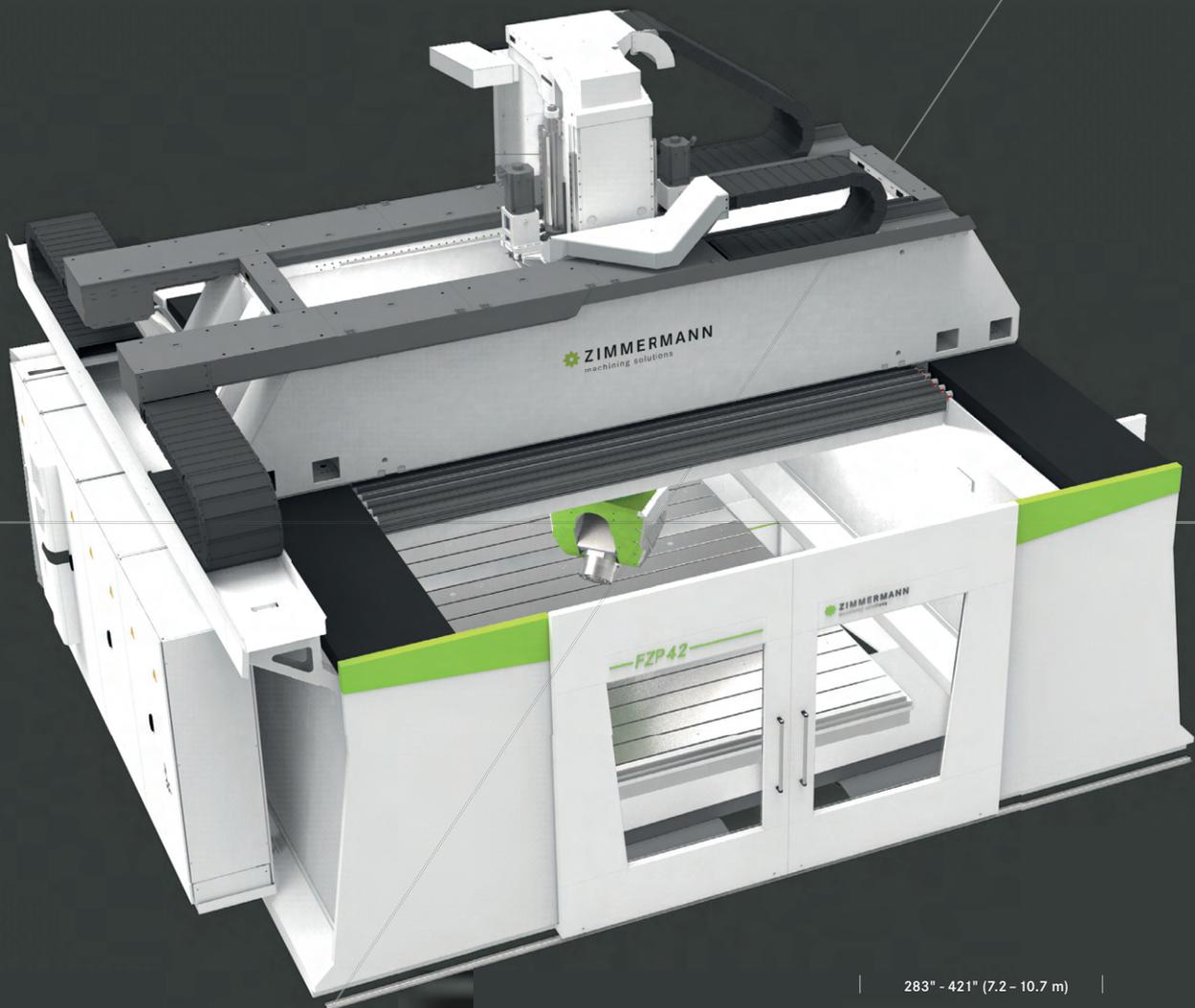
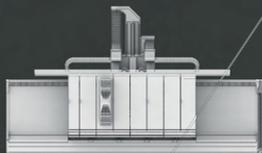


