

# ENERGY EFFICIENT THERMOSETTING INJECTION MOULDING MACHINES

## SRC-TS-T THERMOSETTING Injection Machines

SRC Thermosetting Injection Moulding Machine is equipped with a special screw and barrel unit. It is optimized for thermosetting materials, has a good plastification effect and high durability. The screw and barrel unit is heated by a high-accuracy temperature controller. The clamping unit is equipped with an insulating board and auxiliary die plate, and provides a mold heating interface with high-accuracy PID temperature control. The special nozzle design allows for quick-clearing when operation is suspended. This machine can be used to produce thermosetting materials such as Bakelite. We also have a special Thermosetting Injection Moulding Machine for BMC material.



## SRC-TS-T THERMOSETTING SERIES TECHNICAL SPECIFICATIONS

CLAMPING UNIT		SRC 90-TS-T		SRC 130-TS-T		SRC 160-TS-T		SRC 230-TS-T		SRC 260-TS-T		SRC 320-TS-T		SRC 380-TS-T		SRC 470-TS-T	
Clamping Force	kN	900		1300		1600		2300		2600		3200		3800		4700	
Toggle Stroke	mm	355		390		445		490		540		640		700		780	
Space Between Tie Bars (H x V)	mm	370 x 370		420 x 420		472 x 472		536 x 536		581 x 581		685 x 685		726 x 726		820 x 800	
Platen Dimensions (H x V)	mm	580 x 560		640 x 640		691 x 691		800 x 800		860 x 860		990 x 990		1036 x 1040		1210 x 1180	
Max.Mould Height	mm	380		450		520		560		610		690		760		830	
Min.Mould Height	mm	150		160		180		200		220		250		250		300	
Ejector Stroke	mm	100		130		140		140		150		160		180		200	
Ejector Force	kN	27.5		39.6		39.6		62		62		70		110		120	
INJECTION UNIT																	
		A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Screw Diameter	mm	35	37	37	40	40	45	45	50	50	55	60	65	65	70	75	80
Screw L/D Ratio	L/D	15		15		15		15		15		15		15		15	
Shot Volume	cm <sup>3</sup>	123	137	172	201	270	342	334	412	490	593	727	853	1094	1269	1722	1959
Shot weight (PS)	g	148	164	206	241	324	410	401	494	588	712	872	1024	1313	1523	2066	2351
Shot Weight (PS)	oz	5.2	5.8	7.3	8.5	11.4	14.5	14.1	17.4	20.7	25.1	30.8	36.1	46.3	53.7	72.9	82.9
Injection Pressure	bar	1930	1730	1960	1680	2010	1590	2160	1750	2050	1690	2130	1820	2080	1800	1770	1560
Injection Speed	mm/s	93		99		101		96		91		86		92		96	
Injection Rate (PS)	g/s	109	118	126	147	153	194	181	223	211	256	288	337	361	419	501	570
Injection Stroke	mm	126		170		215		220		250		260		330		390	
Screw Speed	rpm	220		200		200		200		180		180		180		180	
OTHERS																	
Max.Pump Pressure	bar	160		160		160		160		160		160		160		160	
Servo Motor Power	kW	15.9		15.9		26.5		28.3		29		48		58.8		62	
Heater Power	kW	12 + 4		12 + 4		12 + 4		12 + 4		12 + 4		12 + 4		12 + 4		12 + 4	
Machine Dimensions (LxWxH)	m	4.18 x 1.14 x 2.0		4.52 x 1.22 x 2.04		4.9 x 1.27 x 2.16		5.48 x 1.42 x 2.34		6.04 x 1.47 x 2.31		6.9 x 1.79 x 2.4		7.36 x 1.94 x 2.55		7.92 x 1.99 x 2.57	
Oil Tank Capacity	L	200		250		300		300		405		600		700		800	
Machine weight	t	3.6		4.4		5.65		7.3		8.5		13.2		15		19	