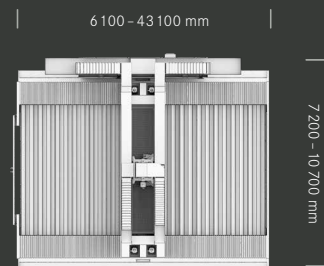
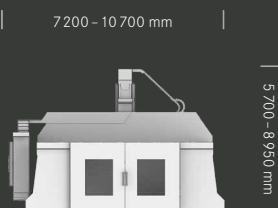
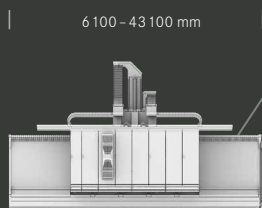


# FZP42

➤ FZP-LINE  
**Performance Gantry Machine**



## ➤ Technical Data

FZP42		
<b>Working Ranges*</b>		
X-axis		3 000 – 40 000 mm
Y-axis		2 500 – 6 000 mm
Z-axis		1 250 – 3 000 mm
<b>Table Size</b>		
Length		3 000 – 40 000 mm
Width		2 500 – 6 000 mm
Table load		max. 15 000 kg/m <sup>2</sup>
T-Slots (longitudinal)		18 <sup>H12</sup>
Pitch of T-slots		250 mm
Machine table		above floor level/on floor level
<b>Drives – Linear Axes</b>		
Feed rate	X-, Y-, Z-axis	up to 60 m/min
Acceleration	X-, Y-, Z-axis	up to 3 m/s <sup>2</sup>
<b>Dimensions</b>		
Required space (without peripherals)	Length	6 100 – 43 100 mm
	Width	7 200 – 10 700 mm
	Height	5 700 – 8 950 mm
<b>Accuracy</b>		
Standard accuracy	in accordance to VDI/DGQ 3441 or ISO 230-2	
Special accuracy	on request	
<b>CNC control</b>		
select from	Heidenhain TNC 7 Siemens SINUMERIK ONE	
<b>Equipment (optional)</b>		
<ul style="list-style-type: none"> <li>▣ Tool probe ▣ Tool measuring system ▣ Work area cover</li> <li>▣ Tool changer ▣ Chip conveyor ▣ Mist/dust extraction system</li> <li>▣ Lubricant cooling ▣ Minimum quantity lubrication</li> <li>▣ Vacuum system</li> </ul>		

Further equipment on request.

MILLING HEAD VH60		
<b>Performance</b>		
Torque rotary axes	in control	A-, C-axis: 3 000 Nm
	clamped	A-axis: 5 600 Nm C-axis: 6 000 Nm
<b>Swivelling Range</b>		
A-axis	± 110° oder + 125° / -95°	
C-axis	300° at Z = 1 250 mm 360° at Z = 1 500 mm	
<b>Drives – Rotary Axes</b>		
Rate of feed	A-, C-axis	360°/s
Acceleration	A-, C-axis	700°/s <sup>2</sup>
Resolution	A-, C-axis	0.0001°
<b>Accuracy</b>		
Positioning	A-, C-axis	10"
Repeatability	A-, C-axis	6"
<b>Milling Spindle – 63 kW**</b>		
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
Tool holder	HSK-A100	
<b>Milling Spindle – 93 kW**</b>		
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
Tool holder	HSK-A100	
<b>MuST® Spindle Changing System, Roughing Spindle 1 – 44 kW</b>		
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
Tool holder	HSK-A100	
<b>Roughing Spindle 2 – 45 kW</b>		
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
Tool holder	HSK-A100	
<b>Universal Spindle – 50 kW</b>		
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
Tool holder	HSK-A63	

F. Zimmermann GmbH  
Bernhäuser Straße 35  
73765 Neuhausen a.d.F.

T +49 715 894 895 5-0  
E info@f-zimmermann.com  
W f-zimmermann.com

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