

ALLPLAST

Plastic Injection Moulding Machine

ABS VV R Series

ROTARY INJECTION MOULDING MACHINE



VERTICAL
INJECTION



VERTICAL
CLAMPING



ROTARY
TABLE

ABS VV R Series

ROTARY INJECTION MOULDING MACHINE



ATTRIBUTE

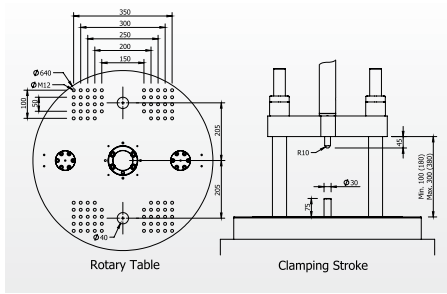
- Vertical three column robust clamping and vertical screw type injection.
- Large L/D ratio for homogenous optimum melt for all type of engineering plastics.
- Standard Rotary function with 0° to 180° clockwise-anti clockwise rotational movement.
- Rotary movement with high-tech positioning and safety devices.
- Programmable rotary movement with fast-slow speed and quick positioning.
- Additional lock pin for mould positioning and avoid mould accident.
- Machine structure designed for robot interface for complete automation.
- Hydraulic ejector stroke adjustable thru HMI.
- Light curtain sensor for hand protection.

APPLICATION

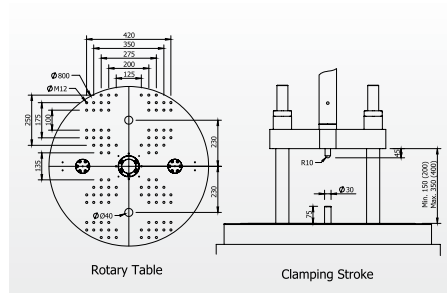


	MODEL	UNITS	ABS-VV-R-15	ABS-VV-R-25	ABS-VV-R-40	ABS-VV-R-60	ABS-VV-R-70	ABS-VV-R-85
INJECTION SYSTEM	Screw Diameter	mm	22 25	25 30	30 35	35 40	35 40	35 40
	Theoretical Shot Volume	cm ³	38 49	49 70	95 129	158 207	202 263	202 263
	Max. Shot Weight (PS)	g	34 44	44 63	86 116	143 187	182 236	182 236
	Injection Pressure	kg/cm ²	1769 1370	1678 1166	1784 1311	1858 1423	1858 1423	1858 1423
	Injection Rate	cm ³ /sec	49 63	52 75	85 116	125 163	81 106	102 133
	Screw Speed Max.	rpm	0-250	0-250	0-250	0-250	0-250	0-250
	Nozzle Retraction Stroke	mm	125	165	190	230	230	230
	No. of Temperature Control	zone	2	3	5	5	5	5
	Material Hopper Capacity	l	12	12	22	22	22	22
	CLAMPING SYSTEM	Clamping Force	tons	15	25	40	60	70
Opening Force		tons	3	7.5	8.3	10	15	15
Rotary Table		mm	580	640	800	900	1000	1000
Max Mould Size		mm	150 x 150	200x200	280x280	340x340	365x365	365x365
Min. Mould Height		mm	120/180	100/180	150/200	150/200	200/250	200/250
Opening Stroke		mm	190	200	200	200	250	250
Max. Open Daylight		mm	310/370	300/380	350/400	350/400	450/500	450/500
Ejector Force		tons	1.3	1.3	1.3	1.3	2.7	2.7
Ejector Stroke		mm	35	75	75	75	75	75
HYDRAULICS & ELECTRIC SYSTEMS		Max. Hydraulic Pressure	bar	140	140	140	140	140
	Oil Reservoir Capacity	liters	75	135	170	205	310	310
	Pump Motor	kW	4	4	5.5	7.5	7.5	11.5
	Barrel Heating Power	kW	2.1	3.5	4.2	4.8	5	5
	Total Wattage	kW	6.1	7.5	9.7	12.3	12.5	16.5
	Machine Weight	tons	1.1	1.8	2.8	3.2	4.3	4.5
	Machine Dimensions (L x W x H)	m	1.1x0.8x2.6	2.24x1.28x2.71	2.31x1.43x3.09	2.67x1.52x3.15	2.73x1.64x3.75	2.72x1.64x3.9

