

Bräcker



BERKOL[®] BERKOLIZING

A small investment with very high benefits

BERKOL® BERKOLIZING machine A small investment with very high benefits

BERKOL®, the only manufacturer of cots and roll shop machines, introduced the berkolizing process many years ago. The meanwhile accumulated know how is incorporated in the latest “Berkolizer 06”, offering even more advantages for the spinning mills.

Advantages for the spinning mills

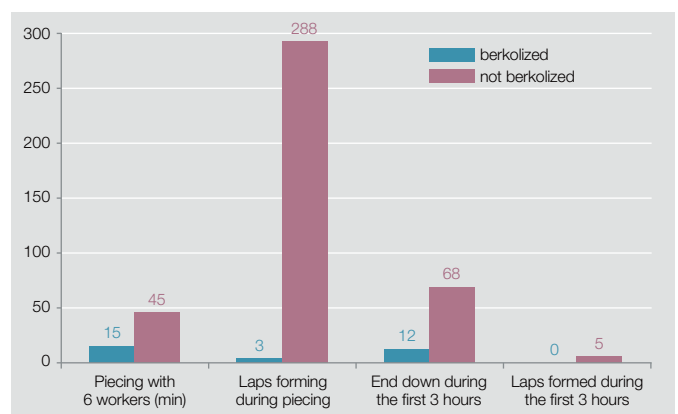
- Simultaneous berkolizing and loading of top rollers, thanks to a revolving drawer, increases the efficiency in the roll shop
- Especially developed 1'000 Watt UV lamp and reflectors guarantee short exposure of cots due to highly concentrated and even radiation intensity
- Long life and efficiency of UV lamp is strongly enhanced due to the un-interrupted “running” of the Berkolizer 06, and thanks to minimal heat build-up properties of the UV lamp
- Lower energy consumption and low maintenance costs reduce operating costs considerably
- Compact and user friendly design
- Environment friendly and proven process to improve the performance of any cots

How does berkolizing work?

Berkolizing is very simple, quick, reproducible, economical and environment friendly. Radiating the surface of the freshly buffed rubber cots with specially developed UV light alters its structure. As a result the rubber surface is less aggressive to the fibers. This considerably reduces the tendency to form laps when running-in freshly buffed cots and as proven in mills around the world, reduces the loss of fibers during spinning to an extent, to which the initial investment in an “original” berkolizing machine is quickly recovered. Each fiber and blend presents specific spinning requirements that vary depending on the characteristics of each drafting and spinning system. In many spinning applications today, berkolizing top rollers has become a prerequisite for efficient and high quality yarn production. By berkolizing top rollers, spinning mills achieve:

- Reduction of start-up problems after buffing the cots
- Reduction of work during start-up period
- Minimal lap formation
- Better running conditions
- Great reduction of fiber loss
- Positive influence on yarn quality
- General reduction of costs

Technical Data and Comparison	Berkolizer 06 standalone	Integrated berkolizing module
Operation	manual	fully automatic
Capacity	depending on top roller specification and radiation time selected, but in any case higher than the average output of manual and automatic grinding	up to 350 arbour per hour synchronized with grinding process
Operating range	all common top rollers with cots of outside diameter from 19 - 80 mm and max. arbour length: 520 mm	ring spinning and flyer top rollers with min. cot diameter 24 mm; max. diameter 42 mm; arbour length max. 190 mm
UV lamp	1 x 1'000 W	1 x 2'000 W
Suction	3 m³ / min	3 m³ / min
Space required	1 x 0.7 m	0.6 x 0.7 m
Weight	113 kg	190 kg
Connection power	1.5 kW	2.5 kW
Safety	Full service in accordance with CE standards	



Practical Example

Rieter G5/2 ring spinning machine with 576 spindles, Spindelspeed 16'800 rpm, Yarn 100% combed cotton, Nm 85, Temperature 25°C, RH 55%