

Machines that **WIN** your trust



ROBUST AND RELIABLE
PERFORMANCE



50 to 1300 Ton

ARMOUR Series
Toggle Injection Moulding Machines

ARMOUR RPVC

(100 – 1300 ton)

ARMOUR CPVC

(100 – 1300 ton)

ARMOUR PET

(125 – 350 ton)

ARMOUR 2C

(100 – 1300 ton)

Machine Features

- Robust and Reliable 5 point twin-toggle mechanism
- Rugged clamp mechanism
- Low platen deflection and better mould life
- Highly energy efficient advanced Servo/VDP system
- Better injection performance
- Sub-flighted Screw for better melt homogeneity
- Advanced control system
- Statistical process control
- Highly efficient plate type oil cooler
- Quick Response
- Lower dry cycle time
- Low noise and vibration



Caps & Closure



Industrial



Furniture



Automotive



Electrical & Electronics



PET Preforms



Medical



RPVC / CPVC Fittings

Machine Specifications

Machine / Parameters	Unit	Armour 50	Armour 75	Armour 100	Armour 125	Armour 150	Armour 150
Injection Unit		200	200 ~ 295	200 ~ 295	545	545 ~ 705	545 ~ 705
Screw Diameter	mm	28 ~ 36	28 ~ 40	28 ~ 40	40 ~ 50	40 ~ 60	40 ~ 60
Max. Injection Weight (GPPS)	g	82 ~ 135	82 ~ 191	82 ~ 191	227 ~ 354	227 ~ 536	227 ~ 536
Clamp Force	ton	50	75	100	125	150	150
Mould Opening Stroke	mm	250	300	350	375	375	430
Mould Height (Min~Max)	mm	160 ~ 350	160 ~ 410	180 ~ 410	180 ~ 450	180 ~ 450	200 ~ 500
Tie-bar Clearance	mm	310 x 310	360 x 360	410 x 410	460 x 460	460 x 460	510 x 510
Ejector Force / Stroke	kN / mm	33 / 90	41 / 100	51 / 130	51 / 140	51 / 140	51 / 150
Pump Drive (Servo/VDP)	kW	11.4 / 11	11.4 / 15	11.4 / 15	11.4 / 18.5	11.4 / 18.5 ~ 22	11.4 / 18.5 ~ 22

Machine / Parameters	Unit	Armour 180	Armour 220	Armour 260	Armour 350	Armour 450	Armour 550
Injection Unit		545 ~ 705	705 ~ 1480	1480 ~ 2275	2275 ~ 3250	2275 ~ 4800	3250 ~ 6270
Screw Diameter	mm	40 ~ 60	45 ~ 70	56 ~ 90	70 ~ 100	70 ~ 110	80 ~ 120
Max. Injection Weight (GPPS)	g	227 ~ 536	302 ~ 1023	655 ~ 1933	1169 ~ 2685	1169 ~ 3655	1719 ~ 4727
Clamp Force	ton	180	220	260	350	450	550
Mould Opening Stroke	mm	430	510	510	610	760	900
Mould Height (Min~Max)	mm	200 ~ 500	230 ~ 580	230 ~ 580	300 ~ 650	300 ~ 750	350 ~ 850
Tie-bar Clearance	mm	510 x 510	578 x 578	560 x 560	710 x 710	800 x 720	900 x 820
Ejector Force / Stroke	kN / mm	51 / 150	65 / 180	65 / 180	80 / 200	55 / 250	87 / 300
Pump Drive (Servo/VDP)	kW	11.4 / 18.5~22	11.4~13.2/22~30	13.2~15/30~37	15~30.1/37~58.7	15~32.1/37~78.7	30.1~32.1/58.7~78.7

Machine / Parameters	Unit	Armour 700	Armour 900	Armour 1100	Armour 1300
Injection Unit		4800 ~ 9800	6270 ~ 16600	6270 ~ 16600	6270 ~ 16600
Screw Diameter	mm	90 ~ 120	100 ~ 150	100 ~ 150	100 ~ 150
Max. Injection Weight (GPPS)	g	2448 ~ 6017	3282 ~ 12591	3282 ~ 12591	3282 ~ 12591
Clamp Force	ton	700	900	1100	1300
Mould Opening Stroke	mm	1000	1100	1230	1350
Mould Height (Min~Max)	mm	400 ~ 950	400 ~ 1100	400 ~ 1200	450 ~ 1350
Tie-bar Clearance	mm	1000 x 940	1120 x 1020	1150 x 1050	1250 x 1250
Ejector Force / Stroke	kN / mm	87 / 300	109 / 350	109 / 350	109 / 350
Pump Drive (Servo/VDP)	kW	32.1 / 78.7	32.1~60.3/78.7~145	32.1~60.3/78.7~145	32.1~60.3/78.7~145

*Specifications are subject to change on account of technical developments.



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