

# Saphir 550/560 Series Specimen Preparation Systems

12  
inch



## Effortless. Skillful.

Offering innovation for semi-automatic sample preparation, the **Saphir 550.3** (single wheel) and **Saphir 560.3** (dual wheel) Specimen Preparation Systems can process a variety of grinding and polishing tasks. These 12 inch format machines feature single and multiple sample modes, along with variable speed of both the sample mover head and base wheel. Programmable touch screen control stores protocols and enhances repeatability.

Electronically regulated pneumatic sample loading ensures the correct sample grinding and polishing force. A belt-driven wheel and sample mover head handle large sample sizes or high volume applications.

Through the best engineering and design, the Saphir 550/560 Series is easy to maintain and provides all of the features that other manufacturers consider options.



# Saphir 550/560 Variable Speed Specimen Preparation Systems

Wheel / Disc Size:  
250, 300 mm / 10, 12"

Wheel / Disc Format:  
Plain, Magnetic Disc

Wheel Speed:  
50 - 600 rpm, Variable

Automatic Disc Cooling

LED Illumination

Power:  
110 V / 60 Hz, 1 Phase  
220 V / 60 Hz, 1 Phase

Dimensions W x H x D:  
SA550: 22 x 26 x 29"  
SA560: 40 x 26 x 29"

Weight:  
SA550: 200 lbs  
SA560: 260 lbs

## Grinder / Polisher Head

Speed: 30 - 150 rpm, Variable

Individual Pressure Mode:  
Single Samples:  
1 - 6 up to 50 mm / 2"  
Force: 5 - 100 N

Central Pressure Mode:  
Up to 12 Samples per Holder  
Force: 20 - 400 N

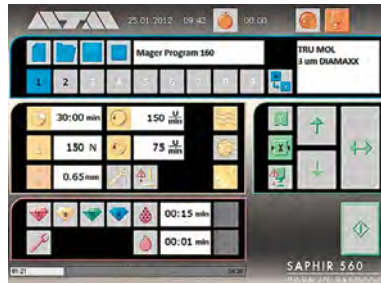
## Optional:

Automatic Diamond Dosing

Controlled Removal

Sedimentation Tank

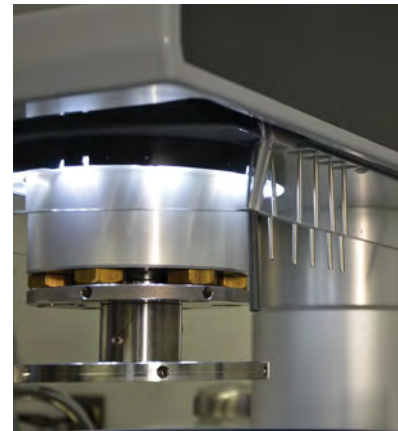
SystemLab Furniture



Intuitive **graphic color display** provides simple navigation, capacity to store unlimited programs and password protection



The Saphir series can be built into the **SystemLab Furniture** for a floor standing unit with rinsing sink or cleaning chamber



Full programmability of all preparation parameters, including **Automatic Diamond Dosing Levels**, ensures repeatability



Handy **Extendable Water Spigot** for rinsing and cleaning the recessed bowl

