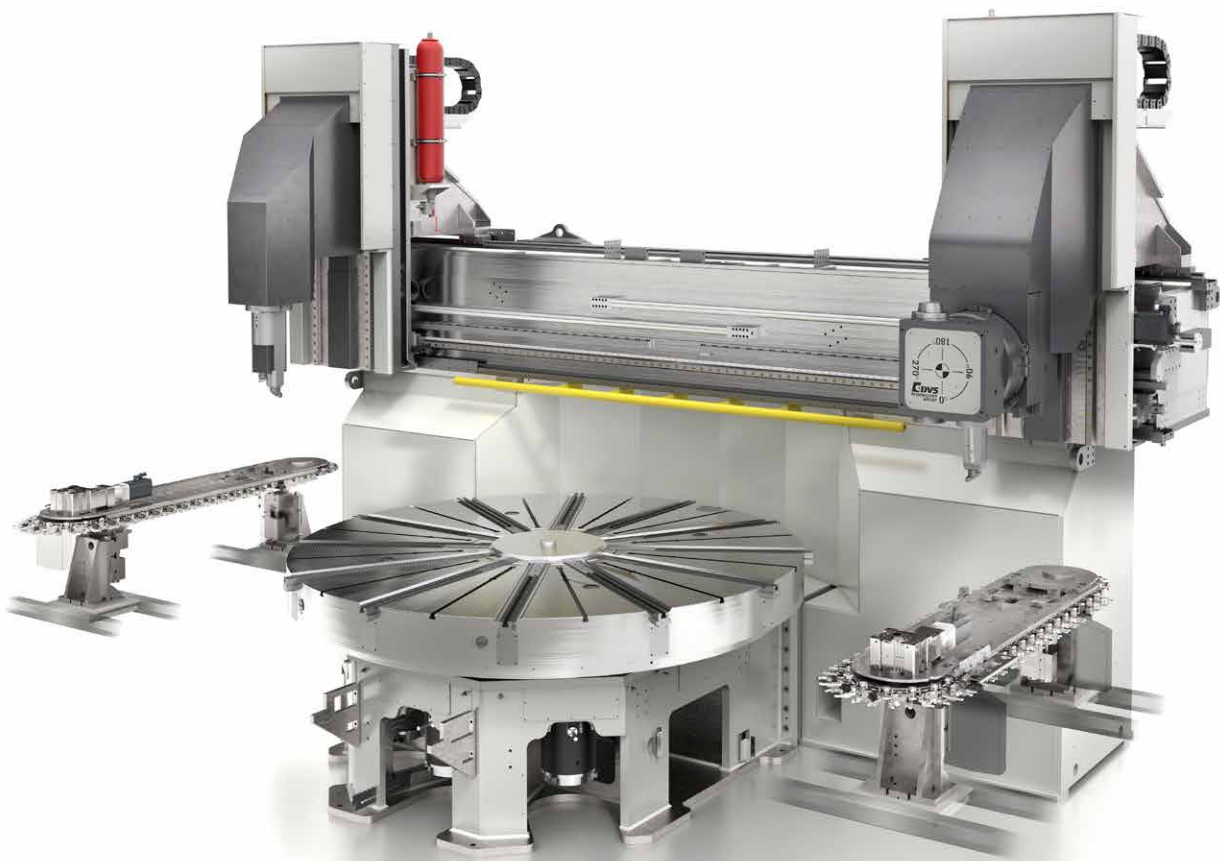


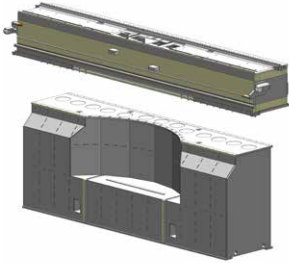


PV4000

A rigid machine structure, modular tool carriers and powerful headstocks: the best genes for efficient and highly accurate machining.

