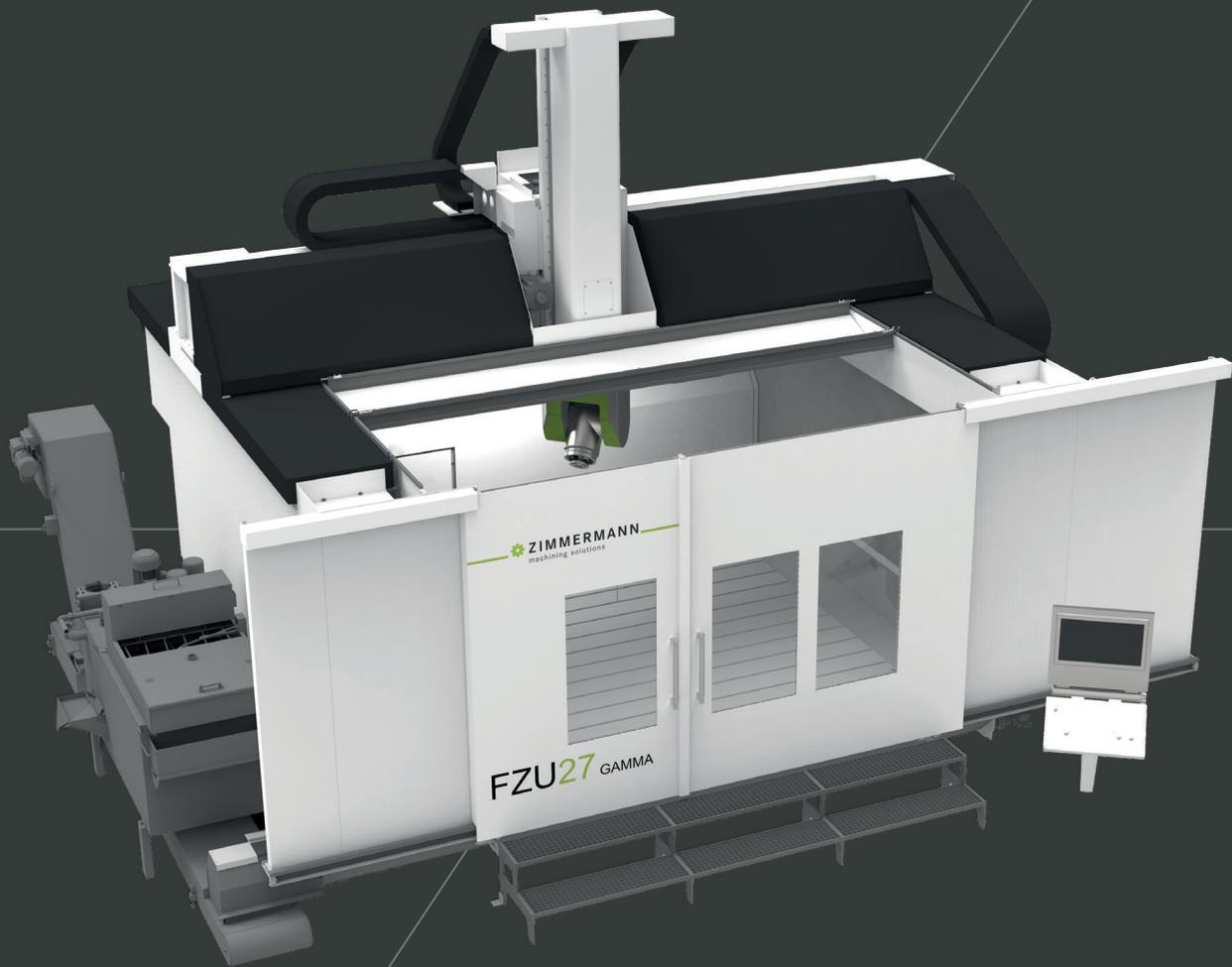
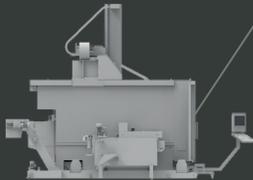


FZU27

➤ COMPACT

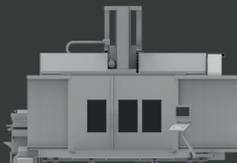


170" - 247 (4.32 - 6.27 m)



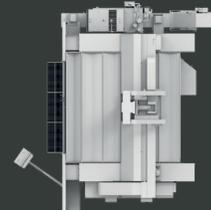
191" - 232" (4.84 - 5.9 m)

212" - 291 (5.39 - 7.39 m)



191" - 232" (4.84 - 5.9 m)

170" - 247 (4.32 - 6.27 m)



212" - 291" (5.39 - 7.39 m)

➤ Technical Data

FZU27		
Working Ranges*		
X-axis		79" / 98" / 157" (2 / 2.5 / 4 m)
Y-axis		98" / 138" (2.5 / 3.5 m)
Z-axis		49" / 59" / 69" (1.25 / 1.5 / 1.75 m)
Table size		
Height		35" (0.9 m)
Table load		2000 kg/m ² (max. 10 t)
T-Slots (longitudinal)		18 ^{H12}
Pitch of T-Slots		8" (0.2 m)
Drives Linear Axes		
Feed rate	X-, Y-axis	up to 2,362 ipm (60 m/min)
Feed rate	Z-axis	up to 1,574 ipm (40 m/min)
Acceleration	X-, Y-, Z-axis	max. 118 - 197 in/s ² (3 - 5 m/s ²)
Dimensions		
Required space (without peripherals)	Length	170" - 247" (4.32 - 6.27 m)
	Width	212" - 291" (5.39 - 7.39 m)
	Height	191" - 232" (4.84 - 5.9 m)
Accuracy		
Standard in accordance	to VDI/DGQ 3441 or ISO 230-2	
CNC control		
	Heidenhain TNC7 Siemens SINUMERIK ONE	
Equipment (optional)		
■ Tool probe ■ Tool measuring system ■ Work area cover ■ Tool changer ■ Chip conveyor ■ Mist/dust extraction system ■ Minimum quantity lubrication ■ Vacuum system		

Further equipment on request.

MILLING HEAD C3		
Performance		
Torque rotary axes	in control	A-axis: 870 ft lb (1.180 Nm) C-axis: 966 ft lb (1.310 Nm)
	clamped	A-, C-axis: 811 ft lb (1.100 Nm) A-, C-axis: 738 ft lb (1.000 Nm)
Swivelling Range		
A-axis	±96° or ±120°	
C-axis	±270°	
Drives - Rotary Axes		
Rate of feed	A-, C-axis	108°/s, 84°/s
Acceleration	A-, C-axis	5 1/s ² , 3 1/s ²
Accuracy		
Positioning accuracy	A-, C-axis	20"
Repeatability	A-, C-axis	10"
Milling Spindle - 20 kW*		
Spindle power	S1 (100%)	27 hp (20 kW)
	S6 (40%/2 min)	35 hp (26 kW)
Spindle speed	26 000 U/min	
Torque	S1 (100%)	23 ft lb (32 Nm)
	S6 (40%/2 min)	30 ft lb (41 Nm)
Constant power	6 000 - 26 000 U/min	
Swivel axis - spindle nose	7.6" (19.5 cm)	
Tool holder	HSK-F63	
Tool clamping	spring clamp	
Tool unclamp	pneumatic	
Lubrication Grease	permanent lubrication	

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