

SAUTER FEINMECHANIK

The expert for rotating axes.

As a specialist for tool and workpiece carrier systems, we design and produce precise, highly accurate, rotating axes technology installed in machine tools as part of a digital and automated manufacturing process.

Either for milling or turning – whenever you need to machine challenging materials effectively on cutting-edge rotary milling centers, our high-performance motor spindles come into play. Rotating and milling spindles accomplish the task while offering a long service life, high drive output, and absolute resistance to rotary deformation.

As experts for Industry 4.0 applications, we are consistently driving forward digitalisation in machining production. From edge computing to intelligent tool turrets and sophisticated sensor networks – digitalisation offers unparalleled opportunities for efficient machining processes.

SAUTER is the Global leader for tool turrets and tooling machine systems. For over 70 years, Sauter's name has become synonymous with high quality productivity solutions for machining technology, pushing the art and science of German engineering. As a one-stop supplier for tooling machines, SAUTER offers customized system solutions from a single source thanks to our range of tool turrets, B-axes, motor spindles, tooling, automation solutions, and rotary tables.

You can rely on a competent team at SAUTER to respond to your questions. We are happy to help. Contact us!

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sauter-group.com



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Sauter innovation factory: The world turns with us!



Product overview

Motor spindle

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Maximum performance for turning and milling centers

High-performance machining with a maximum torque of up to 450Nm and speeds up to 20,000rpm

