

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.

Precise, rigid, and utilizing direct drive technology – our rotary tables are designed for optimum performance in the most challenging machining applications and are a perfect choice for use in highly productive machining centers.

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 innovation factory: The world turns with us!



Product overview

Rotary table

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Plug-and-play single and multi-axis rotary tables

The new generation of SAUTER rotary tables involves two series, SAUTER RT Torque for high torque and SAUTER RT Speed for high speed.

Performance data	BG12		BG16		BG20		BG25		BG32		BG40	
Internal bearing diameter [mm]	120		150		200		260		325		395	
Table plate diameter [mm]	200	250	250	320	320	400	400	500	500	630	630	800
	Torque	Speed	Torque	Speed	Torque	Speed	Torque	Speed	Torque	Speed	Torque	Speed
Mechanical clamping [Nm]	600	*-*	900	*-*	1,000	*-*	1,500	*-*	2,500	*-*	3,000	*-*
Hydraulic clamping [Nm]	900	600	2,000	1,500	2,500	2,500	3,500	2,500	5,000	5,000	5,000	5,000
Max. torque [Nm] ⁽¹⁾	338	176	451	351	645	301	860	603	1,184	1,048	1,922	1,434
Max. speed [rpm] ⁽¹⁾	300*	tbd ⁽³⁾	300*	tbd ⁽³⁾	250*	1100	250*	900	200*	760	200*	650
Axial runout [mm] ⁽²⁾	0.02 0.01 0.003				0.03 0.015 0.004				0.035 0.02 0.005			
Circular runout [mm] ⁽²⁾	0.02 0.01 0.003											
Indexing accuracy ["]	Depends on measuring system											
⁽¹⁾ P=Constant ⁽²⁾ Standard/accurate/highly accurate ⁽³⁾ In clarification *Depends on the selected rotary distributor and the required pressure												

Carriers with one, two, three, or four B-axes

A-axis or counter bearing

Rotary tables as cartridges

User-friendly design of the SAUTER RT series means you can quickly change cartridges

High clamping torques

Enable rigid and precise workpiece positioning for challenging machining in machining centers – available with hydraulic or mechanical clamping system

Table plates

- _ individual interface
- _ T-slots
- _ Clamping cones with/without rotary distributor
- _ Claw box
- _ Zero-point clamping system
- _ Gripping yoke DIN55201-A

Plug-and-play

Media interfaces can easily be integrated into the tabletop to activate chucks or clamping equipment

A-axis

- _ Motor
- _ Encoder
- _ Rotary distributor
- _ Clamping
- _ Bearings