

BERKOL® Grinding machines

There are various firms offering top roller covers on the one hand and machines to maintain them on the other. But BRÄCKER is the only firm in the world that offers both produced by themselves under the trade name BERKOL®.

Our grinding machines have been specially developed for grinding rubber and differ significantly from other products with regard to their grinding systems and grinding media.

The BERKOL® grinding system (BGS) stands for a new generation of grinding machines that have mastered the art of grinding to perfection. The design is based on a modular structure. The basic machine BGS can be built up with the various module combinations to customer specifications as required. The modules consist of the input and output magazine, the measuring system and the Berkolizing unit.

By regularly grinding your top roller covers you ensure the quality of your yarns, because you are reducing thread breaks, minimizing lap formation and guaranteeing perfect true running. Because of reduced downtime, the result is higher productivity and profitability of your spinning machines.

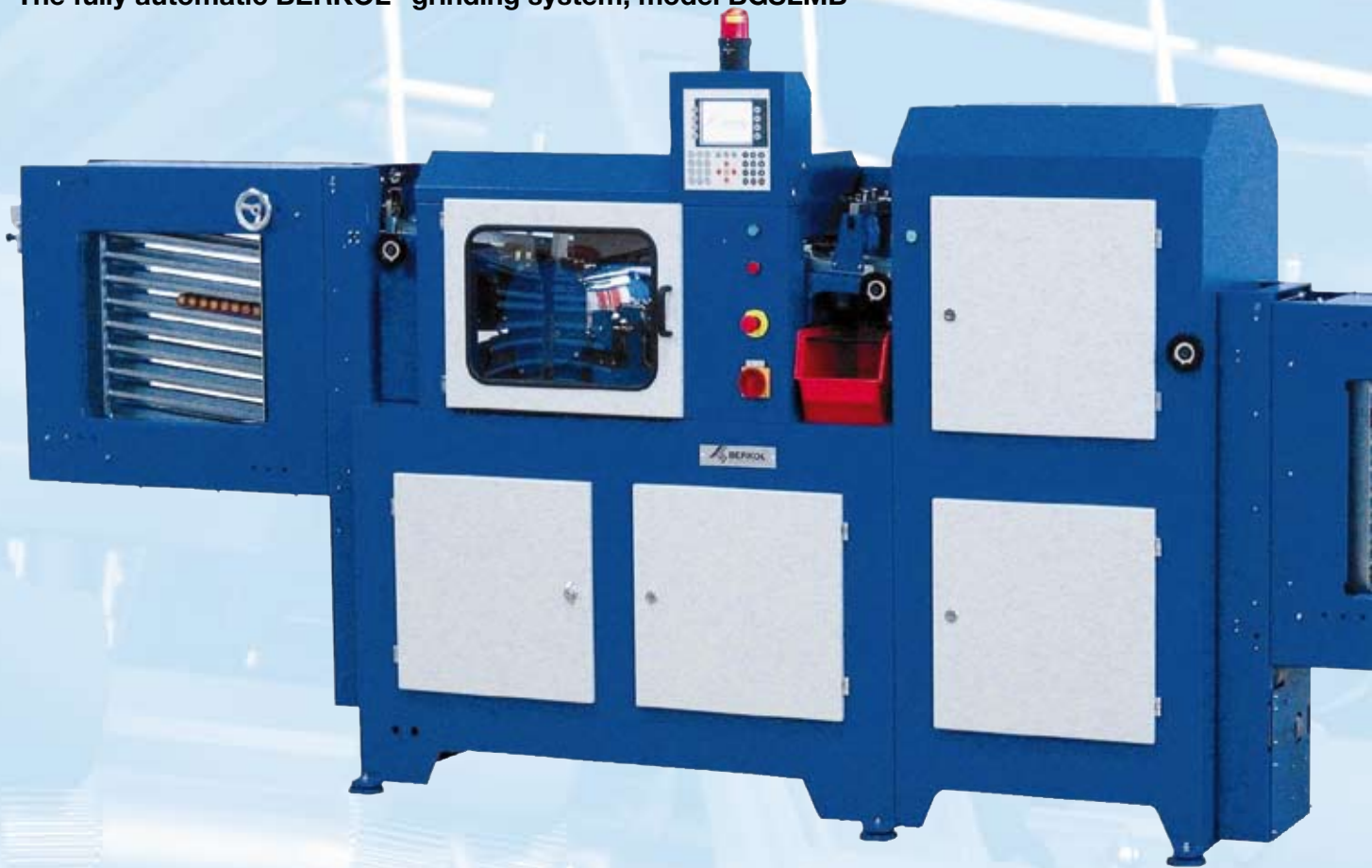


The fully automatic BERKOL® grinding system, model BGSLMB



More than just Rubber

The fully automatic BERKOL® grinding system, model BGSMLB

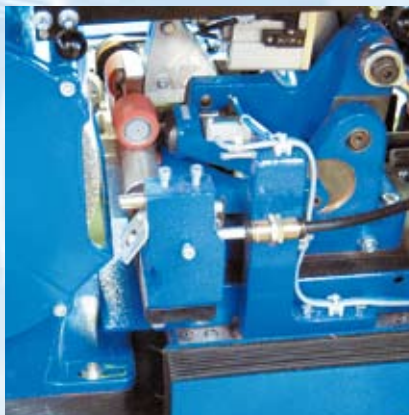


Module L (LARGE)



