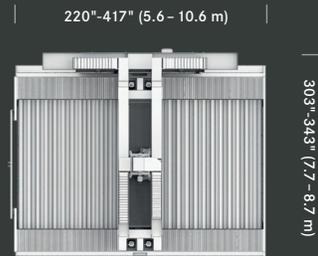
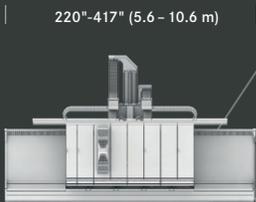
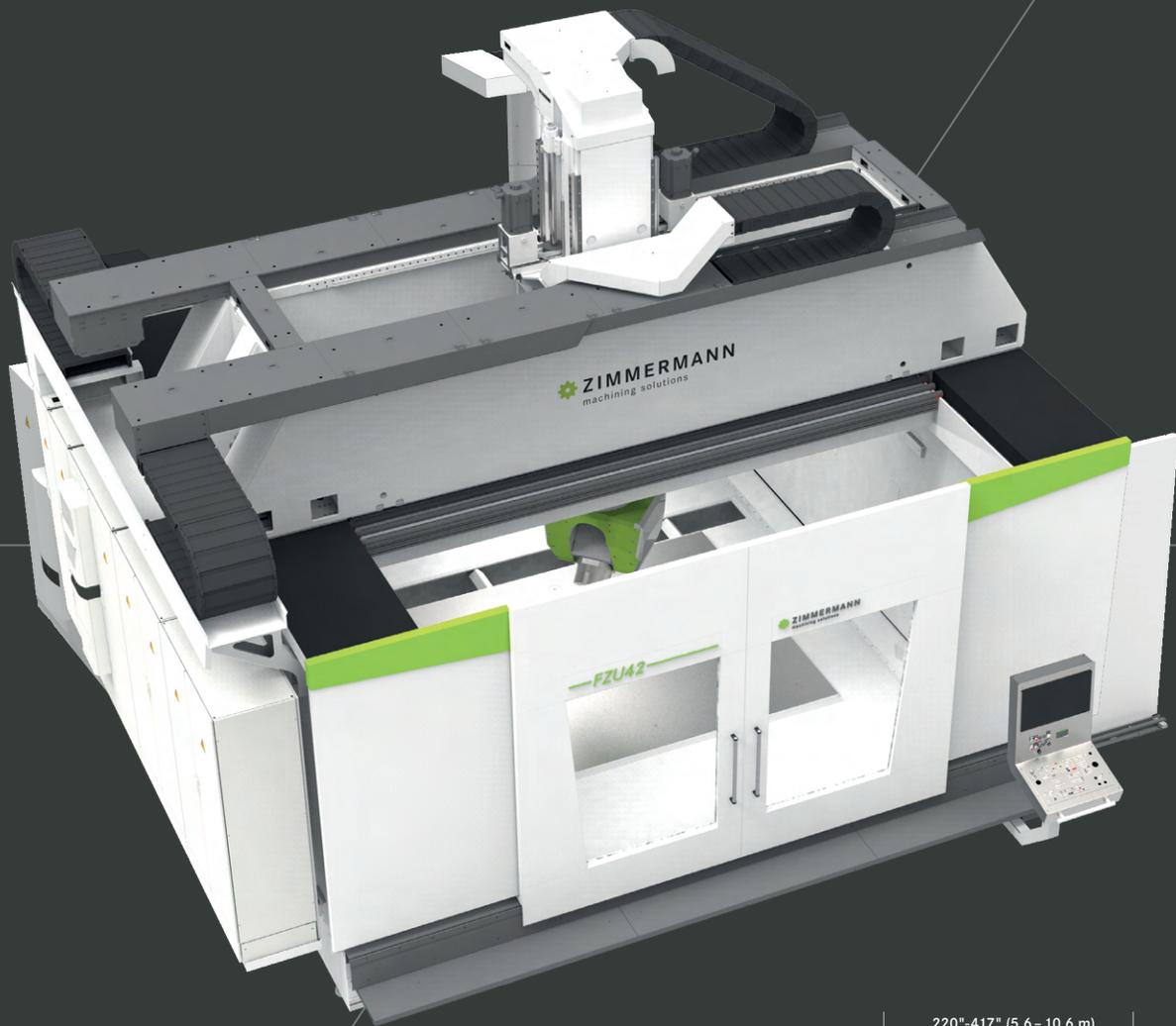


FZU42

➤ COMPACT



➤ Technical Data

FZU42		
Working Ranges*		
X-axis	98" - 236" (2.5 - 6 m)	
Y-axis	118" / 138" / 157" (3 / 3.5 / 4 m)	
Z-axis	49" / 59" (1.25 / 1.5)	
Table Size		
Length	98" - 236" (2.5 - 6 m)	
Width	118" - 157" (3 - 4 m)	
Table load	8 000 kg/m ² (max. 35 t)	
T-Slots (longitudinal)	18 ^{H12} (opt. 18 ^{H8})	
Pitch of T-slots	10" (0.25 m)	
Drives – Linear Axes		
Feed rate	X-, Y-, Z-axis	up to 2362 ipm (60 m/min)
Acceleration	X-, Y-, Z-axis	up to 118 in/s ² (3 m/s ²)
Dimensions		
Required space (without peripherals)	Length	220" - 417" (5.6-10.6 m)
	Width	303" - 343" (7.7 - 8.7 m)
	Height	248" - 268" (6.3 - 6.8 m)
Accuracy		
Standard accuracy	in accordance to VDI/DGQ 3441 or ISO 230-2	
Special accuracy	on request	
CNC control		
select from	Heidenhain TNC 7 Siemens SINUMERIK ONE	
Equipment (optional)		
■ 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.

MILLING HEAD VH60		
Performance		
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)
Swivelling Range		
A-axis	±110° or +125°/-95°	
C-axis	300° at Z = 49" (1.25 m)	
	360° at Z = 59" (1.5 m)	
Drives – Rotary Axes		
Rate of feed	A-, C-axis	360°/s
Acceleration	A-, C-axis	700°/s
Resolution	A-, C-axis	0,0001°
Accuracy		
Positioning	A-, C-axis	10"
Repeatability	A-, C-axis	6"
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
Tool holder	HSK-A100	
Milling Spindle – 93 kW**		
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	
MuST® Spindle Changing System		
Roughing Spindle 1 – 44 kW		
Spindle power	S1 (100%)	59 hp (44 kW)
	S6 (40%/2 min)	56 hp (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	
Roughing Spindle 2 – 45 kW		
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	
Universal Spindle – 50 kW		
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	

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