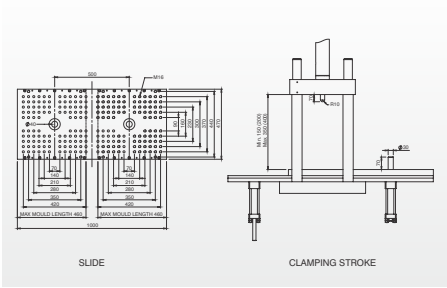
ABS VV DS 25



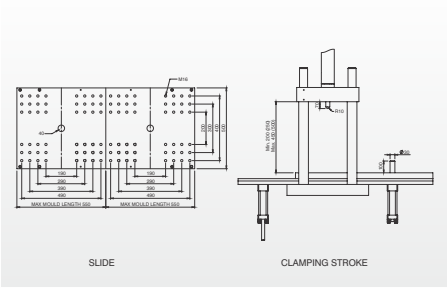
ABS VV DS 40



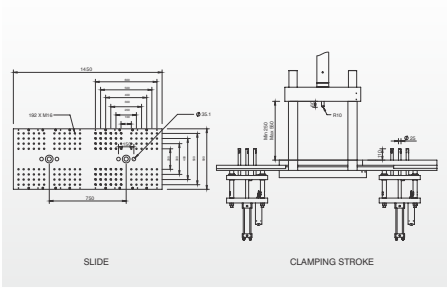
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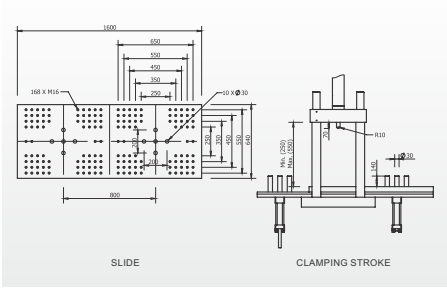
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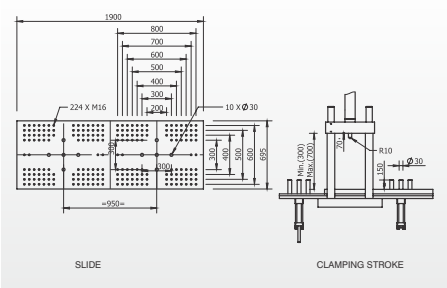
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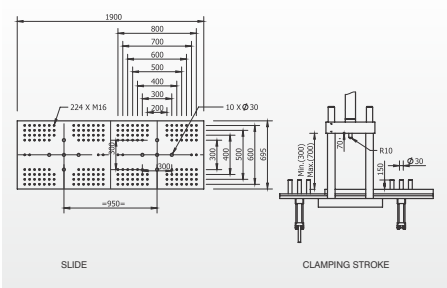
ABS VV DS 160



ABS VV DS 210



ABS VV DS 250



	MODEL	UNITS	ABS-VV-DS-85		ABS-VV-1S-100		ABS-VV-DS-125				ABS-VV-DS-160		ABS-VV-DS-210		ABS-VV-DS-250	
INJECTION SYSTEM	Screw Diameter	mm	35	40	45	50	40	45	50	60	50	55	55	60	60	65
	Theoretical Shot Volume	cm³	202	263	333	412	314	397	490	706	471	570	570	678	706	829
	Max. Shot Weight PS	g	182	236	282	371	282	357	441	636	420	509	509	605	630	740
	Injection Pressure	kg/cm²	1858	1423	1677	1359	2373	1875	1519	1055	1856	1534	1749	1470	1588	1353
	Injection Rate	cm³/sec	102	133	113	139	101	126	156	225	157	190	180	215	189	221
	Screw Speed Max.	rpm	0-250		0-250		0-200				0-200		0-200		0-150	
	Nozzle Retraction Stroke	mm	230		250		285				300		320		340	
	No. of Temperature Control	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	
	Ejector Stroke	mm	90		75		115				100		150		150	
HYDRAULICS & ELECTRIC SYSTEMS	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	3.8		4.7		6.7				7.4		9.5		10.5	
	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	

GLOBAL REACH



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