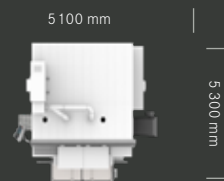
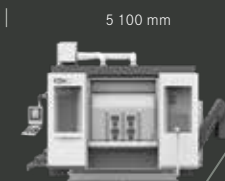
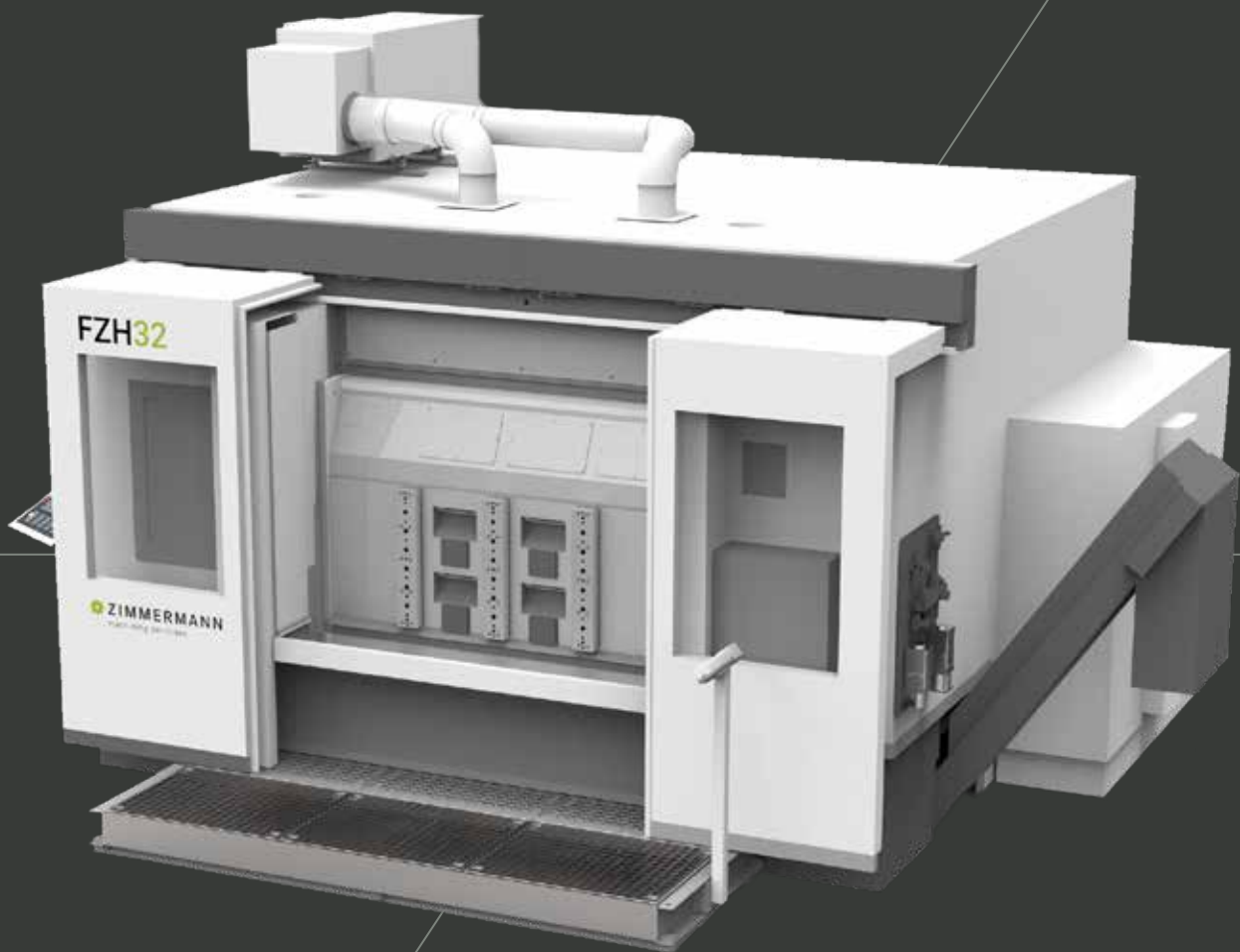


