

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.

SAUTER tool turrets are unsurpassed in the Global market and the number one choice based on proven reliability, high productivity levels, and cost effectiveness. Either for driven tools, static tool holders or quick-changing systems – SAUTER tooling has been fully geared towards being the best in class backed up by performance data. As a result, we create maximum output at the tool edge that helps our customer's improve productivity.

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



SAUTER FEINMECHANIK GmbH
Carl-Zeiss-Str. 7, 72555 Metzingen, Germany
Phone +49 7123 926-0
info@sauter-feinmechanik.com

SAUTER ASIA Co. Ltd.
No. 368, Sec 4, Huanzhong Rd.
Nantun District, Taichung 408, Taiwan
Phone +886-4-23805836
info@sauter-asia.com

SAUTER NORTH AMERICA Inc.
1116 Centre Rd., Auburn Hills, MI 48326, USA
Phone +1-734-207-0900
sales@sauter-group.us

Sauter innovation factory: The world turns with us!



Product overview

Tool turrets and tooling

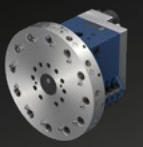
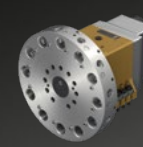
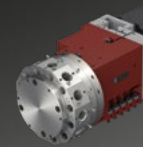
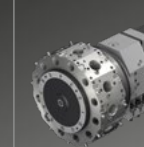
Sauter innovation factory: The world turns with us!

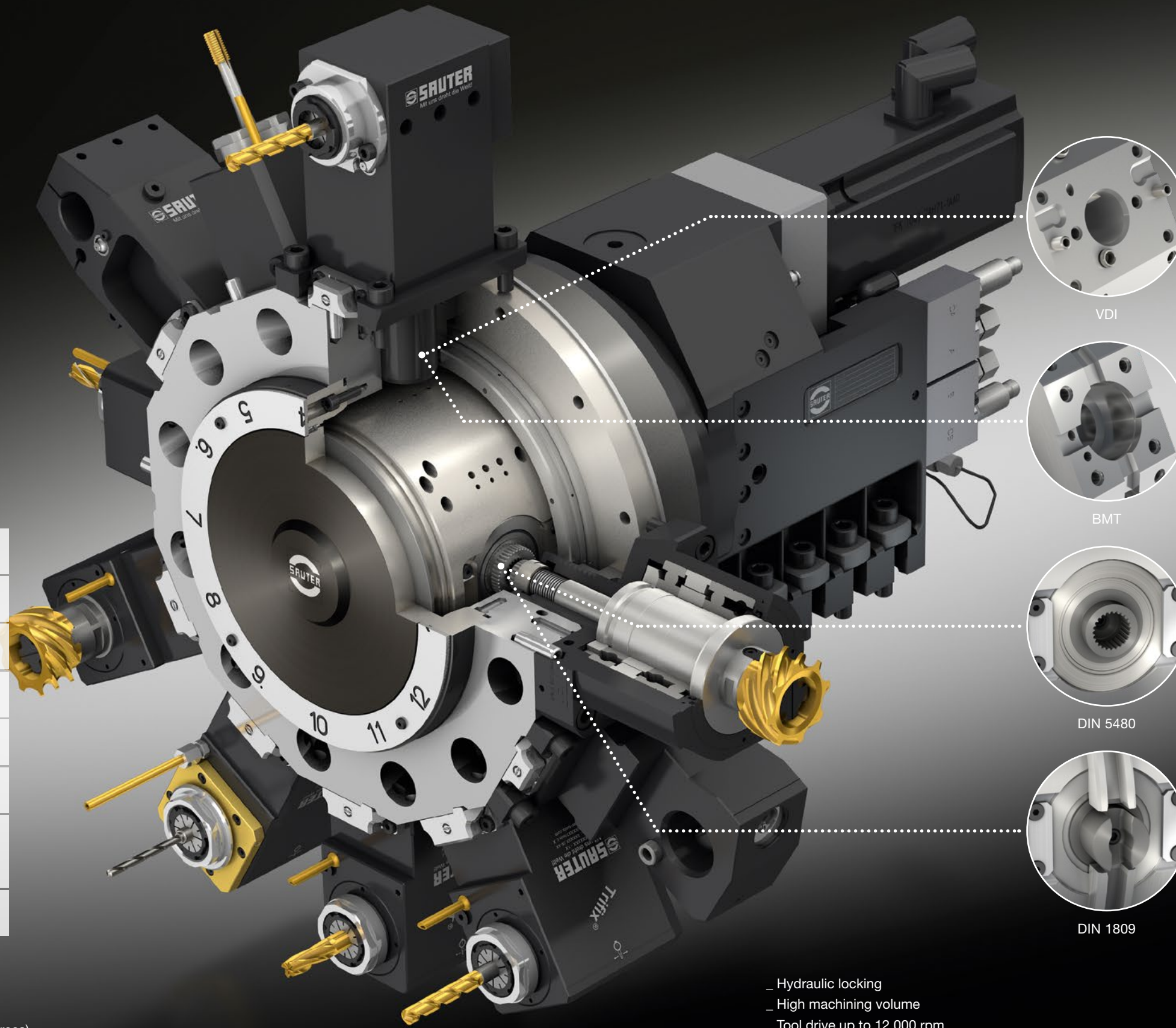
sauter-group.com

Efficient, cost-effective, digital.

