

Saphir 560 Specimen Preparation System

12
inch



Tailored. Impressive.

The **Saphir 560 Specimen Preparation System** is a dual wheel, 12 inch format, semi-automatic machine that handles a variety of sample preparation tasks. The centrally mounted head can swing between wheels for multi-step operations. The Saphir 560 features single and multiple sample modes of operation and variable speeds. Full preparation programming guarantees repeatability using the graphical 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 ATM Saphir 560 is easy to maintain and provides all the features that other machines consider options.



Saphir 560 Dual Wheel, Variable Speed Specimen Preparation System

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

Wheel / Disc Format:
Plain, Magnetic Disc,
VacuJet

Speed:
50 - 600 rpm, Variable

Power:
110 V / 60 Hz, 1 Phase

Dimensions W x H x D:
41 x 25 x 26"

Weight: 264 lbs

Grinder / Polisher Head

Speed: 120 rpm

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

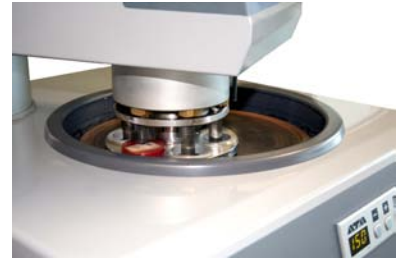
Independent Motor Controls

VacuJet System

SystemLab Furniture



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



Saphir 560 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



The Saphir series can be built into the **SystemLab Furniture** for a high volume, floor standing machine



Optional **Sedimentation Tank** uses a baffle system and filter bags to reduce discharge of abrasives and solids into drain