# FZH32

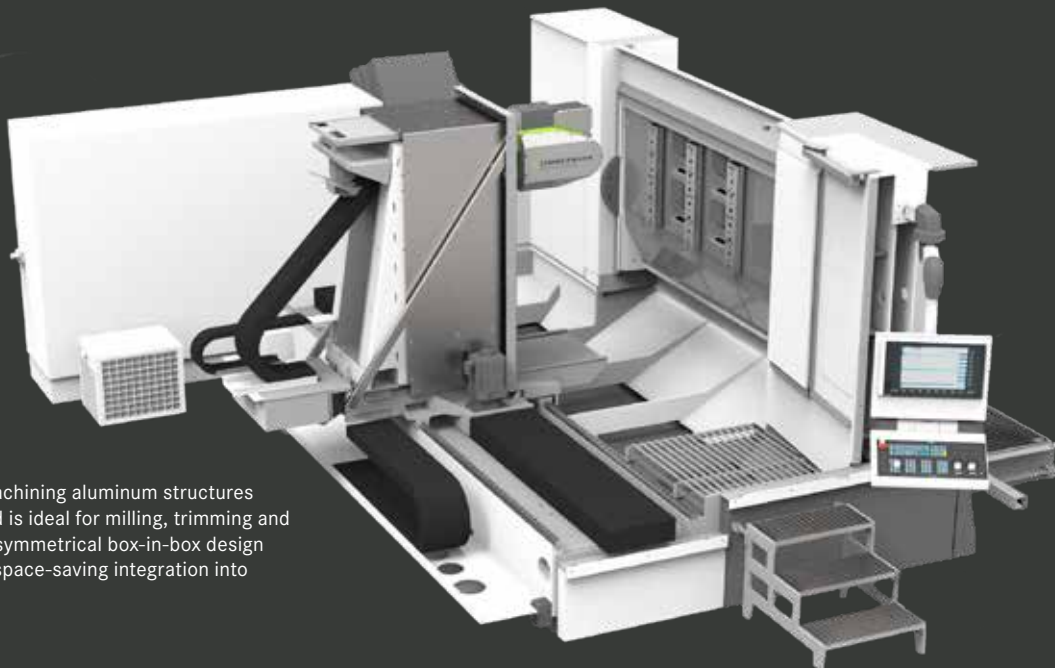
➤ FZH-LINE  
Horizontal Machining Center



## ➤ Technical Data

FZH32		
<b>Working Ranges</b>		
X-axis		2 800 - 3 400 mm (in steps of 500 mm up to 6 400 mm)
Y-axis		950 or 1 250 mm
Z-axis		600 mm
<b>Drives Linear Axes</b>		
Rate of Feed	X-axis	up to 70 m/min
	Y-axis	up to 40 m/min
	Z-axis	up to 60 m/min
Acceleration	X-, Y-, Z-axis	max. 3 m/s <sup>2</sup>
<b>Dimensions</b>		
Required space (without peripherals)	Length	5 300 mm
	Width	5 100 mm
	Height	3 000 mm
<b>Accuracy</b>		
Standard	in accordance to VDI/DGQ 3441 or ISO 230-2	
<b>CNC control</b>		
	Siemens SINUMERIK ONE	
<b>Equipment (optional)</b>		
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 C3E		
<b>Performance</b>		
Torque rotary axes	in control	A-axis: 1 180 Nm C-axis: 1 310 Nm
	clamped	A-axis: 1 100 Nm C-axis: 1 000 Nm
<b>Swivelling Range</b>		
A-axis	+ 96°/ -1°	
C-axis	± 186°	
<b>Drives Rotary Axes</b>		
Rate of Feed	A-, C-axis	108°/s, 84°/s
Acceleration	A-, C-axis	3 1/s <sup>2</sup> , 2 1/s <sup>2</sup>
<b>Accuracy</b>		
Positioning accuracy	A-, C-axis	20", 10"
Repeatability	A-, C-axis	10", 8"
<b>Milling Spindle - 25 kW</b>		
Spindle power	S1 (100%)	25 kW
	S6 (40%/2 min)	35 kW
Spindle speed	15 000 U/min (opt. 18 000 U/min)	
Torque	S1 (100%)	60 Nm
	S6 (40%/2 min)	83 Nm
Constant power	4 000 - 15 000 U/min	
Swivel axis - spindle nose	220 mm	
Center offset spindle to C-axis	165 mm	
Tool holder	HSK-A63	
Tool clamping	spring clamp	
Tool release	hydraulic	
Lubrication	grease lubricated	



The machine is specifically designed for machining aluminum structures and stringers in the aerospace industry and is ideal for milling, trimming and drilling applications. The compact thermo-symmetrical box-in-box design ensures a minimal footprint and therefore space-saving integration into production environments.

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