

ELECTRIC MACHINE

For container ranging from 100ml to 10 liters

TE & DTE Series – Technical Data



SMC Machine Model	Unit	2000TE	2000DTE	3000TE	3000DTE	5000TE	5000DTE	10000TE	10000DTE
General Specification									
Capacity / Article Size	ml	Up to 2000	Up to 2000	Up to 3000	Up to 3000	Up to 5000	Up to 5000	Up to 10000	Up to 10000
Carriage Stroke	mm	500	500	600	600	650	650	800	800
Clamping Force	kN	80	80	150	150	250	250	300	300
Mould Dimensions (W x L x T)*	mm	480x320x160	480x320x160	580x360x260	580x360x260	630x420x260	630x420x260	780x420x260	780x420x260
Daylight Opening (Min/Max)	mm	160/460	160/460	260/630	260/630	260/680	260/680	260/680	260/680
Dry Cycle	sec	2.6	7	2.6	7	3	8	3	8
Extrusion Die Head Center Distance (CD)									
2 Cavities	mm	160	160	180	180	250	250	280	280
3 Cavities	mm	120	120	160	160	180	180	220	220
4 Cavities	mm	100	100	120	120	140	140	180	180
6 Cavities	mm	65	65	85	85	85	85	120	120
8 Cavities	mm			65	65	65	65	85	85
Extruder Unit with Inverter Drive									
Screw Diameter	mm	60	70	70	80	80	90	90	110
Length / Diameter Ratio	L/D	24	24	24	24	24	24	24	24
Number of Heating Zones	No.	3	3	3	3	3	5	5	5
Screw Speed (Max.)	rpm	75	75	75	75	75	75	75	75
Energy Consumption (Inverter Drive)									
Electric Screw Motor	kW	22	30	30	45	45	55	55	90
Total Installed Power	kW	45	72	57	91	82	115	94	155
Average Power Consumption**	kWh	11	18	14	23	20	29	24	39
Average Air Consumption	NL/min	1600	3200	1800	3600	2000	4000	2500	5000
Required Air Pressure (Min.)	bar	6	6	6	6	6	6	6	6
Mould Cooling System (Chiller)	ton	5	7	5	10	7	10	10	10
Machine Dimensions									
Machine Width***	mm	2350	2700	2625	3250	2900	3450	3100	4200
Machine Length***	mm	4750	4750	6000	6000	6000	6000	6000	6670
Machine Height***	mm	3600	3600	3800	3800	3800	3800	3800	3800
Machine Weight***	kg	8500	10500	11000	13200	12000	14400	14000	18000

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

High Speed Blow Moulding Machine