

ALLPLAST

Plastic Injection Moulding Machine

ABST Series

VERTICAL SCREW TYPE
INJECTION V TOGGLE
CLAMPING MOULDING MACHINE



VERTICAL
INJECTION



TOGGLE
CLAMPING

ABST Series

**VERTICAL SREW INJECTION RIGID
5 POINT TOGGLE CLAMPING
MOULDING MACHINE**



ATTRIBUTES

- Horizontal V Design Robust 5 point toggle clamping design.
- Programmable speed and Pressure control through PLC
- Vertical screw type injection.
- Centre hydraulic ejector
- Fully microprocessor controller.
- Auto lubricating system.
- Lowest cycle time.
- Hydraulic Ejector
- Mould Memory

APPLICATION



MODEL		Unit	ABST 60		ABST 100		ABST 150		ABST 200		ABST 300		ABST 500
INJECTION SYSTEM	Screw Diameter	mm	25	30	30	35	35	40	35	40	35	40	50
	Injection Pressure	kg/cm ²	1119	777	1146	842	1165	892	1165	892	1165	892	965
	Theoretical Shot Volume	cm ³	49	71	95	130	155	207	202	263	298	389	638
	Max. Shot Weight (PS)	gm	30	60	60	100	100	150	150	200	200	300	500
	Screw Speed (Max)	rpm	0-200		0-200		0-200		0-200		0-200		0-200
	No. of Temperature Control	zone	4		4		4		4		4		5
CLAMPING SYSTEM	Material Hopper Capacity	liters	8		10		10		20		20		30
	Clamping Force	Tons	30		40		50		60		60		70
	Opening Force	Tons	7.5		8.3		10		13		13		13
	Max. Mold Size (L x W)	mm	240 x 240		260 x 280		280 x 280		340 x 340		340 x 340		340 x 400
	Opening Stroke	mm	165		210		290		320		320		430
	Min. Mold Height	mm	250		260		295		350		350		400
	Max. Mold Height	mm	75		130		130		135		135		233
	Max. Open Daylight	mm	415		470		585		670		670		830
	Ejector Force	Tons	1.3		1.3		1.3		2		2		2
Ejector Stroke	mm	50		70		70		70		70		70	
HYDRAULIC & ELECTRIC SYSTEMS	Max. Hydraulic Pressure	bar	140		140		140		140		140		140
	Oil Reservoir Capacity	liters	60		80		100		140		140		180
	Pump Motor	kW	2.2		3.5		3.5		5		5		8.8
	Barrel Heating Power	kW	3.2		4		5		6.1		6.1		8.3
	Total Wattage	kW	5.4		7.5		8.5		11.1		11.1		17.1
	Machine Weight	tons	1		1.2		1.5		1.8		1.9		2.24
	Machine Dimensions (LxWxH)	m	1.8 x 1 x 2.6		2 x 1.1 x 2.8		2 x 1.1 x 2.9		2.4 x 1.2 x 3		2.4 x 1.2 x 3		2.6 x 1.2 x 3.7

Actual Shot Weight will be varied to various materials, all above data are subject to change without notice.

GLOBAL REACH



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