

FZP42

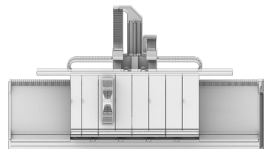
FZP-LINE PERFORMANCE GANTRY



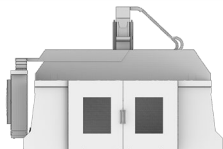
6 100 – 43 100 mm

7 200 – 10 700 mm

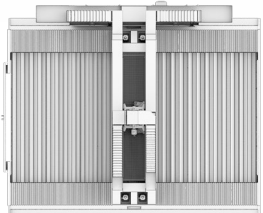
6 100 – 43 100 mm



5 700 – 8 950 mm



5 700 – 8 950 mm



7 200 – 10 700 mm

Additional variants available.
Subject to technical modifications.
Images similar.

TECHNICAL DATA.

FZP42

Working Ranges

X-axis	3 000 – 40 000 mm
Y-axis	2 500 – 6 000 mm
Z-axis	1 250 – 3 000 mm

Table Size

Length	3 000 – 40 000 mm
Width	2 500 – 6 000 mm
Height	250 mm
Table load	max. 15 000 kg/m ²
T-Slots (longitudinal)	18 ^{H12}
Pitch of T-slots	250 mm

Drives – Linear Axes

Feed rate	X-, Y-, Z-axis	up to 60 m/min
Acceleration	X-, Y-, Z-axis	max. 3-5 m/s ²

Dimensions

Required space (without peripherals)	Length	6 100 – 43 100 mm
	Width	7 200 – 10 700 mm
	Height	5 700 – 8 950 mm

Accuracy

Standard accuracy	in accordance to VDI / DGQ 3441 or ISO 230-2
Special accuracy	on request

MILLING HEAD VH60

Performance

Torque rotary axes	in control	A-, C-axis: 3 000 Nm
	clamped	A-axis: 5 600 Nm
		C-axis: 6 000 Nm

Swivelling Range

A-axis	± 110°
C-axis	± 360°

Drives – Rotary Axes

Rate of feed A-, C-axis	A-, C-axis	360°/s
Acceleration A-, C-axis	A-, C-axis	700°/s ²
Resolution	A-, C-axis	0.0001°

Accuracy

Positioning accuracy	A-, C-axis	10"
Repeatability	A-, C-axis	6"

MILLING HEAD VH60

Milling Spindle – 63 kW*

Spindle power	S1 (100 %)	63 kW
	S6 (40 %/2 min)	82 kW
Spindle speed	15 000 rpm	
Torque	S1 (100 %)	300 Nm
	S6 (40 %/2 min)	392 Nm
Constant power	S1 (100 %)	2 000 – 15 000 rpm
Swivel axis – spindle nose	385 mm	
Tool holder	HSK-A100	
Tool clamping	spring clamp	
Tool unclamping	hydraulic	
Lubrication	oil-mist lubrication	

Milling Spindle – 93 kW*

Spindle power	S1 (100 %)	93 kW
	S6 (40 %/2 min)	103 kW
Spindle speed	8 000 rpm	
Torque	S1 (100 %)	444 Nm
	S6 (40 %/2 min)	553 Nm
Constant power	S1 (100 %)	2 000 – 8 000 rpm
Swivel axis – spindle nose	385 mm	
Tool holder	HSK-A100	
Tool clamping	spring clamp	
Tool unclamping	hydraulic	
Lubrication	oil mist lubrication	

MuST® Spindle Changing System

Roughing Spindle 1 – 44 kW

Spindle power	S1 (100 %)	44 kW
	S6 (40 %/2 min)	42 kW
Spindle speed	10 000 rpm	
Torque	S1 (100 %)	200 Nm
	S6 (40 %/2 min)	230 Nm

Roughing Spindle 2 – 45 kW

Spindle power	S1 (100 %)	45 kW
	S6 (40 %/2 min)	60 kW
Spindle speed	5 000 rpm	
Torque	S1 (100 %)	344 Nm
	S6 (40 %/2 min)	454 Nm

Universal Spindle – 50 kW

Spindle power	S1 (100 %)	50 kW
	S6 (40 %/2 min)	58 kW
Spindle speed	24 000 rpm	
Torque	S1 (100 %)	95 Nm
	S6 (40 %/2 min)	117 Nm

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