



# Technical data PFZ

## PFZ 40

## PFZ 50

### Working area

X-traverse range	[mm]	3000 - 10000	3000 - 10000
Y-traverse range	[mm]	1500 - 3000	1500 - 3000
Z-traverse range	[mm]	800 - 1500	800 - 1500
Distance table - spindle nozzle	[mm]	230	230

### Machine table

Table width	[mm]	1500 - 3000	1500 - 3000
Table length approx.	[mm]	X-Weg	X-Weg
T-slots, reference slot H7	[mm]	22 H9	22 H9
T-slots indexing	[mm]	660	660
Max. table load	[kg/m <sup>2</sup> ]	1500	1500 (2000) <sup>2</sup>

### Feed drive

Max. rapid traverse in X/Y/Z	[m/min]	15/15/10 (20/20/15) <sup>2</sup>	15/15/10 (20/20/15) <sup>2</sup>
Max. feed force	[N]	9000	12000

### Main spindle drive

Standard drive no. <sup>1</sup>		110	161
Optional drive no. <sup>1</sup>		100, 111, 113	131, 133, 163, 182

### Tool holding fixture

DIN ISO 7388-1 AD / DIN ISO 7388-3 AD		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		60 (90)	60 (90)
Max. tool diameter	[mm]	85	110
By free adjacent pockets	[mm]	135	180
Max. tool length	[mm]	400	400

### Accuracy

Positioning accuracy <sup>3</sup>	[mm]	± 0,02 <sup>4</sup>	± 0,02 <sup>4</sup>
Repeating accuracy	[mm]	± 0,0075	± 0,0075

### <sup>1</sup> Main spindle drives

		<b>100</b>	<b>110</b>	<b>111</b>	<b>113</b>	
Speed range	[rpm]	6000	6000	6000	6000	
Optional up to	[rpm]	15000	12000	12000	12000	
Max. torque (40% DC)	[Nm]	95	143	191	255	
Max. power (40% DC)	[kW]	20	30	40	40	
		<b>131</b>	<b>133</b>	<b>161</b>	<b>163</b>	<b>182</b>
Speed range	[rpm]	4000	4000	4000	4000	4000
Optional up to	[rpm]	9000	9000	7500	7500	-
Max. torque (40% DC)	[Nm]	286	355	540	540	820
Max. power (40% DC)	[kW]	45	56	28	57	81

<sup>2</sup> Optional features

<sup>3</sup> Per 1000 mm per axis X/Y/Z

<sup>4</sup> Increased accuracy on request

Technical specifications refer to the standard version. Extensions and modifications upon request and depending on overall configuration and application.