

		Injection Moulding Machine Internal Specification
		53
IMM Type		
Production Location		OCH
Manufacturer		Krauss Maffei
Clamping force	[t]	300
Machine description		KM 300/1400 C2
Year of manufacture		2005
Color		white
Maschinen No. (Manufacturer)		
Order No. (Manufacturer)		
Special equipment (2K / GIT /Tandem/...)		No
Control (Type)		MC4
Installed power		110
machine weight	[t]	-
Link (drawings)		Link
Clamping Unit		
Magnetic system		No
Locking mechanism		hydraulic
Mold height min. h	[mm]	330
Mold height max. h	[mm]	-
Mold opening stroke max.	[mm]	1150
Permissible mold-Ø min. h x v	[mm]	441
Mold weight max.	[kg]	3430
Tie bar distance horizontal	[mm]	630
Tie bar distance vertical	[mm]	630
Overall size of platen h x v	[mm]	995 x 1050
distance from center to step on safety board	[mm]	-
Centering flange Ø A-side	[mm]	120
Centering flange Ø B-side	[mm]	160
Thread in clamping plate IMM		M20
Ejector connection		rigid coupling
Ejector stroke max.	[mm]	200
Ejector bolt on mold max.	[mm]	450
Thread Ø in ejector plate IMM		M20
Ejector force	[kN]	forward 58 / back 28
Mold opening force	[kN]	160
Adapter plate Plaston standard		-
Mould clamping Plaston standard		5990
Oil amount		720
Injection Unit		
Screw Ø	[mm]	60
L/D ratio		21
Screw type		Standard
Back flow valve type		more ball
Min. shot vol. for calc. (0.7d)	[cm3]	119
Max. shot vol. for calc. (3.3d or 4.3d)	[cm3]	560
Shot volume max.	[cm3]	679
Shot weight max. (PS, calculated)	[g]	618
Shot weight max. (HDPE, calculated)	[g]	482
Plasticizing stroke max. (calculated)	[mm]	240
System pressure max. hydr.	[bar]	180
Injection pressure max.	[bar]	2000
Nozzle pressure	[kN]	110
Injection rate max.	[mm/s]	300

Injection rate max. 2	[cm3/s]	848
Screw power unit		hydraulic
Machine nozzle Plaston standard		6121
Robot System		
Robot		Wittmann
Robot controller		W621-0977
QSG - No.		720
Implementing / Inbetriebnahme		2005
A - axis		No
A - axis, max. rotation		-
B - axis		Yes, pneum.
B - axis, max. rotation		180°
C - axis		Yes, pnem
C - axis, max. rotation		90°
X - axis, max. stroke	[mm]	550
Y - axis, max. stroke	[mm]	1200
Z - axis, max. stroke	[mm]	2530
Vacuum circuit		2
Pressure circuit		2
max. part and handling weight	[kg]	15
Connectors		
Count of hot runner control IMM		8
Air ejector (A-Side / B-Side)		0 / 2
Pneumatic connector / Plaston standard	[Type]	Z81/9/R1/8
Pneum. Shut-off nozzle (Hot runner)		Yes, controlled
Hydr.shut-off nozzle (Hot runner)		No
Hydr. shut-off nozzle (Barrel)		-
Core puller free programmable		Yes
Count of core puller IMM (A-Side / B-Side)		1 / 1
Hydraulic connector mold / Plaston standard	[Type]	Stäubli / 6104
Stäubli cooling battery connection		No
No. of cooling connector IMM (A- / B-side)		4 / 4
No. of heating unit connector IMM (A- / B-side)		-
Permanent cooling connector IMM		No
Count of Mold heater connector fix on IMM		No
Cooling connectors thread machine		G 1/4"
Cooling connectors mold / Plaston standard		13 / 6005
Specials/Equipment		
Blender		gravimetric
Machine-start-up switch		Yes
Parallel motion		Yes
Mold heater interface		No
IML-Ionisation device		No
Injection compression molding		No
Spring plate control		No
Spring plate control until		-
Spring plate control until3		-
Pressure accumulator (Akku)		Yes
Cavity pressure sensor		No
Interface Robot		-
Interface		special
Crane		
Crane weight limit	[t]	5
distance machine to crane	[mm]	1400

