

# ROBOSHOT S2000i 165B - micro



Injection Unit		English					Metric					
Injection Capacity Maximum GPPS	Ounces	0.95	1.68	1.95	3.42	4.87	Grams	27	48	55	97	138
Theoretical Displacement	In <sup>3</sup>	1.7	3.1	3.6	6.3	8.9	Cm <sup>3</sup>	29	50	58	103	147
Maximum Injection Pressure	PSI	37,710	37,710	34,809	31,908	27,557	Bar	2600	2600	2400	2200	1900
Maximum Pack Pressure	PSI	37,710	37,710	31,908	29,008	24,656	Bar	2600	2600	2200	2000	1700
Maximum Injection Velocity	In/Sec	12.99	12.99	12.99	12.99	12.99	Cm/Sec	33	33	33	33	33
Maximum Injection Rate	In <sup>3</sup> /Sec	7.65	10.69	12.40	16.19	20.49	Cm <sup>3</sup> /Sec	125	175	203	265	336
Screw Stroke	In	2.95	3.74	3.74	5.04	5.67	mm	75	95	95	128	144
Screw Diameter	In	0.87	1.02	1.10	1.26	1.42	mm	22	26	28	32	36
Screw L/D Ratio	L/D	20:1	20:1	20:1	20:1	20:1	L/D	20:1	20:1	20:1	20:1	20:1
Screw Speed Maximum	min <sup>-1</sup>	450	450	450	450	450	min <sup>-1</sup>	450	450	450	450	450
Nozzle Touch Force	US Tons	1.65	1.65	1.65	1.65	1.65	Tons	1.5	1.5	1.5	1.5	1.5
Number of Pyrometers (barrel/nozzle)		3 / 1	3 / 1	3 / 1	3 / 1	3 / 1		3 / 1	3 / 1	3 / 1	3 / 1	3 / 1
Total Heat Capacity	kW	3.8	6.5	7.2	8.4	9.1	kW	3.8	6.5	7.2	8.4	9.1
Clamping Unit		Standard		Optional		Standard		Optional				
Clamping Force	US Tons	165		198		kN		1500		1800		
Mold Opening Stroke	In	17.32		17.32		mm		440		440		
Clamp Speed	In/Sec	16.34		16.34		mm/sec		415		415		
Dry Cycle Time @ 50% Stroke	Seconds	1.86		1.86		Seconds		1.86		1.86		
Maximum Daylight	In	36.61		40.55		mm		930		930		
Minimum/Maximum Mold Thickness	In	7.8 ~ 19.3		11.8 ~ 23.2		mm		200 ~ 490		300 ~ 590		
Minimum Mold Size	In	13.8 x 11.8		13.8 x 11.8		mm		350 x 300		350 x 300		
Maximum Mold Weight	Lbs	2,425		2,425		Kg		1100		1100		
Platen Size (H x V)	In	31.5 x 29.5		31.5 x 29.5		mm		800 x 750		800 x 750		
Distance Between Tie Rods (H x V)	In	22.0 x 22.0		22.0 x 22.0		mm		560 x 510		560 x 510		
Tie Rod Diameter	In	3.54		3.54		mm		90		90		
Eject Stroke Maximum	In	5.91		2.76		mm		150		150		
Ejector Force	US Tons	2.2		5.91		kN		35		35		
Mold Locating Ring Inside Diameter	In	3.85		3.85		mm		101.6		101.6		
General Data												
Length Overall	In	218.1				mm		5540				
Width Overall	In	54.2				mm		1376				
Height Overall	In	71.6				mm		1818				
Weight	Lbs	15,653				Kg		7100				
Input Power	Ph/Volt	3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz		200V +/- 10% 50/60 Hz +/- 1 Hz		Ph/Volt		3 Phase, 220 +/- 10%, 60 Hz +/- 1Hz		200V +/- 10% 50/60 Hz +/- 1 Hz		
Breaker Size (machine only)	Amp	75				Amp		75				
Breaker Size (with outlets or mold heater)	Amp	175				Amp		175				
Machine	kva	27.3				kva		27.3				
External Outlet	kva	35.0				kva		35.0				
Maximum Total Capacity	kva	62.3				kva		62.3				