# FZP42

➤ CUSTOMIZED



240" - 1,697" (6.1 - 43.1 m)



224" - 352" (5.7 - 8.95 m)

283" - 421" (7.2 - 10.7 m)



224" - 352" (5.7 - 8.95 m)

283" - 421" (7.2 - 10.7 m)



7'200 - 10'700 mm

## ➤ Technical Data

FZP42		
<b>Working Ranges*</b>		
X-axis	118" - 1,575" (3 - 40 m)	
Y-axis	98" - 236" (2.5 - 6 m)	
Z-axis	49" - 118" (1.25 - 3 m)	
<b>Table Size</b>		
Length	118" - 1,575" (3 - 40 m)	
Width	98" - 236" (2.5 - 6 m)	
Table load	max. 15 000 kg/m <sup>2</sup>	
T-Slots (longitudinal)	18 <sup>H12</sup>	
Pitch of T-slots	10" (0.25 m)	
Machine table	above floor level/on floor level	
<b>Drives - Linear Axes</b>		
Feed rate	X-, Y-, Z-axis	up to 2362 ipm (60 m/min)
Acceleration	X-, Y-, Z-axis	up to 118 in/s <sup>2</sup> (3 m/s <sup>2</sup> )
<b>Dimensions</b>		
Required space (without peripherals)	Length	240" - 1,697 (6.1 - 43.1 m)
	Width	283" - 421" (7.2 - 10.7 m)
	Height	224" - 352" (5.7 - 8.95 m)
<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>		
■ Tool probe ■ Tool measuring system ■ Work area cover ■ Tool changer ■ Chip conveyor ■ Mist/dust extraction system ■ Lubricant cooling ■ Minimum quantity lubrication ■ Vacuum system		

Further equipment on request.

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MILLING HEAD VH60		
<b>Performance</b>		
Torque rotary axes	in control	A-, C-axis: 2,213 ft lb (3 000 Nm)
	clamped	A-axis: 4,130 ft lb (5 600 Nm) C-axis: 4,425 ft lb (6 000 Nm)
<b>Swivelling Range</b>		
A-axis	± 110° oder +125°/-95°	
C-axis	300° at Z = 49" (1.25 m)	
	360° at Z = 118" (1.5 m)	
<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 - 84 hp (63 kW)**</b>		
Spindle power	S1 (100%)	84 hp (63 kW)
	S6 (40%/2 min)	110 hp (82 kW)
Spindle speed	15 000 rpm	
Torque	S1 (100%)	221 ft lb (300 Nm)
	S6 (40%/2 min)	289 ft lb (392 Nm)
Constant power	S1 (100%)	2 000 - 15 000 rpm
Tool holder	HSK-A100	
<b>Milling Spindle - 125 hp (93 kW)**</b>		
Spindle power	S1 (100%)	125 hp (93 kW)
	S6 (40%/2 min)	138 hp (103 kW)
Spindle speed	8 000 rpm	
Torque	S1 (100%)	327 ft lb (444 Nm)
	S6 (40%/2 min)	408 ft lb (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%)	148 ft lb (200 Nm)
	S6 (40%/2 min)	170 ft lb (230 Nm)
Tool holder	HSK-A100	
<b>Roughing Spindle 2 - 60 hp (45 kW)</b>		
Spindle power	S1 (100%)	60 hp (45 kW)
	S6 (40%/2 min)	80 hp (60 kW)
Spindle speed	5 000 rpm	
Torque	S1 (100%)	254 ft lb (344 Nm)
	S6 (40%/2 min)	335 ft lb (454 Nm)
Tool holder	HSK-A100	
<b>Universal Spindle - 67 hp (50 kW)</b>		
Spindle power	S1 (100%)	67 hp (50 kW)
	S6 (40%/2 min)	78 hp (58 kW)
Spindle speed	24 000 rpm	
Torque	S1 (100%)	70 ft lb (95 Nm)
	S6 (40%/2 min)	86 ft lb (117 Nm)
Tool holder	HSK-A63	