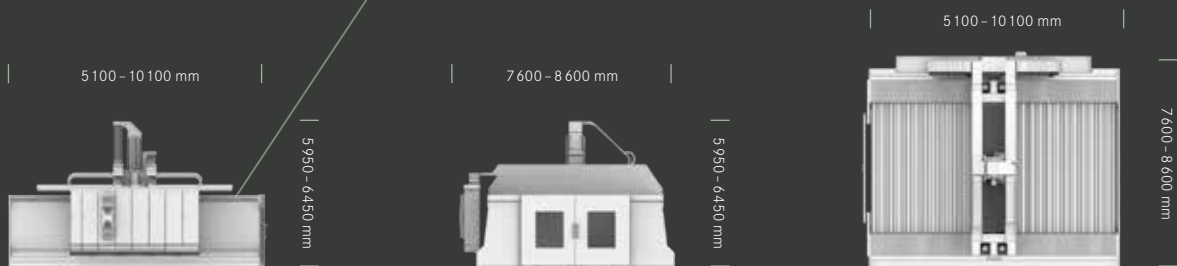
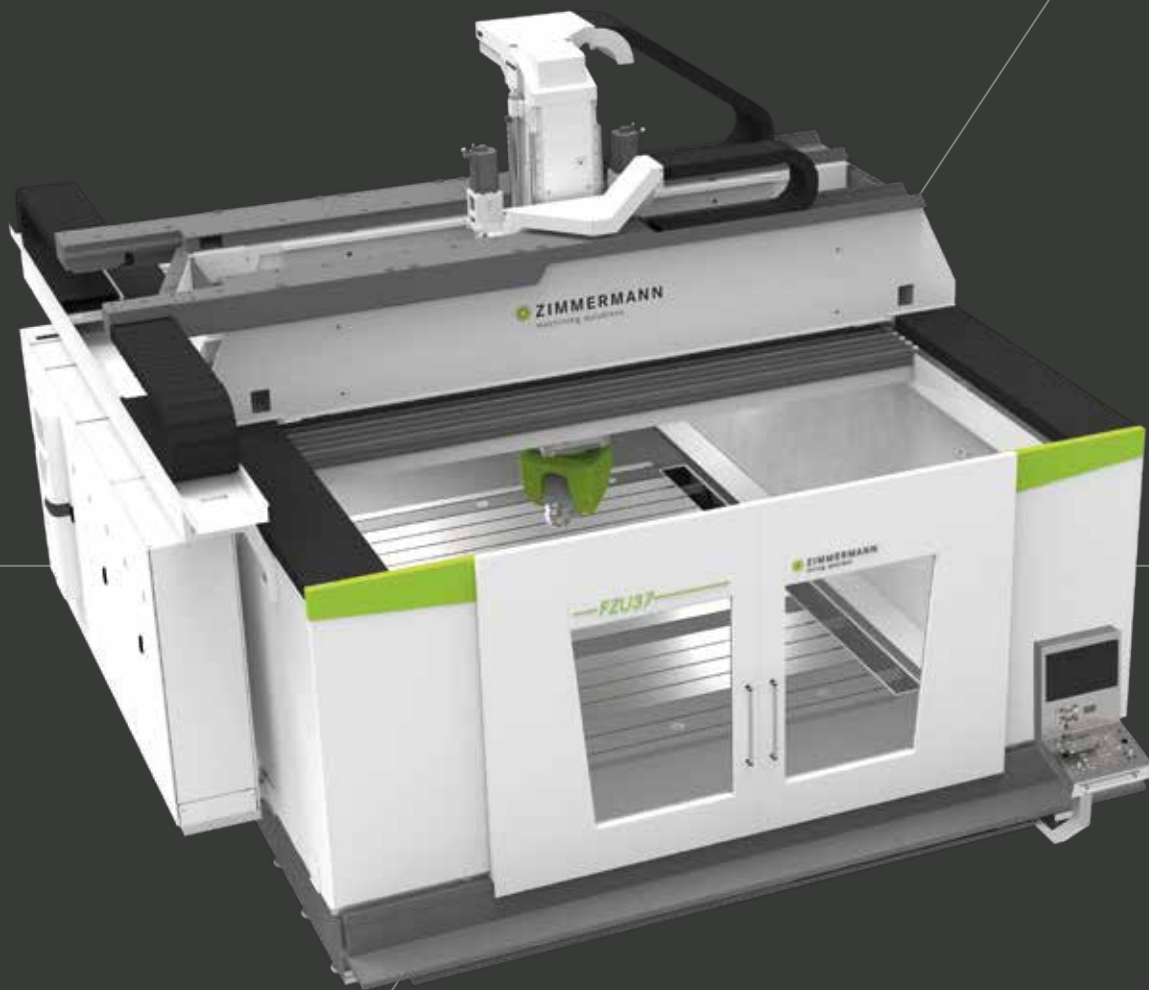


FZU37

➤ FZU-LINE
Unibody Gantry Machine



➤ Technical Data

FZU37		
Working Ranges*		
X-axis		2 500 – 6 000 mm
Y-axis		3 000/3 500/4 000 mm
Z-axis		1 250/1 500 mm
Table Size		
Length		2 500 – 6 000 mm
Width		3 000 – 4 000 mm
Table load		8 000 kg/m ² (max. 35 t)
T-Slots (longitudinal)		18 ^{H12} (opt. 18 ^{H8})
Pitch of T-slots		250 mm
Drives – Linear Axes		
Feed rate	X-, Y-, Z-axis	up to 60 m/min
Acceleration	X-, Y-, Z-axis	up to 5 m/s ²
Dimensions		
Required space (without peripherals)	Length	5 100 – 10 100 mm
	Width	7 600 – 8 600 mm
	Height	5 950 – 6 450 mm
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)		
<ul style="list-style-type: none"> ▣ Tool probe ▣ Tool measuring system ▣ Work area cover ▣ Tool changer ▣ Chip conveyor ▣ Mist/dust extraction system ▣ Lubricant cooling ▣ Minimum quantity lubrication ▣ Vacuum system ▣ Dust extraction bell 		

Further equipment on request.

MILLING HEAD VH30		
Performance		
Torque rotary axes	in control	A-axis: 1 200 Nm C-axis: 1 047 Nm (opt. 1 279 Nm)
	clamped	A-, C-axis: 3 000 Nm
Swivelling Range		
A-axis		±110° or +125°/-95°
C-axis		300° at Z = 1 250 mm 360° at Z = 1 500 mm
Drives – Rotary Axes		
Feed rate	A-, C-axis	360°/s
Acceleration	A-, C-axis	700°/s ²
Resolution	A-, C-axis	0,0001°
Accuracy		
Positioning accuracy	A-, C-axis	10"
Repeatability	A-, C-axis	6"
VH30 Milling Spindle – 74 kW**		
Spindle power	S1 (100%)	74 kW
	S6 (40%/2 min)	78 kW
Spindle speed		30 000 rpm
Torque	S1 (100%)	73 Nm
	S6 (40%/2 min)	92 Nm
Constant power		9 690 – 30 000 rpm
Tool holder		HSK-A63/80
VH30 Milling Spindle (Fischer) – 125 kW**		
Spindle Power	S1 (100%)	125 kW
	S6 (40%/2 min)	156 kW
Spindle Speed		30 000 rpm
Torque	S1 (100%)	60 Nm
	S6 (40%/2 min)	75 Nm
Constant Power		20 000 – 30 000 U/min
Tool holder		HSK-A63/80

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