

Technical data PFZ

		PFZ 40	PFZ 50
Working area			
X-traverse range	[mm]	2000 - 10000	3000 - 10000
Y-traverse range	[mm]	1000 - 3000	1500 - 3000
Z-traverse range	[mm]	650 - 1200	800 - 1200
Min. distance table - spindle nozzle	[mm]	230	230
Machine table			
Table width	[mm]	1200 - 3000	1500 - 3000
Table length approx.	[mm]	X-stroke	X-stroke
T-slots, reference slot H7	[mm]	22 H9	22 H9
T-slots indexing	[mm]	660	660
Max. table load	[kg/m ²]	1000	1500 (2000) ²
Feed drive			
Max. rapid traverse in X/Y/Z	[m/min]	20/20/15 (30/30/25) ²	15/15/10 (20/20/15) ²
Max. feed force	[N]	10000	15000
Main spindle drive			
Standard drive no. ¹		110	161
Optional drive no. ¹		100, 111, 113	131, 133, 163
Tool holding fixture			
DIN 69871 A / DIN 69872 A		SK 40	SK 50
Optional		BT 40, HSK A63, C6	BT 50, HSK A100, C8
Tool changer			
Number of tool pockets standard		22	22
Optional expandable up to		90	90
Max. tool diameter	[mm]	85	110
By free adjacent pockets	[mm]	135	180
Max. tool length	[mm]	300 (400) ³	400
Tool change time approx.	[s]	13	13
Accuracy			
Positioning accuracy ⁴	[mm]	± 0,02 ⁵	± 0,02 ⁵
Repeating accuracy	[mm]	± 0,0075	± 0,0075

¹ Main spindle drives

		100	110	111	113
Speed range	[rpm]	6000	6000	6000	6000
Optional up to	[rpm]	15000	12000	12000	10000
Max. torque (40% DC)	[Nm]	95	143	191	255
Max. power (40% DC)	[kW]	20	30	40	40
		131	133	161	163
Speed range	[rpm]	4000	4000	4000	4000
Optional up to	[rpm]	9000	9000	7500	7500
Max. torque (40% DC)	[Nm]	286	355	540	540
Max. power (40% DC)	[kW]	45	56	28	57

² Optional features

³ From X-stroke 800 mm

⁴ Per 1000 mm per axis X/Y/Z

⁵ Increased accuracy on request