

Injection Moulding Machine		KM 1600 SpinForm	
Clamping Unit			
Clamping force	kN	1600	
Size of fixed and moving platen (h x v)	mm	2500 x 2100	
Size of swivel platen from center (h x v)	mm	+/- 1065 x + 840/- 680	
Clearance between tie bars (h x v)	mm	1850 x 1400	
Mould opening stroke MP (max.)	mm	2500	
Mould height min.	mm	2 x 770	
Max. daylight (FP-MP)	mm	2 x 1270	
Min. distance from FP to center of sliding table	mm	900	
Max. distance from FP to center of sliding table	mm	2300	
Max. stroke of sliding table	mm	1400	
Thickness of swivel platen	mm	260	
Max. mold weight at swivel platen	to	2 x 12,5	
Diameter of turntable	mm	1344	

Position	Injection unit fixed pl.	Injection unit moving pl.
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Injection Unit		SP 12000	SP 8100
Screw type		thermoplast with coating	thermoplast with coating
Materials		PC, PMMA transp.,ABS ABS/PC, PMMA/ABS	PC, PMMA transp.,ABS ABS/PC, PMMA/ABS
Working capacity		12000	8100
Screw diameter	mm	120	105
Ls/D-ratio		23	23
Injection pressure	bar	1758	1778
Stroke volume	cm³	6786	4546
Shot weight, PS (theoretical)	g	6175	4137
Injection rate (standard)	cm³/s	1118	805
Screw speed nominal / max.	1/min	103/145	123 / 151
Plasticizing rate at			
Screw speed nominal, PS	g/s	174	144
Screw speed max., PS	g/s	246	178
Nozzle contact pressure	kN	166	166
Nozzle radius, nozzle orifice	mm	19/6	19/6
Nozzle penetration depth	mm	100	100
Electric and Hydraulic Equipment			
Nominal capacity of pump motor (380 V, 60 Hz)	kW	230	126
Installed heating capacity	kW	84	59
Adjustable barrel heating zones	pc.	7	7
Hotrunner thermocouple type K		Yes	Yes
Options:			
Increased injec. rate with accumulator (ZE 70.21)	cm³/s	1696	not foreseen
Sockets type Schuko at OS, 220 V, 16 A	pc.	4	4

Dimension and weights	
Nettogewicht mit Schaltschrank	t
Length x Width x Height	m