

Aiming at New Records in Fully Automatic Grinding

Less than seven seconds for a grinding cycle

The supergrinder pro is a fully automatic, single axis grinding machine which simultaneously loads, checks, grinds, unloads and sorts cots, in less than seven seconds. The machine handles any axle geometry and cot diameters between 18 and 52 mm. With a production performance of 520 axles per hour, the supergrinder pro is a first mover and will become a must-have for mills with both large and small spindle capacity.

To stay ahead of competition, spinning mills look for the best-performing machinery that requires the least maintenance and lowest energy consumption. The supergrinder pro does not only offer very high performance on the market for single-axis grinding machines; thanks to an avant-garde design (Fig. 1), it also has fewer moving parts, resulting in less maintenance and energy costs.



Fig. 1: The unique design of the supergrinder pro offers less energy consumption, less spare parts, less risk of failure but more output.

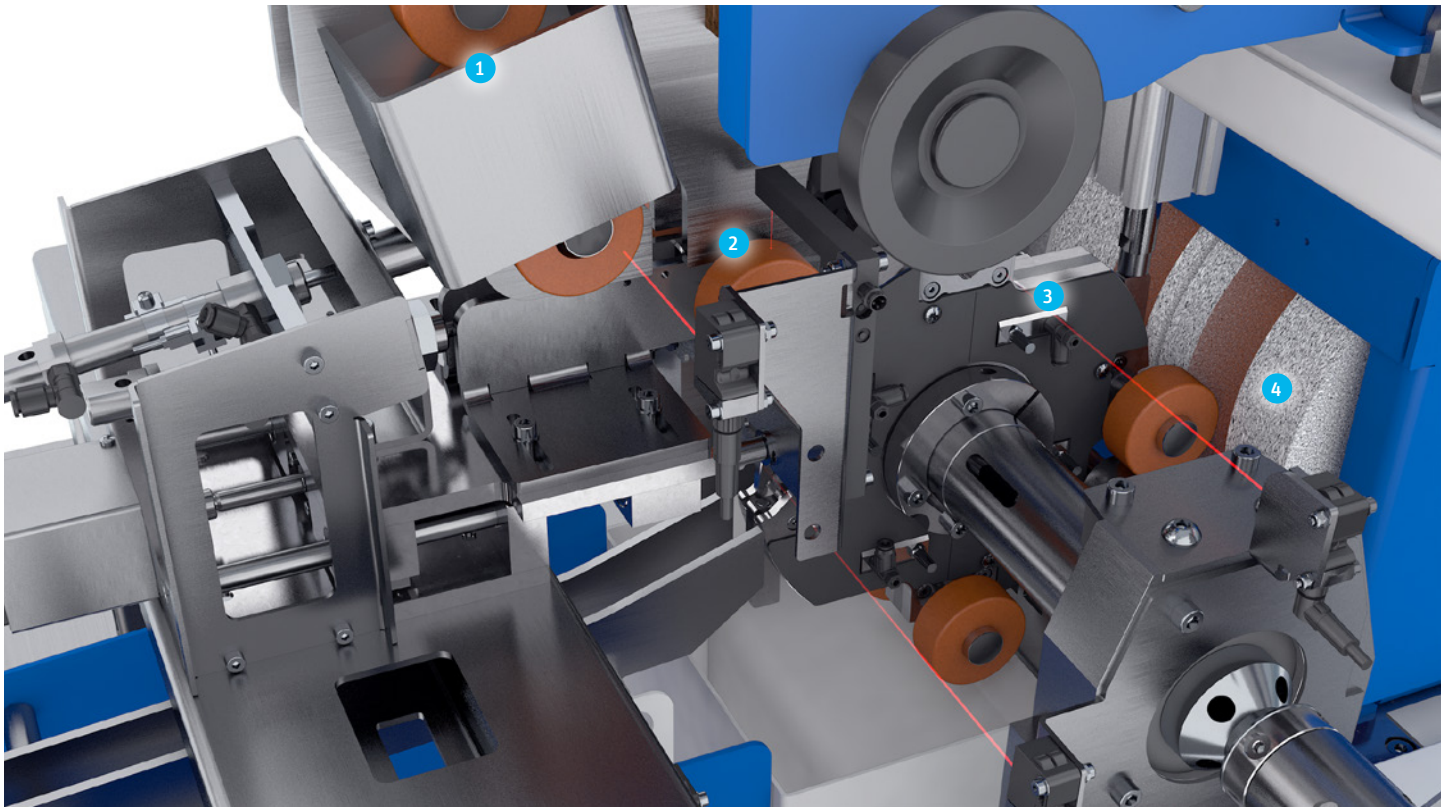


Fig. 2: 1 Inlet from magazine suitable for all kind of axle geometries and cot diameters between 18 and 52 mm 2 Axle pickup and cot diameter measurement 3 Automatic turret tool performing the complete grinding cycle in less than seven seconds 4 Berkol grinding wheel with hollow corundum microspheres

The machine is less bulky than others in its category so it can meet smaller space requirements.

Grinding cycle of less than seven seconds

The supergrinder pro has been developed with performance, energy usage and maintenance costs in mind. An automatic turret tool (Fig. 2) is at the center of this innovative design. It allows the supergrinder pro to perform the complete grinding cycle in less than seven seconds only. The machine can process any axle geometry which eliminates the need for manual adjustment.

Grinding to perfection

The supergrinder pro features the renowned Berkol grinding wheel, made of hollow corundum microspheres (HCM) to ensure the best grinding results with minimum energy

input. The dressing of the grinding stone is automatically performed according to preset cycles. A large window gives access to the stone, for easy and fast maintenance.

The machine is equipped with sensors to precisely detect each position of the cot on the turret tool. In case of a variation, the position is adjusted according to the set parameters, thus ensuring 100% reproducibility.

Up to 50 grinding programs can be defined and stored via the intuitive touch screen.

Whether for its performance, reduced maintenance costs or energy savings, the supergrinder pro will soon be essential for any spinning mill.