

Technical Data		DMC 80 U	DMC 100 U	DMC 125 U	DMC 160 U
Work area					
X- / Y- / Z-axis	mm	800 / 800 / 800	1,000 / 1,000 / 1,000	1,250 / 1,000 / 1,000	1,600 / 1,250 / 1,000
Max. feed speed X / Y / Z	mm/min	60,000	60,000	60,000	60,000
Max. rapid traverse speed X / Y / Z	m/min	60	60	60	60
Machine weight	kg	15,000	17,800	19,300	40,000
3D CNC-control		■	■	■	■
Tool changer					
Tool fitting		SK40	SK40	SK40	SK40
Tool magazine / -changer	type	chain / horiz.	chain / horiz.	chain / horiz.	shelf / horiz.
Number of magazine pockets	units	60	60	60	60
Chip-to-chip time	s	5	5	5	6
Main drive of motor spindle					
Integrated motor spindle (SK40)					
		■	■	■	■
Power (40 / 100% DC)	kW	28 / 19	28 / 19	28 / 19	28 / 19
Max. torque (40 / 100% DC)	Nm	121 / 82	121 / 82	121 / 82	121 / 82
Max. spindle speed	rpm	12,000	12,000	12,000	12,000
Integrated motor spindle (SK40)					
		□	□	□	□
Power (40 / 100% DC)	kW	28 / 19	28 / 19	28 / 19	28 / 19
Max. torque (40 / 100% DC)	Nm	121 / 82	121 / 82	121 / 82	121 / 82
Max. spindle speed	rpm	18,000	18,000	18,000	18,000
Integrated motor spindle (SK50)					
		□	□	□	□
Power (40 / 100% DC)	kW	44 / 32	44 / 32	44 / 32	44 / 32
Max. torque (40 / 100% DC)	Nm	288 / 187	288 / 187	288 / 187	288 / 187
Max. spindle speed	rpm	10,000	10,000	10,000	10,000
Modular motor with transmission (SK50)					
		□	□	□	□
Power (40 / 100% DC)	kW	28 / 19	28 / 19	28 / 19	32 / 25
Max. torque (40 / 100% DC)	Nm	727 / 492	727 / 492	727 / 492	1,100 / 750
Max. spindle speed	rpm	8,000	8,000	8,000	6,300
Milling heads					
Automatic swivel head v / h					
		■	■	■	■
Swivel time SK40 / SK50	s	4 / 6	4 / 6	4 / 6	4 / 6
NC-controlled swivel milling head (B-axis)					
		□	□	□	□
Swivel range	degrees	0 - 190	0 - 190	0 - 190	0 - 210
Swivel time	s	1.2	1.2	1.2	3
Rapid traverse and feed	rpm	30	30	30	14
NC-controlled swivel milling head (A-axis)					
		-	□	□	□
Swivel range		-	130	130	130
Swivel time		-	3	3	3
Rapid traverse and feed		-	12,5	12,5	12,5
Tables					
NC-controlled rotary table with pallet attachment and 2 pallets (C-axis)					
		□	□	□	□
Pallet dimensions	mm	Ø 800 x 630	Ø 1,000 x 800	Ø 1,000 x 800	Ø 1,250 x 1,000
Max. load	kg	1,200	1,500	1,500	3,000
Rapid traverse	rpm	30	30	30	10
NC-swivel rotary table with pallet attachment, fixed horiz. milling head (autom. swivel milling head unnec.)					
		□	□	□	-
Pallet dimensions	mm	500 x 500	800 x 630	800 x 630	-
Max. load	kg	800	1,000	1,000	-
Rapid traverse and feed	rpm	30	30	30	-
Swivel range		-120° / 25°	-120° / 25°	-120° / 25°	-
Rotary pallet magazine RS					
		□	□	□	□
RX 4 incl. 4 pallets, pallet dimensions	mm	800 x 630	1,000 x 800	1,000 x 800	-
RX 3 incl. 3 pallets, pallet dimensions	mm	-	-	-	1,250 x 1,000
Max. load	kg	1,200	1,500	1,500	3,000