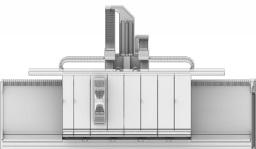


FZP37

FZP-LINE PERFORMANCE GANTRY



5 600 – 44 600 mm



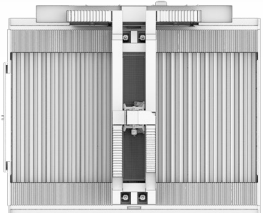
5 450 – 8 450 mm

7 100 – 10 700 mm



5 450 – 8 450 mm

5 600 – 44 600 mm



7 100 – 10 700 mm

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

TECHNICAL DATA.

FZP37

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. 5 000 kg/m ²
T-Slots (longitudinal)	18 ^{H12} (opt. 18 ^{H8})
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	5 600 – 44 600 mm
	Width	7 100 – 10 700 mm
	Height	5 450 – 8 450 mm

Accuracy

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

MILLING HEADS VH20, VH30, VH40

Performance

Torque rotary axes	in control	A-axis: min. 1 200 Nm C-axis: 1 047 Nm (opt. 1 279 Nm)
	clamped	A-, C-axis: 3 000 Nm

Swivelling Range

A-axis	± 110° or +125° / -95°
C-axis	up to 300° / 360° (opt. ∞)

Drives - Rotary Axes

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

Accuracy

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

VH20 Milling Spindle – 45 kW (60 hp)*

Spindle power	S1 (100 %)	45 kW
	S6 (40 % / 2 min)	57 kW
Spindle speed		25 000 rpm
Torque	S1 (100 %)	67 Nm
	S6 (40 % / 2 min)	85 Nm
Constant power		6 400 – 25 000 rpm
Swivel axis – spindle nose		326 mm
Tool holder		HSK-A63
Tool clamping		spring clamp
Tool unclamping		hydraulic
Lubrication		permanent grease lubrication

VH30 Milling Spindle – 74 kW (99 hp)*

Spindle power	S1 (100 %)	74 kW
	S6 (40 % / 2 min)	78 kW
Spindle speed		30 000 rpm
Torque	S1 (100 %)	73 Nm
	S6 (40 % / 2 min)	92 Nm
Constant power	S1 (100 %)	9 690 – 30 000 rpm
Swivel axis – spindle nose		301 mm
Tool holder		HSK-A63
Tool clamping		spring clamp
Tool unclamping		hydraulic
Lubrication		oil mist lubrication

VH40 Milling Spindle (Fischer) – 125 kW (169 hp)*

Spindle Power	S1 (100 %)	125 kW (169 hp)
	S6 (40 % / 2 min)	156 kW (212 hp)
Spindle Speed		30 000 rpm (Oil-Mist Lubrication)
Torque	S1 (100 %)	60 Nm (44 ft lb)
	S6 (40 % / 2 min)	75 Nm (55 ft lb)
Constant Power	S1 (100 %)	20 000 – 30 000 rpm
	S6 (40 % / 2 min)	20 000 – 30 000 rpm
Swivel Axis – Spindle Nose VH40		301 mm (12")
Tool Holder		HSK-A63/80

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