

3-TIE BAR CLAMPING SYSTEM

For container ranging from 30ml to 5 liters

T & DST Series – Technical Data



SMC Machine Model	Unit	350T	350DST	1000T	1000DST	2000T	2000DST	3000T	3000DST	3000DSTL	5000T	5000DST
General Specification												
Capacity / Article Size	ml	Up to 500	Up to 500	Up to 1000	Up to 1000	Up to 2000	Up to 2000	Up to 3000	Up to 3000	Up to 3000	Up to 5000	Up to 5000
Carriage Stroke	mm	280	280	305	305	330	330	425	425	500	525	525
Clamping Force	kN	14	14	16	16	25	25	40	40	40	120	120
Mould Dimensions (W x L x T)*	mm	240x170x80	240x170x80	280x260x120	280x260x120	300x320x160	300x320x160	360x350x200	360x350x200	440x300x160	480x420x260	480x420x260
Daylight Opening (Min/Max)	mm	75/225	75/225	115/300	115/300	155/355	155/355	190/445	190/445	155/355	240/540	240/540
Dry Cycle	sec	3	5	3.5	5.5	4	6	4	6	6	6	8
Extrusion Die Head Center Distance (CD)												
2 Cavities	mm	85	85	85	85	120	120	120	140	140	160	160
3 Cavities	mm	70	70	85	85	85	85	100	100	120	120	120
4 Cavities	mm			60	60	65	65	85	85	100	100	100
6 Cavities	mm									65	65	65
Extruder Unit with Inverter Drive												
Screw Diameter	mm	38	45	45	52	52	60	60	70	80	70	90
Length / Diameter Ratio	L/D	24	24	24	24	24	24	24	24	24	24	24
Number of Heating Zones	No.	3	3	3	3	3	3	3	3	3	3	5
Screw Speed (Max)	rpm	75	75	75	75	75	75	75	75	75	75	75
Hydraulic Unit												
Oil Tank Capacity	litre	110	170	170	170	170	170	200	200	200	250	300
Accumulator	litre	4	4	4	4	4	10	10	20	20	20	20
Energy Consumption with Inverter Drive												
Electric Screw Motor	kW	11	15	15	18.5	18.5	22	22	30	45	30	55
Main Drive Power	kW	4	4	7.5	7.5	7.5	7.5	7.5	7.5	7.5	15	18.5
Total Connected Load	kW	21.3	26.5	30.6	36.3	36.8	40.8	40.5	49.9	70.4	59.5	91.7
Average Power Consumption**	kW	11.5	14.2	16.7	19.8	20.1	22.1	21.9	26.5	37.3	35.7	55.02
Average Air Consumption	NL/min	600	1200	900	1800	1100	2200	1500	3000	3200	1800	3600
Required Air Pressure (Min)	bar	6	6	6	6	6	6	6	6	6	6	6
Mould Cooling System (Chiller)	ton	5	5	5	5	5	7	5	10	10	7	10
Cooling System Pressure	bar	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3	2-3
Hydraulic System Cooling*	kcal/hr	3500	3500	4500	4500	4500	4500	5000	7300	7300	7300	8600
Machine Dimensions												
Machine Width***	mm	1085	1810	1280	2075	1400	2225	1800	2510	2940	2050	3110
Machine Length***	mm	2105	2350	2850	2900	3055	3055	3270	3300	3565	3750	4400
Machine Height***	mm	2000	2000	2200	2330	2400	2400	2400	2600	2600	3000	3000
Machine Weight***	kg	4100	4800	7600	8500	8000	9400	9000	11500	12000	10000	14000

Remark: *Mould dimension including the water cooling connection

**Final values may vary as all are made to order

***Machine dimension excluding auto-punch and accessories