

# Saphir X-Change Fully Automatic Grinder/Polisher

10  
inch



## Affordable Automation

Providing repeatable results, and designed to fit in any sized lab, the **Saphir X-Change Fully Automatic Grinder/Polisher** stands as a signature innovation in metallographic sample preparation.

The X-Change achieves high efficiency, quickly switching your grinding/polishing media while samples are being cleaned. Capable of co-rotation and counter rotation, the head utilizes

a 1 HP motor and central pressure mode. A 16 place media elevator made of durable aluminum stores and exchanges PSA-backed or magnetic discs. The system's touch screen panel ensures programs are easy to store and reproduce.

All-in-one construction, a small footprint and affordability make the X-Change a must-have for metallographic labs both big and small.



# Saphir X-Change Fully Automatic Grinder/Polisher

Wheel / Disc Size:  
250 mm / 10"

Wheel / Disc Format:  
Plain, PSA, Magnetic Disc

Wheel Speed:  
50 - 600 rpm, Variable

16 Place Media Elevator

Automatic Disc Cooling

LED Illumination

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

SystemLab Cabinets

Sedimentation Tank:  
12 gallon (45 L)

Ultrasonic Cleaner

Compressed Air and  
Alcohol Cleaning

Dimensions W x H x D:  
52 x 60 x 31.5"  
1320 x 1500 x 800 mm

Weight: 550 lbs

## Grinder / Polisher Head

Speed: 30 - 150 rpm, Variable

Controlled Removal

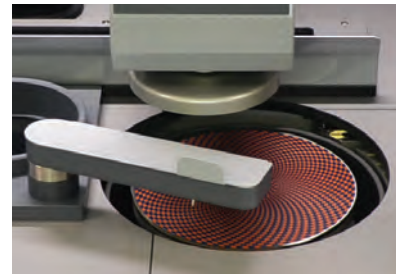
Central Pressure Mode:  
Sample Holder Ø 160 mm  
Force: 20 - 400 N

## Dosing Arm

4 diamond suspensions  
1 lubricant  
1 oxide



Intuitive **Graphic Color Display** provides simple navigation, capacity to store unlimited programs and password protection



Programmable **Dosing Arm** ensures repeatability for multi-step processes using diamond suspensions, lubricants and oxide



Two **Cleaning Stations** for high pressure (water/ethanol/air) and ultrasonic cleaning



16 place **Media Elevator** quickly sorts and exchanges grinding/polishing media



**Sedimentation Tank** rolls out of SystemLab cabinet for easy cleaning

