

Technical data VPC 2800 U

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Working area

X-traverse range vertical	[mm]	3900 (5000) ²
X-traverse range horizontal	[mm]	3900 (5000) ²
Y-traverse range	[mm]	2940
Z-traverse range	[mm]	1100 (1300) ²

CNC-rotary table

Clamping surface	[mm]	∅ 2800
Max. transport weight	[kg]	15000
Max. tangential moment	[Nm]	40000
Max. tilting moment	[Nm]	90000
Accuracy measuring system	[arcsec]	± 2,5" (1") ²
Min. distance table - spindle nozzle vert.	[mm]	90
Min. distance table - spindle nozzle hor.	[mm]	180

Feed drive

Max. rapid traverse in X/Y/Z	[m/min]	30/30/25
Max. feed force	[N]	9000

Main spindle drive

Standard drive no. ¹		140 (173) ²
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Tool holding fixture

DIN 69871 A / DIN 69872 A		SK 50
Optional		BT 50, HSK A100

Tilting spindle head

Swivelling range B-axis		-90°
Indexing		fully interpolating

Tool changer

Number of tool pockets standard		20
Optional expandable up to		120
Max. tool diameter	[mm]	110
By free adjacent pockets	[mm]	180
Max. tool length	[mm]	400 (300) ⁴

Accuracy

Positioning accuracy ³	[mm]	± 0,015 (± 0,008) ²
Repeating accuracy	[mm]	± 0,01 (± 0,006) ²

¹ Main spindle drives

		140	173
Speed range	[rpm]	6000	6000
Optional up to	[rpm]	9000	7500
Max. torque	[Nm]	200 (100% DC)	445 (40% DC)
Max. power	[kW]	63 (100% DC)	70 (40% DC)

² Optional features

³ Per 1000 mm per axis X/Y/Z with vertical spindle

⁴ Max. tool length 2 magazine

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