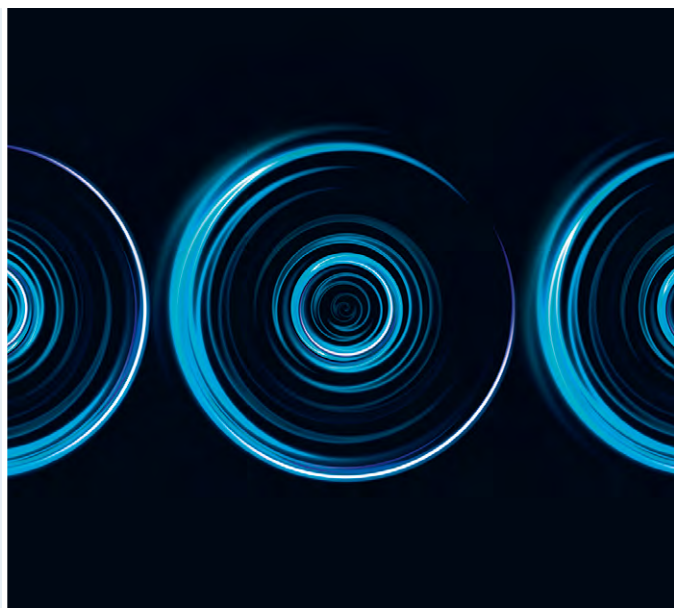


Bräcker



BERKOL[®] multigrinder

Designed for the entire range of top rollers and long cots used in a spinning mill

BERKOL® multigrinder

Machine	MG	MGL	MGLQ
Space required	2.5 x 1.8 m	2.6 x 2.5 m	
Net weight	550 kg	730 kg	
Power	5 kW		
Compressed air / consumption	○	6-10 bar / 150 l/min	
Grinding disc	size	225 mm	
	width	20 mm	
	speed	2800 rpm	
	made	BERKOL®	
Spindle speed	150 - 900 rpm		
Traversing speed	20 - 700 mm/min		
Machine control	PLC/step motor driven/frequency controlled		
Control panel	Touch screen		
Language	Different languages		
Fault diagnosis	Self-diagnosis on display		
Work programs			
Manual grinding	●	●	●
Automatic	○	●	●
Grinding to size	●	●	●
Sorting (Q)	○	○	●
Dressing	Semi-automatic		
Storage magazine for centre guided top rollers	○	●	●
Magazine capacity at ø 32 mm	n/a	≥ 70	
Grinding accuracy	Rubber surface Ra > 0.5µm and rotary accuracy < 0.02 mm		
Operator free operation	n/a	≈ 30 min	
Working range			
Min. ø centre guided top rollers	24 mm*	24 mm	
Max. ø centre guided top rollers	90 mm*	42 mm	
Min. ø long cots	19 mm	○	○
Max. ø long cots	140 mm	○	○
Max. axle length	500 mm	170 mm	
Features			
Integrated dust extractor	10 m³/min		
Balancing device	Integrated		
Standard tools	Included		
Safety	CE standard		
Country of origin	Switzerland		

* with grinding attachment ● yes ○ no

BERKOL® multigrinder – the state of the art grinding system for all and any applications

The entire range of top rollers and long cots used in a spinning mill can be processed on only ONE single machine. Any execution of center guided top roller is ground fully automatically on the BERKOL multigrinder. With this system you achieve a grinding capacity of up to 150 top rollers per hour, while you can leave the BERKOL multigrinder unattended for as long as 30 minutes.

In addition to the automatic grinding of top rollers, with the BERKOL multigrinder you also benefit from the semi-automatic grinding of long cots with up to 490mm axis length. Thanks to these two applications on one and the same grinding machine you can reduce the number of grinding systems required in your mill, or use it as backup for a BERKOL supergrinder.

The BERKOL multigrinder is the state of the art solution for all spinning mills who demand a high quality level for their grinding system and who at the same time want to work as economically as possible.

Fast and flexible

The BERKOL multigrinder can be easily adjusted to a variety of different operating conditions. In a very short time – and without additional tools – it is possible to switch from automatic grinding of top rollers to the semi-automatic grinding of long cots (preparation cots). The grinding parameters for different cots can be saved to be retrieved at any time.

Immediately operational thanks to plug and play

The BERKOL multigrinder is supplied “ready to be operated”. An installation by a Bräcker technician is not necessary. The overall cost of putting the BERKOL multigrinder into operation is thus absolutely minimal.

Efficient operation thanks to optimized ergonomics

The BERKOL multigrinder’s design has been optimized to best suit the average height of its operators and thus allows for a most efficient and ergonomic operation. The safety features correspond to the high requirements of the European CE standard.



BERKOL multigrinder MGL – automatic grinding system



BERKOL multigrinder MG – semi-automatic grinding system

BERKOL® multigrinder – all in one grinder

Minimal space requirement

The dust exhaust system is an integrated part of the BERKOL multigrinder. Therefore no additional exhaust unit is required, which has a positive influence on the overall space requirement of the grinding machine.

The BERKOL multigrinder machine is available in three different executions:

MG – grinding machine for semi-automatic grinding of preparation cots:

- Grinding with top roller attachment for roving-, ring and air jet spinning top rollers
- Grinding on a mandrel for OE nip rollers
- Taper grinding (conical grinding) for special use like detaching rollers for combing machines

MGL – Grinding unit for the semi-automatic grinding of preparation cots and for the automatic grinding of ring/compact spinning and roving top rollers.

MGLQ – additional processing control during the grinding process.

The BERKOL multigrinder system offers further advantages:

- One sided machine operation for easy integration in existing roll shop layout
- Touch screen control panel with easy multilanguage user guidance
- The power consumption of the BERKOL multigrinder has been optimized and is the lowest in the industry

The quality and lifetime of cots only can be ensured if they are maintained properly. Spinning mills benefit from BERKOL's total solution – cots on the one hand and machines to maintain them on the other. Expertise in grinding is guaranteed. Designed and manufactured in Switzerland with proven BERKOL technology for superior grinding results assuring top yarn quality.



In a very short time it is possible to switch from automatic grinding top rollers to the semi automatic grinding of long cots



BERKOL multigrinder efficient operation thanks to optimized ergonomics