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!

sales@sauter-feinmechanik.com

sauter-group.com
Maximum performance for turning and milling centers

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

Available from size 40 – size 100

Performance data

<table>
<thead>
<tr>
<th>HSK40 / C4</th>
<th>HSK63 / C6</th>
<th>HSK100 / C8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. speed</td>
<td>30,000</td>
<td>20,000</td>
</tr>
<tr>
<td>Max. torque</td>
<td>6</td>
<td>52</td>
</tr>
</tbody>
</table>

Milling heads

- Fork-type head with x-slide
- Fork-type head with y-slide
- Fork-type head with B-axis

Bearing

- Lifetime grease lubrication
- Other lubrication (for maximum speed)

Clamping unit

- Hirth coupling means unloaded bearings during turning, operation
- Variable clamping position
- No clamping

Motor spindle with ultra high density meets compact design

Sensor system

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

Special tool

Kennametal, SK, Customer's geometry

Tool interface

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

HSK

Sauter Capto®