

Machines that **WIN** your trust



SPRINT Series

Hydro-Mechanical Injection Moulding Machines

HIGHER PERFORMANCE
HYDRAULIC MACHINES



100 to 1300 Ton

SPRINT 2C
(100 – 1300 ton)

SPRINT 3C
(250 – 450 ton)

SPRINT RPVC
(100 – 1300 ton)

SPRINT CPVC
(100 – 1300 ton)

SPET-BT
(350 ton)

Machine Features

- Larger daylight and longer opening stroke
- Rugged clamp mechanism
- Wide and rigid clamping platens to accommodate larger size moulds
- Unique mould height adjustment
- Low platen deflection and better mould life
- Highly energy efficient advanced VDP/Servo system
- Lesser oil requirement
- Better injection performance
- Sub-flighted Screw for better melt homogeneity
- Advanced control system
- Statistical process control
- Highly efficient plate type oil cooler

Machine Specifications

Machine / Parameters	Unit	Sprint 100	Sprint 150	Sprint 180	Sprint 250	Sprint 350	Sprint 450
Injection Unit		200 ~ 295	545 ~ 705	545 ~ 705	705 ~ 1480	2275 ~ 3250	2275 ~ 4800
Screw Diameter	mm	28 ~ 40	40 ~ 60	40 ~ 60	45 ~ 70	70 ~ 100	70 ~ 110
Max. Injection Weight (GPPS)	g	82 ~ 191	227 ~ 536	227 ~ 536	302 ~ 1023	1169 ~ 2685	1169 ~ 3655
Clamp Force	ton	100	150	180	250	350	450
Mould Opening Stroke	mm	500 ~ 350	625 ~ 450	775 ~ 550	950 ~ 700	1400 ~ 1000	1450 ~ 1000
Mould Height (Min~Max)	mm	200 ~ 350	225 ~ 400	250 ~ 475	275 ~ 525	300 ~ 700	350 ~ 800
Tie-bar Clearance	mm	410 x 410	460 x 460	510 x 510	640 x 640	710 x 710	820 x 820
Ejector Force / Stroke	kN / mm	42 / 80	42 / 95	75 / 120	75 / 150	95 / 200	135 / 200
Pump Drive (VDP/Servo)	kW	15 / 11.4	22 ~ 30 / 13.2	22 ~ 30 / 13.2	30~37/13.2~15	45~58.7/17~30.1	45~78.7/17~32.1

Machine / Parameters	Unit	Sprint 550	Sprint 650	Sprint 850	Sprint 1100	Sprint 1300
Injection Unit		3250 ~ 6270	4800 ~ 9800	6270 ~ 13300	6270 ~ 16600	6270 ~ 16600
Screw Diameter	mm	80 ~ 120	90 ~ 120	100 ~ 135	100 ~ 150	100 ~ 150
Max. Injection Weight (GPPS)	g	1719 ~ 4727	2448 ~ 6017	3282 ~ 8158	3282 ~ 12591	3282 ~ 12591
Clamp Force	ton	550	650	850	1100	1300
Mould Opening Stroke	mm	1650 ~ 1200	1750 ~ 1250	2000 ~ 1400	2200 ~ 1600	2200 ~ 1600
Mould Height (Min~Max)	mm	450 ~ 900	450 ~ 950	500 ~ 1100	700 ~ 1300	700 ~ 1300
Tie-bar Clearance	mm	900 x 900	950 x 950	1140 x 1000	1480 x 1130	1460 x 1110
Ejector Force / Stroke	kN / mm	135 / 200	200 / 200	200 / 200	200 / 250	200 / 250
Pump Drive (VDP/Servo)	kW	58.7~78.7/30.1~32.1	78.7 / 32.1	78.7~115.7/32.1~47.1	78.7~145/32.1~60.3	78.7~145/32.1~60.3

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



HOUSEHOLD & FURNITURE



INDUSTRIAL MOULDINGS



PAILS & CONTAINERS



WHITE GOODS & APPLIANCES



CRATES & PACKAGING



AUTOMOTIVE



RPVC/CPVC FITTINGS AND IRRIGATION



WINDSOR

Partner in Progress

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