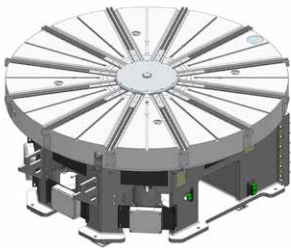


Highlights



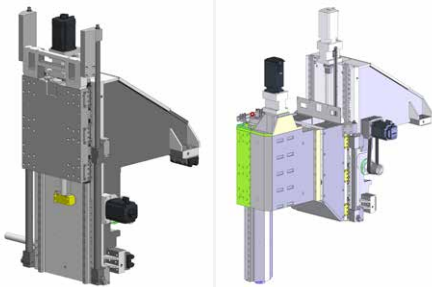
Rigid machine bed

The sturdy machine bed ensures low-vibration machining even for workpieces with large dimensions. The continuous support of the guide beam ensures maximum rigidity and accuracy.



High performance headstocks with Multi-Drive Technology

Power scalable by the number of motors.



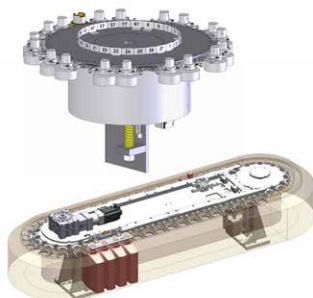
Slide units for every task

With different axis arrangement allow an optimal optimal adaptation to the machining task.



Flexible tool carriers for a wide range of machining scenarios

A wide range of machining options through the use of several, even different tool carrier systems.



Automatic tool change

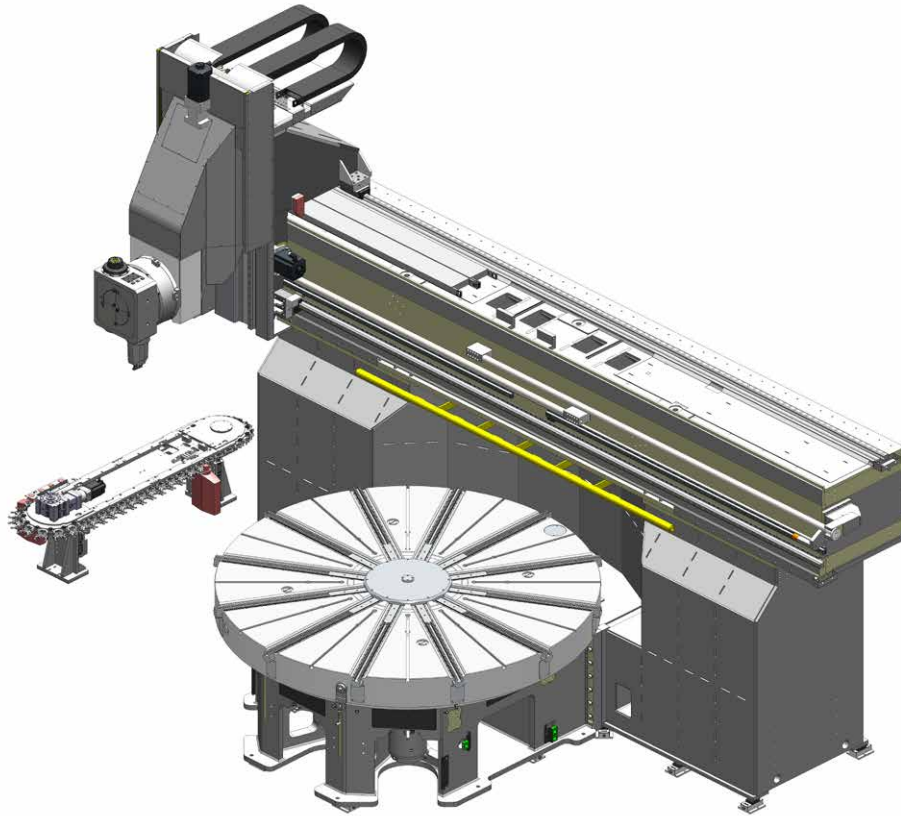
increases flexibility and reduces non-productive time.

