

Saphir 550 Sample Preparation System



Effortless. Skillful.

The **Saphir 550 Specimen Preparation System** is a semi-automatic, 300mm (12") format machine that handles a variety of sample preparation tasks. It features single and multiple sample modes of operation and variable speeds. Repeatability is guaranteed by the programmable, touch screen control panel.

Electronically regulated pneumatic sample loading ensures the correct sample grinding and polishing force. A powerful, belt driven wheel and sample mover head can handle large sample sizes or a high volume application.

Through excellent engineering and design, the Saphir 550 is easy to maintain and provides all the features that other machines consider options.



Saphir 550 Variable Speed Specimen Preparation System

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

Wheel/ Disc Format:
Plain, Magnetic Disc,
VacuJet

Speed:
50—600 rpm variable

Power:
1.1 kW, 230V, 1 Phase

Dimensions W x H x D:
560 x 530-630 x 660 mm

Weight: 85 kg

Grinder/Polisher Head

Speed: 120 rpm

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

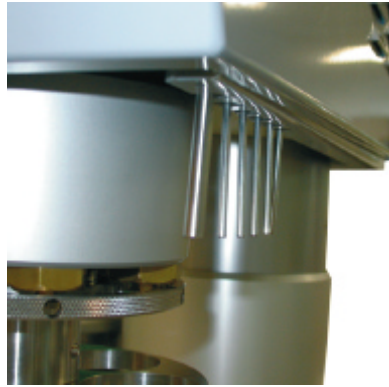
Central Pressure Mode:
Up to 12 Sample per holder
Force: 20-400N

Optional:

Automatic Diamond/Oxide
Dosing

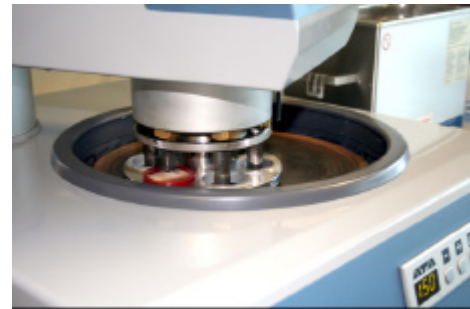
VacuJet System

SystemLab Furniture



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

Unique **Extendable Water Spigot** for rinsing and cleaning the recessed bowl.



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

Saphir 550 is capable of two modes of operation: **Single Sample Mode** for individual mounts, and **Sample Holder Mode** for multiple samples in a traditional sample holder.

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