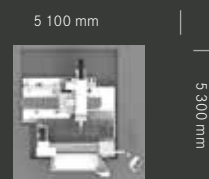
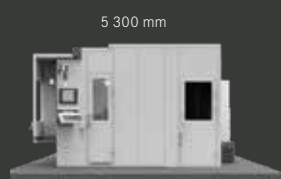
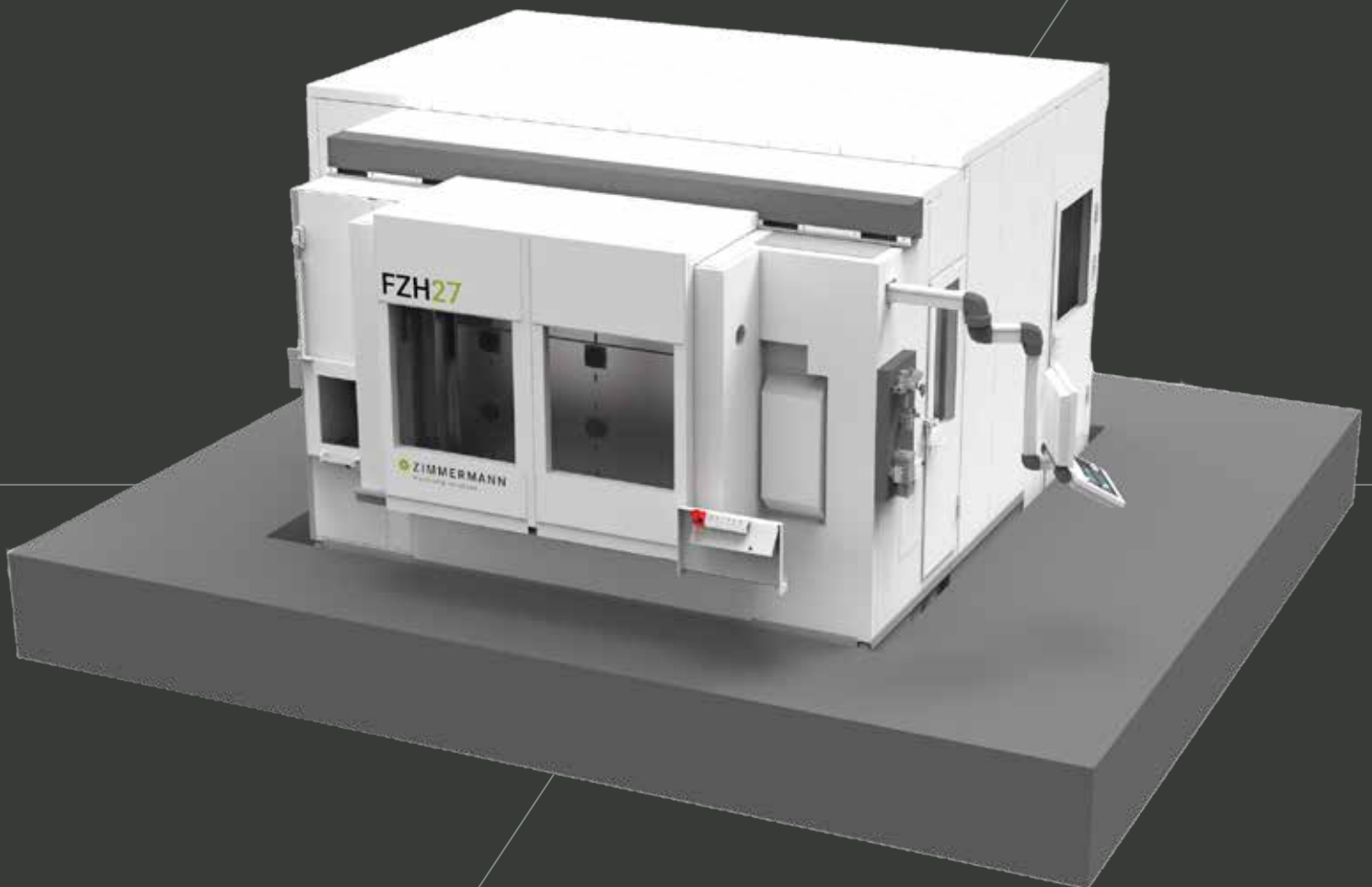