Workpiece examples

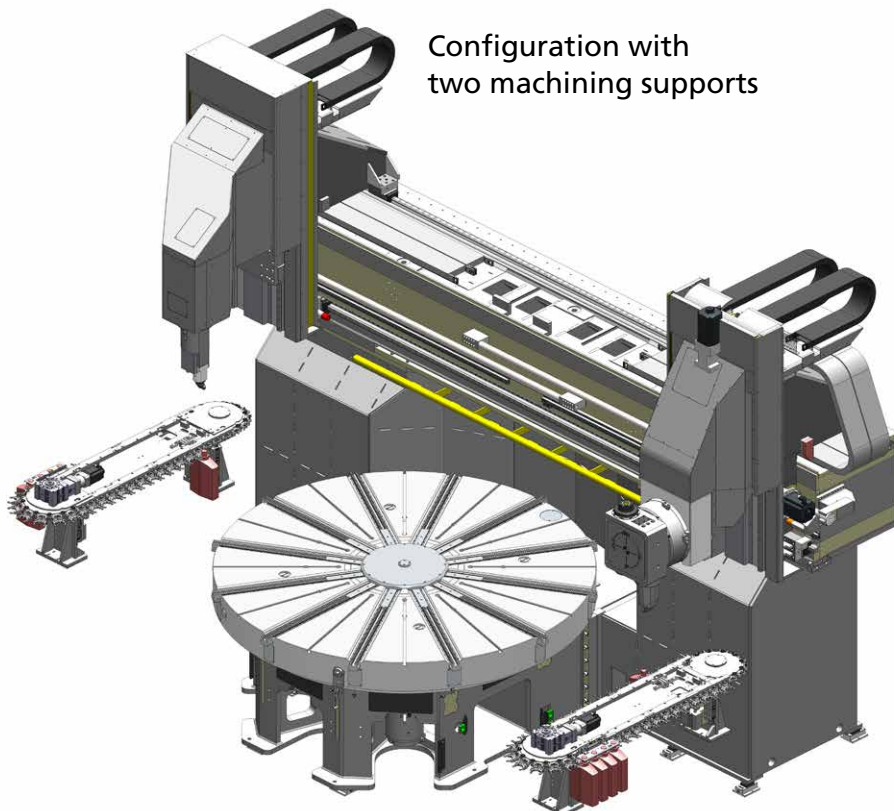


Technical specifications

Configuration with an editing support



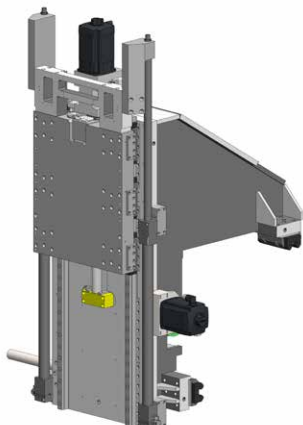
Configuration with
two machining supports



Technical specifications

Machine dimensions (with 1 / 2 supports)			
Length without chip conveyor	[mm]	9600	
Length with chip conveyor	[mm]	11800	
Height (without / with RAM)	[mm]	5700 / 6500	
Depth	[mm]	6000	
Weight	[to]	150 - 250	
Max. Workpiece dimensions			
Max. Table / chuck diameter	[mm]	3800	
Max. workpiece Workpiece diameter	[mm]	3800	
Max. Flight circle	[mm]	4000	
Distance table top to tool holder	[mm]	800 - 1200	
Max. Workpiece height	[mm]	600 - 1000	
Headstock ZV61-050 (i=24)			
Bearing OD	[mm]	1000	
Cont. / max. speed	[1/min]	50 / 100	
Single main drive (1147-8WN11)			
S1 / S6-40% Torque	[kNm]	24 / 30	
S1 / S6-40% Power	[kW]	93 / 105	
Double main drive (1147-8WN11)		Double values	OP
Triple main drive (1147-8WN11)		Triple values	OP

Technical specifications



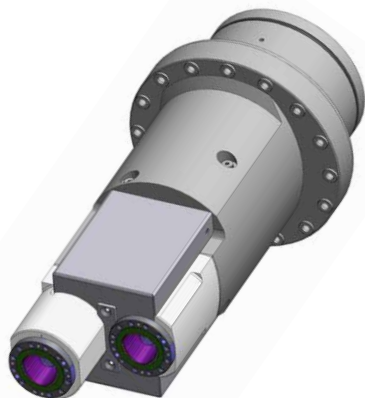
1 or 2 XZ-Supporte

X Axis travel	[mm]	4300 / 2850
Feed rate	[m/min.]	24
Continuous / max. feed force	[kN]	20 / 30
Z Axis travel	[mm]	1000
Feed rate	[m/min.]	24
Continuous / max. feed force	[kN]	20 / 30