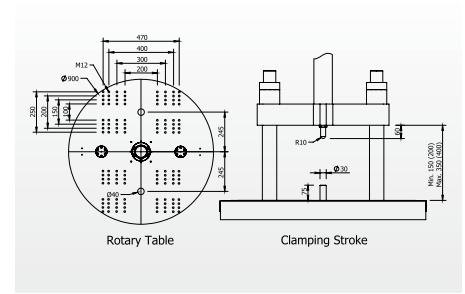
ABS VV R 25



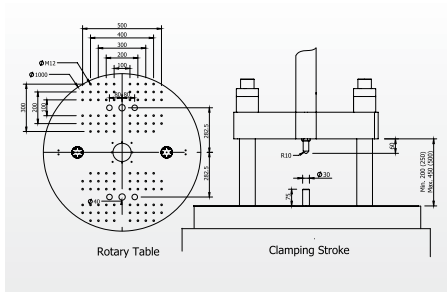
ABS VV R 40



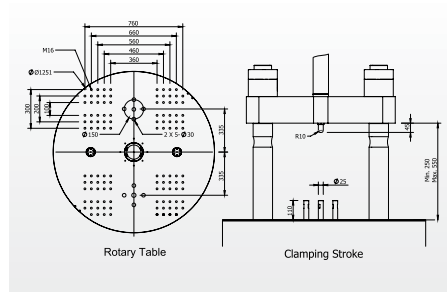
ABS VV R 60



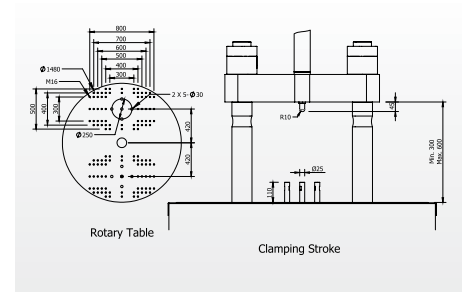
ABS VV R 85



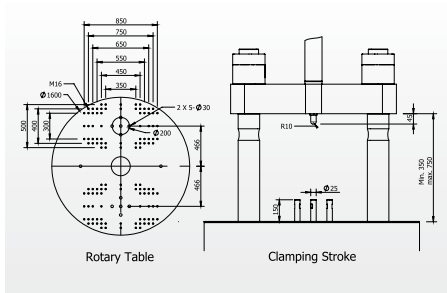
ABS VV R 125



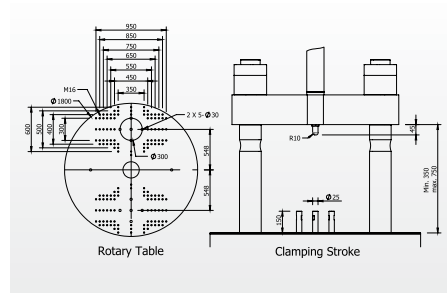
ABS VV R 160



ABS VV R 210



ABS VV R 250



	MODEL	UNITS	ABS-VV-R-100				ABS-VV-R-125				ABS-VV-R-160		ABS-VV-R-210		ABS-VV-R-250	
INJECTION SYSTEM	Screw Diameter	mm	45	50	40	45	50	60	50	55	55	60	60	65		
	Theoretical Shot Volume	cm ³	333	412	314	397	490	706	471	570	570	678	706	829		
	Max. Shot Weight (PS)	g	282	371	282	357	441	636	420	509	509	605	630	740		
	Injection Pressure	kg/cm ²	1677	1359	2373	1875	1519	1055	1856	1534	1749	1470	1588	1353		
	Injection Rate	cm ³ /sec	113	139	101	126	156	225	157	190	180	215	189	221		
	Screw Speed Max.	rpm	0-250				0-200				0-200		0-200		0-150	
	Nozzle Retraction Stroke	mm	250				285				300		320		340	
	No. of Temperature Control	zone	5				5				5		5		5	
Material Hopper Capacity	l	22				22				30		60		60		
CLAMPING SYSTEM	Clamping Force	tons	100				125				160		210		250	
	Opening Force	tons	16				18				18		20		20	
	Rotary Table	mm	1100				1251				1480		1600		1800	
	Max Mould Size	mm	420x420				475x475				540x540		570x570		600x600	
	Min. Mould Height	mm	200/250				250				300		350		350	
	Opening Stroke	mm	250				300				300		400		400	
	Max. Open Daylight	mm	450/500				550				600		750		750	
	Ejector Force	tons	3.9				4.6				5.4		6.2		6.5	
HYDRAULICS & ELECTRIC SYSTEMS	Ejector Stroke	mm	75				110				110		150		150	
	Max. Hydraulic Pressure	bar	140				140				140		140		140	
	Oil Reservoir Capacity	liters	320				350				500		535		600	
	Pump Motor	kW	15				15				18.5		21.5		30	
	Barrel Heating Power	kW	7.5				10.4				10.5		12.5		16.8	
	Total Wattage	kW	22.5				25.4				29		34		46.8	
	Machine Weight	tons	6				7.5				9		11		13	
	Machine Dimensions (L x W x H)	m	2.3x1.75x3.5				3.04x2.0x3.9				3.1x1.7x4.1		3.6x2.0x4.7		3.8x2.2x4.9	



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GLOBAL REACH



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