FZH 27

➤ FZH-LINE
Horizontal Machining Center



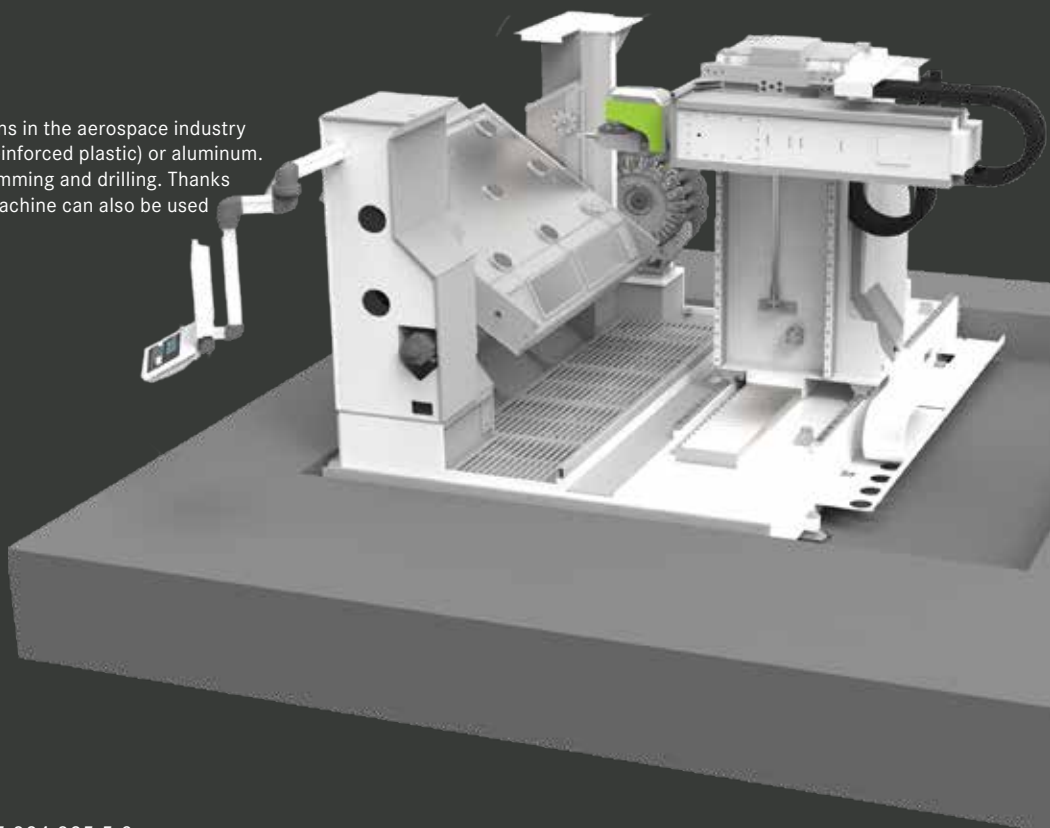
*425 mm depth into the foundation is already taken into account.
Other length/height variants possible. Subject to technical changes. Illustrations similar.

➤ Technical Data

FZH27		
Working Ranges		
X-axis		2 500/4 500/6 500 mm
Y-axis		1 600 or 2 100 mm
Z-axis		700 mm
Drives Linear Axes		
Rate of Feed	X-axis	up to 60 m/min
Rate of Feed	Y-, Z-axis	up to 40 m/min
Acceleration	X-, Y-, Z-axis	max. 2 m/s ²
Dimensions		
Required space (without peripherals)	Length	5 100 mm
	Width	5 300 mm
	Height	3 400 mm*
Accuracy		
Standard	in accordance to VDI/DGQ 3441 or ISO 230-2	
CNC control		
Siemens SINUMERIK ONE		
Equipment (optional)		
Automation ▣ Chip conveyor ▣ Fixture holders ▣ Minimum quantity lubrication ▣ Mist/dust extraction system ▣ Tool changer ▣ Tool measuring system ▣ Touch probe ▣ Vacuum system ▣ longer working ranges in X-axis		

MILLING HEAD S2		
Performance		
Torque rotary axes	in control	A-axis: 568 Nm C-axis: 690 Nm
	clamped	A-axis: 460 Nm
Swivelling Range		
A-axis		± 96° or ± 120°
C-axis		± 186°
Drives Rotary Axes		
Rate of Feed	A-, C-axis	162°/s, 114°/s
Acceleration	A-, C-axis	3 1/s ² , 2 1/s ²
Accuracy		
Positioning accuracy	A-, C-axis	20"
Repeatability	A-, C-axis	10"
Milling Spindle - 15 kW		
Spindle power	S1 (100%)	15 kW
	S6 (40%/2 min)	18 kW
Spindle speed		24 000 U/min
Torque	S1 (100%)	12 Nm
	S6 (40%/2 min)	14 Nm
Constant power		12 000 -24 000 U/min
Swivel axis - spindle nose		174 mm
Center offset spindle to C-axis		130 mm
Tool holder		HSK-F63
Tool clamping		spring clamp
Tool release		pneumatic
Lubrication		permanent lubrication

The machine is specially designed for applications in the aerospace industry and is ideal for processing CFRP (carbon fiber reinforced plastic) or aluminum. Typical machining operations include milling, trimming and drilling. Thanks to its compact design and small footprint, the machine can also be used efficiently in confined production environments.



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