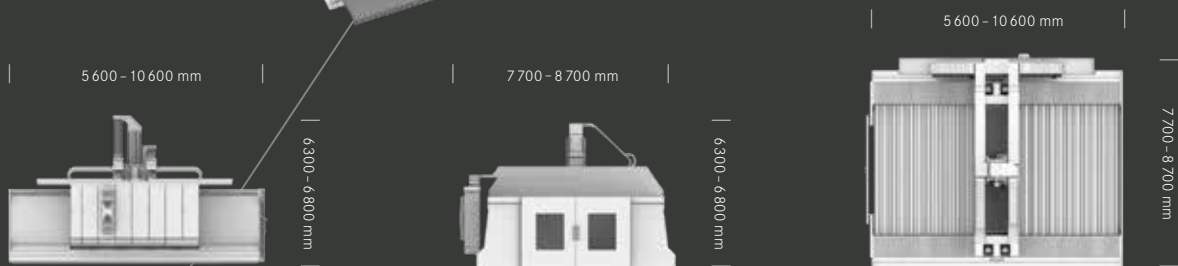


FZU42

➤ FZU-LINE
Unibody Gantry Machine



➤ Technical Data

FZU42		
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 3 m/s ²
Dimensions		
Required space (without peripherals)	Length	5 600 – 10 600 mm
	Width	7 700 – 8 700 mm
	Height	6 300 – 6 800 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 		

Further equipment on request.

MILLING HEAD VH60		
Performance		
Torque rotary axes	in control	A-, C-axis: 3 000 Nm
	clamped	A-axis: 5 600 Nm C-axis: 6 000 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
Resolution	A-, C-axis	0,0001°
Accuracy		
Positioning	A-, C-axis	10"
Repeatability	A-, C-axis	6"
Milling Spindle – 63 kW**		
Spindle power	S1 (100%)	63 kW
	S6 (40%/2 min)	82 kW
Spindle speed		15 000 rpm
Torque	S1 (100%)	300 Nm
	S6 (40%/2 min)	392 Nm
Constant power	S1 (100%)	2 000 – 15 000 rpm
Tool holder		HSK-A100
Milling Spindle – 93 kW**		
Spindle power	S1 (100%)	93 kW
	S6 (40%/2 min)	103 kW
Spindle speed		8 000 rpm
Torque	S1 (100%)	444 Nm
	S6 (40%/2 min)	553 Nm
Constant power	S1 (100%)	2 000 – 8 000 rpm
Tool holder		HSK-A100
MuST® Spindle Changing System		
Roughing Spindle 1 – 44 kW		
Spindle power	S1 (100%)	44 kW
	S6 (40%/2 min)	42 kW
Spindle speed		10 000 rpm
Torque	S1 (100%)	200 Nm
	S6 (40%/2 min)	230 Nm
Tool holder		HSK-A100
Roughing Spindle 2 – 45 kW		
Spindle power	S1 (100%)	45 kW
	S6 (40%/2 min)	60 kW
Spindle speed		5 000 rpm
Torque	S1 (100%)	344 Nm
	S6 (40%/2 min)	454 Nm
Tool holder		HSK-A100
Universal Spindle – 50 kW		
Spindle power	S1 (100%)	50 kW
	S6 (40%/2 min)	58 kW
Spindle speed		24 000 rpm
Torque	S1 (100%)	95 Nm
	S6 (40%/2 min)	117 Nm
Tool holder		HSK-A63

F. Zimmermann GmbH
Bernhäuser Straße 35
73765 Neuhausen a.d.F.

T +49 715 894 895 5-0
E info@f-zimmermann.com
W f-zimmermann.com

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