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**AUTOMATIC GRINDING & POLISHING MACHINES**  
**SAPHIR 550 / SAPHIR 560**

## AUTOMATIC GRINDING &amp; POLISHING MACHINES

## SAPHIR 550 / SAPHIR 560



The Saphir 550 is a single wheel and the Saphir 560 is a twin wheel grinder and polisher with an innovative grinding and polishing head for working wheels Ø 200-300 mm.

The automatic protective hood integrated in the head sets a new standard for operational safety.

Single and central pressure, memory function, integrated dosing system, material removed measurement are only a few of the possibilities.

Motor-driven height setting with pneumatic clamping meets highest demands



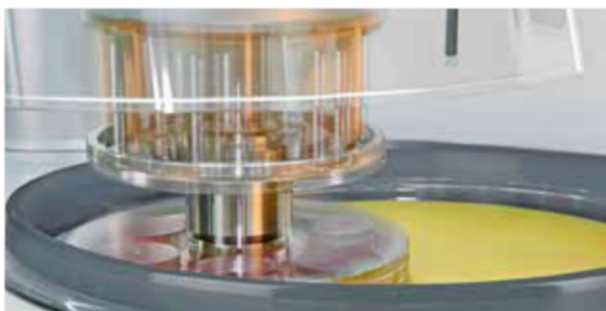
## GRINDING AND POLISHING HEAD

Through the individual pressure of the head, samples with different diameter and materials can be worked at the same time. It also has a memory function for the side and height setting. The grinding and polishing head is operated via a clearly laid out touch-display. Programs can be compiled here and then saved. Furthermore it is fitted with a quick-change function for the sample holders and clockwise and anticlockwise running directions.



## MATERIAL REMOVED MEASUREMENT

The removal height can be pre-determined with 0.1 mm accuracy. The material removed measurement takes place automatically. After reaching the preset value, the machine switches off.



## SAFETY

The preparation only starts when the transparent protective hood is extended. The working area is illuminated by energy-saving LEDs. Data safety is secured by enabling password protection for each individual program..

## VARIABLE SPEED

The display on the grinder and polisher shows the speed digitally. The base speed can be infinitely adjusted between 50 and 600 rpm. The head speed is separately adjustable between 30 and 150 rpm. The speed can also be changed during the working sequence.

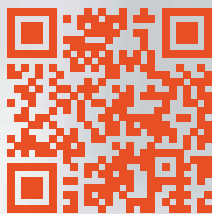
## WATER

The automatically switched integrated basin rinsing is cooling the working wheel and cleaning the basin during the entire working process. The rinsing tap can be pulled out with the hose extension. Optimum distribution of water can be reached by swinging the tap left and right across the diameter of the working wheel..

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