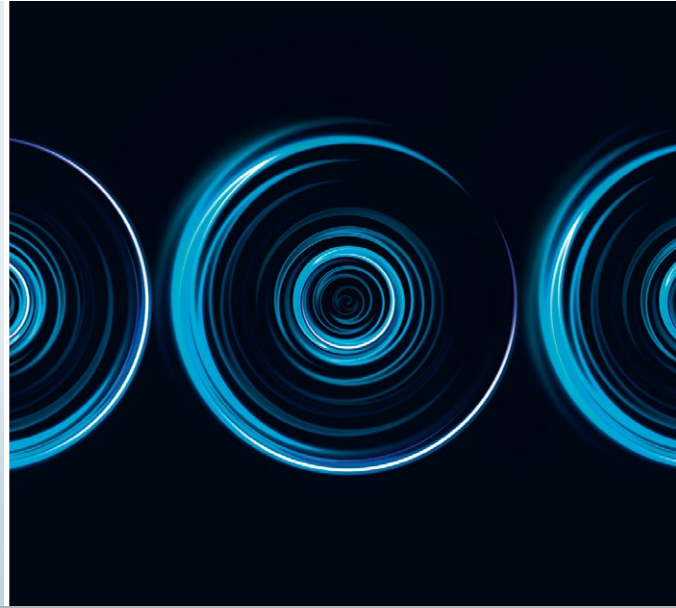


Bräcker



BERKOL[®] multigrinder

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

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.

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.

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.



Designed and manufactured in Switzerland with proven BERKOL technology for superior grinding results assuring top yarn quality.

Power consumption of the multigrinder is the lowest in industry.

BERKOL® multigrinder – all in one grinder

BERKOL multigrinder MGLQ – automatic grinding system

Grinding unit for the semi-automatic grinding of preparation cots and for the automatic grinding of ring/compact spinning and roving top rollers with additional processing control during the grinding process.



BERKOL multigrinder MG – semi-automatic grinding system

Grinding machine for semi-automatic grinding of preparation cots, OE nip rollers (grinding on a mandrel) and taper grinding for special use like detaching rollers for combing machines. Optional grinding with top roller attachment for roving-, ring and air jet spinning top rollers.



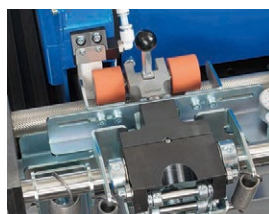
For all kind of top rollers and long cots



Semi-automatic grinding of preparation cots with diameters from 19 – 140 mm and max. length of 500 mm.

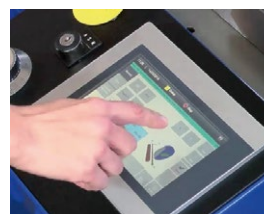


Semi-automatic grinding of air jet and OE rollers.



Optional Semi-automatic grinding of cots with auxiliary grinding device (top rollers, RSM, Rowing)

Intuitive operation



Touchscreen with easy multi language user guidance and teaching mode. Possible to store 50 grinding procedures.

BERKOL® multigrinder

Machine	MGLQ	MG
Space required	2.6 x 2.5 m	2.5 x 1.8 m
Net weight	730 kg	550 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 controled	
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	≥ 70	n/a
Grinding accuracy	Rubber surface Ra > 0.5µm and rotary accuracy < 0.02 mm	
Operator free operation	≈ 30 min	n/a
Working range		
Min. ø centre guided top rollers	24 mm	24 mm*
Max. ø centre guided top rollers	42 mm (90 mm*)	90 mm*
Max. length centre guided top rollers	170 mm	
Min. ø long cots	19 mm	
Max. ø long cots	140 mm	
Max. length long cots	500 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