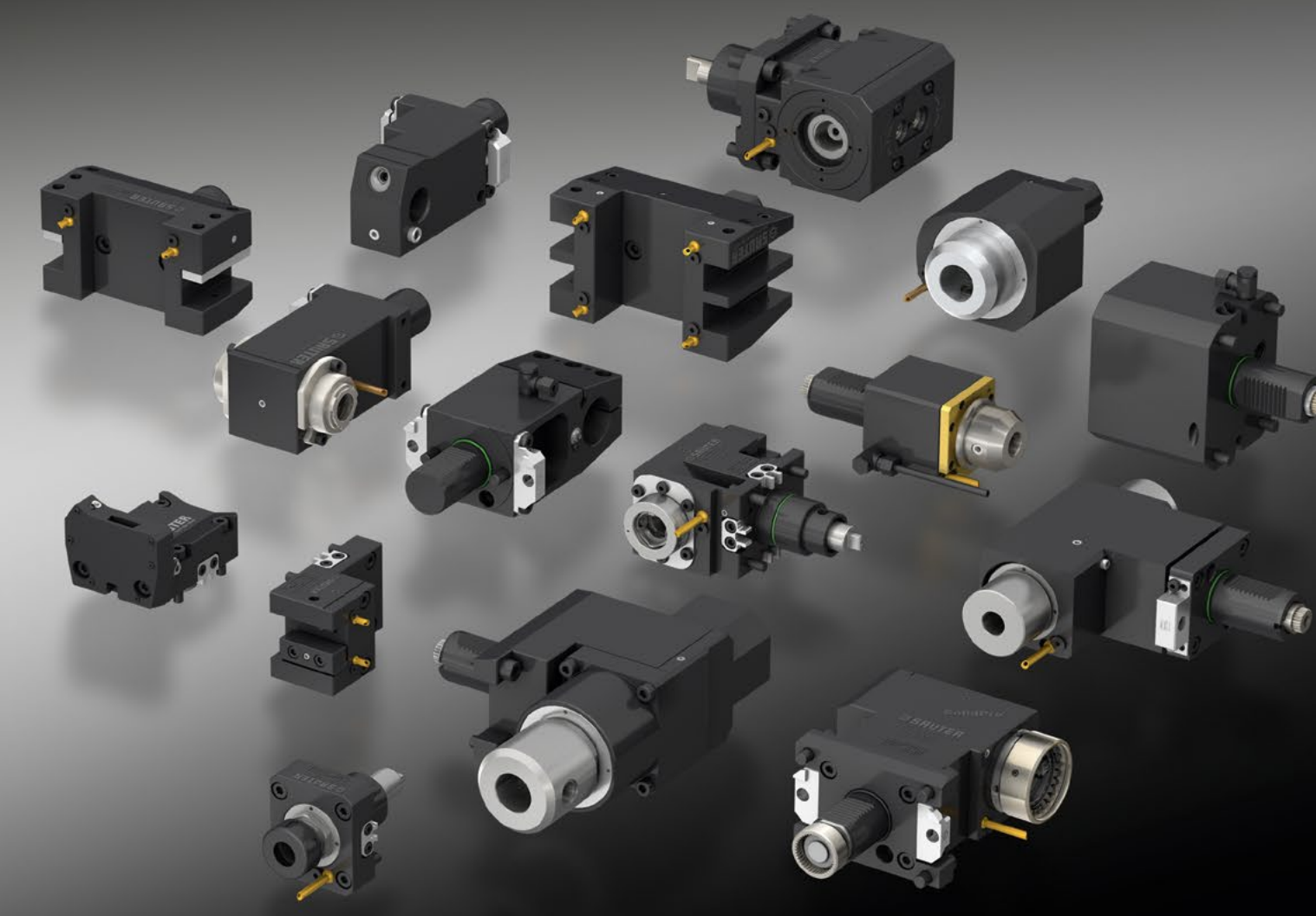
Direct-Drive
High-performance turret

Overview of disc-type turrets

Application	Mid-level series production Blue Line	Large-scale series production Orange Line	Large-scale series production Red Line	Large-scale series production Direct-Drive
				
Service life				
Crash resistance				
Turret drive	Asynchronous motor	AC servomotor	AC servomotor	AC servomotor
Locking system	Electro-mechanical	Hydraulic	Hydraulic	Hydraulic
Indexing speed				
Suitability for back turning				
Tool drive	Axial AC servomotor 2-motor technology	Axial/radial AC servomotor 2-motor technology	Axial/radial No additional motor, 1-motor technology	Radial Direct-Drive Motor technology
Costs				



Tooling



Driven tools and tool holders

SAUTER tool turrets are the best way to guarantee fast and accurate production. If SAUTER has supplied the tooling equipment, you have made the right choice.

We know our tooling turrets like no-one else and also develop ideally adapted, driven tools and static tool holders in parallel.

An advantage you as users can benefit from. Opt for sophisticated technology meeting the most stringent quality standards – for perfection from a single source.



Collet Sauter Capto® SolidPro® Modifix®



DIN 5480 DIN 5480 + Torque DIN 1809



VDI DIN ISO 10889 BMT Speedfix® BMT

- _ High levels of precision thanks to a repeatability of +/- 0.0008 mm across a radius of 100 mm (corresponds to +/- 1.6")
- _ Shortest distances as the direction of rotation is bidirectional (maximum swiveling angle: 180 degrees)
- _ Increased levels of functional reliability as the tool disc is not lifted when unlocking
- _ Not sensitive to collisions thanks to low levels of kinetic drive energy and an attachment ring groove (for blue, orange and red) for the tool disc.

- _ Hydraulic locking
- _ High machining volume
- _ Tool drive up to 12,000 rpm
- _ Thermal stability thanks to motor cooling
- _ Runs extremely smoothly
- _ Short and compact, design space reduced by up to 25%