Available from size 40 – size 100



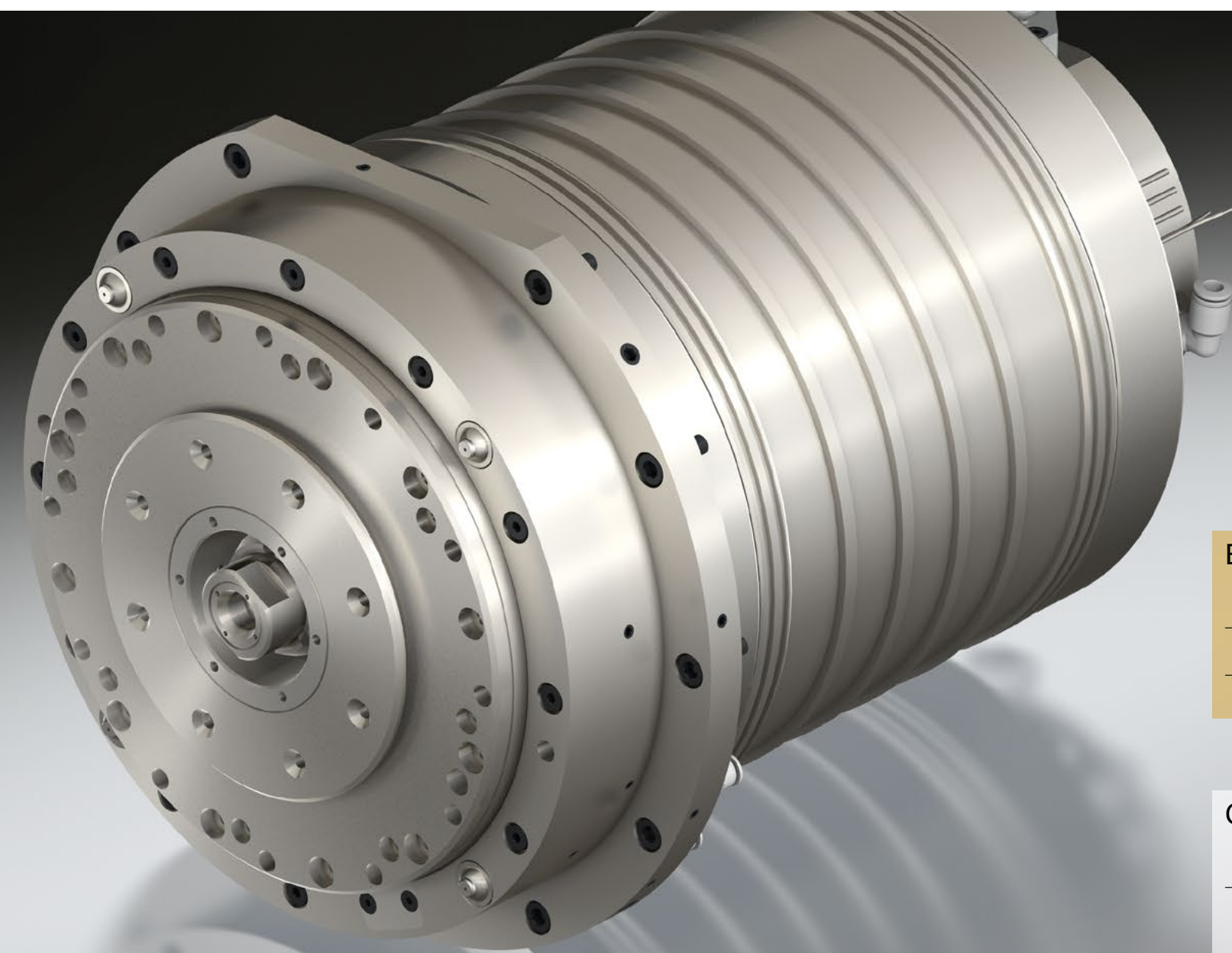
HSK

Sauter Capto®

Special tool

Kennametal, SK,
Customer's geometry

Performance data	HSK40/C4		HSK63/C6		HSK100/C8	
	Speed	Torque	Speed	Torque	Speed	Torque
Max. speed [rpm]	30,000	20,000	20,000	10,000	16,000	10,000
Max. torque [Nm]	6	52	115	165	429	450



Motor spindle with ultra high density meets compact design

Sensor system

- _ Tool / spindle check
- _ Leakage check
- _ Temperature monitoring
- _ Vibration monitoring

Tool interface

Blow off air for cleaning each tool from chips after tool change

Bearing

- _ Lifetime grease lubrication
- _ Oil/air lubrication (for maximum speed)

Clamping unit

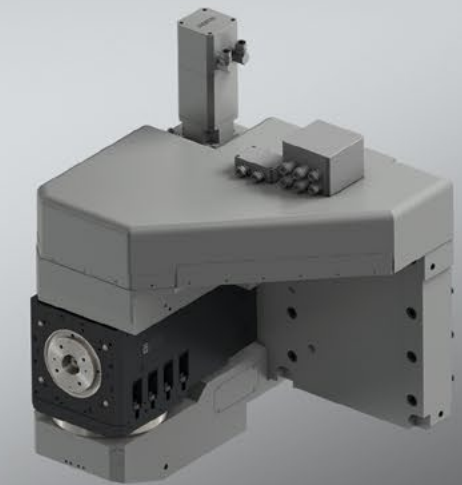
- _ Hirth coupling means unloaded bearings during turning operation
- _ variable clamping position
- _ no clamping



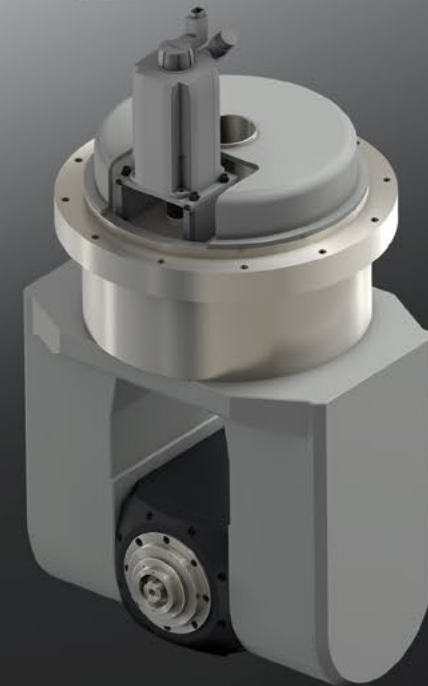
Milling heads



Fork-type head with x-slide



Fork-type head with y-slide



Fork-type head with B-axis



B-axis