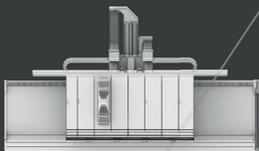


# FZU37

➤ COMPACT

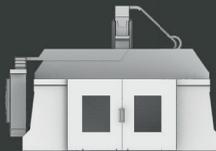


201" - 398" (5.1 - 10.1 m)



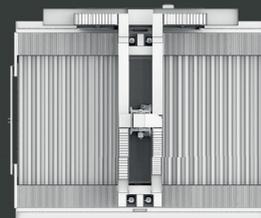
234" - 264" (5.95 - 6.45 m)

299" - 339" (7.6 - 8.6 m)



234" - 264" (5.95 - 6.45 m)

201" - 398" (5.1 - 10.1 m)



299" - 339" (7.6 - 8.6 m)

## ➤ Technical Data

FZU37		
<b>Working Ranges*</b>		
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)	
<b>Table Size</b>		
Length	98" - 236" (2.5 - 6 m)	
Width	118" - 157" (3 - 4 m)	
Table load	8000 kg/m <sup>2</sup> (max. 35 t)	
T-Slots (longitudinal)	18 <sup>H12</sup> (opt. 18 <sup>H8</sup> )	
Pitch of T-slots	10" (0.25 m)	
<b>Drives - Linear Axes</b>		
Feed rate	X-, Y-, Z-axis	up to 2362 ipm (60 m/min)
Acceleration	X-, Y-, Z-axis	up to 197 in/s <sup>2</sup> (5 m/s <sup>2</sup> )
<b>Dimensions</b>		
Required space (without peripherals)	Length	201" - 398" (5.1 - 10.1 m)
	Width	299" - 339" (7.6 - 8.6 m)
	Height	234" - 254" (5.95 - 6.45 m)
<b>Accuracy</b>		
Standard accuracy	in accordance to VDI/DGQ 3441 or ISO 230-2	
Special accuracy	on request	
<b>CNC control</b>		
select from	Heidenhain TNC 7 Siemens SINUMERIK ONE	
<b>Equipment (optional)</b>		
■ 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		
<b>Performance</b>		
Torque rotary axes	in control	A-axis: 885 ft lb (1,200 Nm) C-axis: 772 ft lb (1,047 Nm) (opt. 943 ft lb (1,279 Nm))
	clamped	A-, C-axis: 3 000 Nm
<b>Swivelling Range</b>		
A-axis	±110° or +125°/-95°	
C-axis	300° at Z = 49" (1.25 m)	
	360° at Z = 59" (1.5 m)	
<b>Drives - Rotary Axes</b>		
Rate of feed	A-, C-axis	360°/s
Acceleration	A-, C-axis	700°/s <sup>2</sup>
Resolution	A-, C-axis	0,0001°
<b>Accuracy</b>		
Positioning accuracy	A-, C-axis	10"
Repeatability	A-, C-axis	6"
<b>VH30 Milling Spindle - 74 kW**</b>		
Spindle power	S1 (100%)	99hp (74 kW)
	S6 (40%/2 min)	105 hp (78 kW)
Spindle speed	30 000 rpm	
Torque	S1 (100%)	54 ft lb (73 Nm)
	S6 (40%/2 min)	68 ft lb (92 Nm)
Constant power	9 690 - 30 000 rpm	
Tool holder	HSK-A63/80	
<b>VH30 Milling Spindle (Fischer) - 125 kW**</b>		
Spindle Power	S1 (100%)	168 hp (125 kW)
	S6 (40%/2 min)	210 hp (156 kW)
Spindle Speed	30 000 rpm	
Torque	S1 (100%)	44 ft lb (60 Nm)
	S6 (40%/2 min)	55 ft lb (75 Nm)
Constant Power	20 000 - 30 000 U/min	
Tool holder	HSK-A63/80	

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