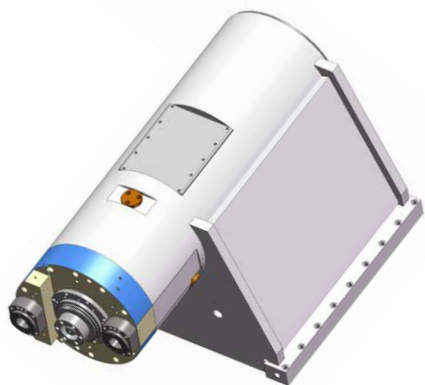
1 or 2 XZ supports with RAM

X Axis travel	[mm]	4300 / 2850
Feed rate	[m/min.]	24
Continuous / max. feed force	[kN]	20 / 30
Z Axis travel	[mm]	1000
Feed rate	[m/min.]	24
Continuous / max. feed force	[kN]	20 / 30
Z RAM Axis travel	[mm]	800
Feed rate	[m/min.]	20
Continuous / max. feed force	[kN]	20 / 30



Machining heads / tool holders

Single or double fixed tool holders
C8 / C10 / HSK100 (ZX23-043)



Tertiary head ZX23-015

2 fixed tool holders C10 / C8

Milling spindle ZX05-085 (202F-0120-F) HSK100/C10/C8, lubrication	[1/min]	4500
Inner diameter of the front bearing	[mm]	120
Continuous / max. torque	[Nm]	180 / 400
Continuous / max. power	[kW]	44 / 44

Technical specifications

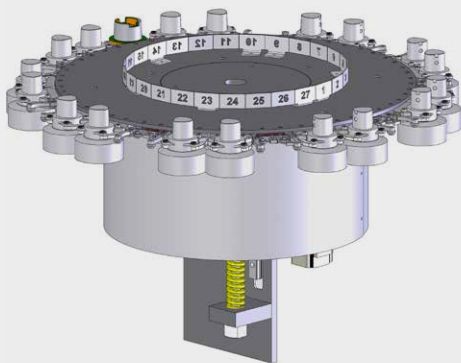


Milling/drilling head for flexible machining

MFK 62 (ZV23-130)

Fixed tool holder C10 / C8 opposite the milling spindle

Milling spindle ZZ05-089 (202B-0150-F)	[1/min]	4500	
HSK100/C10/C8			
Front bearing ID	[mm]	120	
Continuous / max. torque	[Nm]	136 / 210	
Continuous / max. power	[kW]	24 / 32	
Clamping torque for turning / MultiTool operation	[Nm]	900	OP
B-axis (MST530C)	[1/min]	100	
Continuous / max. torque	[Nm]	1200 / 2700	
Clamping torque @ 80 bar	[Nm]	7000	



Tool changer

C8 Tool disc magazine

Number of tools C8	[-]	27 / 40 / 64
Max. tool diameter with / without neighbouring tools	[mm]	120 / 240
Max. tool length	[mm]	400
Max. tool weight	[kg]	20

C8 Tool chain magazine

Number of tools C8 (125 mm chain pitch)	[-]	85
max. tool diameter with / without adjacent tools	[mm]	120 / 200
max. tool length	[mm]	400
max. tool weight	[kg]	30

C10 / HSK100 Tool disc magazine

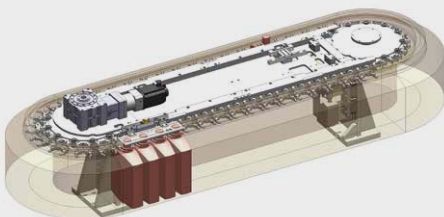
Number of tools C10 / HSK100	[-]	16 / 24 / 32 / 40
max. tool diameter w./o. neighbouring tools	[mm]	160 / 260
max. tool length	[mm]	600
max. tool weight	[kg]	20

C10 / HSK100 / HSK125B Tool chain magazine

Number of tools C10 / C8X / HSK100 (170 mm chain pitch)	[-]	41 / 59
Max. tool diameter with / without neighbouring tools	[mm]	160 / 260
max. tool length	[mm]	600
max. tool weight	[kg]	30

Power consumption

Connected load	[kVA]	200 - 280
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Contact us:



Pittler T & S GmbH
Johannes-Gutenberg-Straße 1
63128 Dietzenbach
Germany

Tel. +49 (0) 6074 4873-0
Fax +49 (0) 6074 4873-294
info@pittler.de
dvs-technology.com/pittler

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