- Large universal loading and unloading magazines
- Up to 2 hours of operator-free operation (depending on diameter of cover and how full the magazine)
- Loading capacity of up to 320 axles (depending on diameter of cover)

Module M (MEASURING)



- Integrated measuring system
- Makes differential grinding possible
- Sorting function without grinding
- Grinding to size

Module B (BERKOLIZING)



- Interated Berkolizing module

The top roller covers are evenly berkolized directly after grinding with no additional labour costs. The automatic module is electronically controlled and works synchronously with the grinding process.

Berkolizing brings the following advantages:

- Fewer laps
- Less spindle downtime
- Fewer damaged covers
- More economical production

SPS control

- clear LCD display
- User friendly program

A modem connection to the control unit for service inspection by BERKOL® is optionally available.



The balancing device

Only perfectly rotating grinding stones assure a perfect grind on the top roller covers.



The BERKOL® circular grinding machine, Model BG/U

The universal grinding machine BG/U for manual grinding of all top rollers in spinning mills

- Grinding between center and hollow points
- Mandril grinding
- Conical grinding
- Grinding with top roller grinding device for ring spinning and speed frame
- Grinding with special tools
- Testing true running of top rollers
- Suitable grinding tools are available for every requirement



The BERKOL® circular grinding machine, Model BG/U

Top roller cover grinding device

Comparison table BERKOL® Grinding machines

	BGS	BGS models			BG/U
		L	M	B	
Work programmes:					
Automatic	yes	yes	yes	yes	no
Grinding to size	yes	yes	yes	yes	yes
Differential grinding	no	no	yes	no	no
Sorting	no	no	yes	no	no
Dressing	semi automatic	–	–	–	manual
Operator-free operation	up to 1 hour	up to 2 hours	–	–	–
Load capacity	up to 150 axles	up to 320 axles	–	–	–
Grinding accuracy	Rubber surfaces with RA 0.5 and rotary accuracy greater than 0.02 mm				Rubber surfaces with RA 0.5 and rotary accuracy greater than 0.02 mm
Area of application	Ring spinning/Flyer				Ring spinning/Flyer/Preparation cylinder/Special spinning processes
Working range:					
Min. diameter	19 mm		24		
Max. diameter	40 mm				140mm
Max. axle length	190 mm				
Max. single cover length	60 mm				max. grinding length 600 mm
Control	pneumatic/SPS menu-driven				electro-mechanical
Fault diagnosis	Self diagnosis on display				no
Berkolizing	no	no	no	yes	no
Options	Modem connection for service inspection/Balancing apparatus for grinding disc	–	–	–	with or without top roller grinding device
Initial operation/instruction	by BERKOL	–	–	–	by the customer
Tools:					
Standard	Included in the price	–	–	–	Included in the price
Special	Not needed as a rule	–	–	–	wide range
Safety	fully fuse protected in accordance with CE standard				no specific equipment necessary
Grinding disc size	Diameter 200 mm Width 200 mm Speed 2800 rpm				Diameter 225 mm Width 20 mm Speed 2800 rpm
Grinding disc quality	BERKOL special grinding disc				BERKOL special grinding disc
Replacement part service		from store			
Maintenance/Service		extremely low maintenance			
Suction	20 m³/min				10 m³/min
Space required	3.0 x 2.2 m	+ 1.3 x 2.2 m	–	+ 0.8 x 2.2 m	2 x 3 m
Weight	550 kg	+ 240 kg	–	+ 190 kg	495 kg
Compressed air supply	6–10 bar	–	–	–	–
Air consumption	max. 150 l/min	–	–	–	–
Connection power	5.6 kW	–	–	–	5.0 kW
Country of origin		Switzerland			

Bräcker

Bräcker AG

Obermattstrasse 65
8330 Pfäffikon-Zürich
Switzerland
Tel. +41 44 953 14 14
Fax +41 44 953 14 90
sales@bracker.ch
www.bracker.ch

Bräcker SAS

132, rue Clemendeau
68920 Wintzenheim
Tél. +33 3 89 27 00 07
Fax +33 3 89 27 52 30
sales@bracker.fr
www.bracker.fr

Bräcker S.R.L. – Italy

sales@bracker.it

Agencies see
www.bracker.ch



Subject to modification
without prior notice