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Planer Type Machining Center - 5 Axis



Stock number	**7-47272**
Make	**ZIMMERMANN**
Model	**FZ33c**
Control	**CNC controls HEIDENHAIN iTNC 530**
Year of construction	**2014**

basic design

basic design	gantry type	

Working Range -milling-

x-axis travel	2500	mm
X-axis single table	3000	mm
z-axis travel	1250	mm
Rotation range A-axis +	110	°
Rotation range A-axis -	110	°
rotation range C-axis +-	360	°
Number of controlled axes	5	

Floor Plate

clamping surface (left-right)	3250	mm
clamping surface (front-back)	2500	mm

working spindle / head

spindle type	Fork head	
spindle revolutions (max)	22000	/min
taper fixture	HSK A63	
drive power (max)	60	kW
torque (max.)	95	Nm

Tool magazine

number of positions	50	

Electrical specifications

mains power supply	190	kVA
mains voltage	400	V
mains frequency	50	Hz

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attachments

coolant unit	yes
closed cabin	yes
chip conveyor	yes

Technical description

5-axis gantry milling machine with VH30 milling head featuring A-axis and C-axis (A-axis ±110°, C-axis 360°), suitable for simultaneous 5-axis machining.

Equipped with a high-frequency spindle with HSK 63A tool interface, max. speed 22,000 rpm, power output 60 kW (constant from approx. 6,000 rpm) and max. torque approx. 95 Nm.

Automatic tool changer by KTC Handlingstechnik, type: ATC /HSK-A63 (50 positions) with carousel magazine.

(1x) KÜMA coolant/filter system type KF1/515WB,
(1x) KÜMA filter unit type BF Gr.3,
(1x) KÜMA pump unit type FA10/03,
(1x) H.I.B Systemtechnik industrial chiller type RKH/W-14300 (R134a),
(1x) LTA Industrial Air Cleaning oil mist extraction system type AC 2000 H solid particle filter.

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