

# Saphir 300 Portable Grinding & Polishing Machine

NDT



## Mobile. Convenient.

The **Saphir 300 Portable Grinding and Polishing machine** is designed for accurate surface and microstructure replication for non-destructive testing. The durable power supply uses a rechargeable battery to power the hand held micro motor. Dual outlets on the power supply will allow the user to connect two motors for grinding and polishing. The variable speed control accurately controls polishing speeds to eliminate material deformation during preparation. A wide variety of grinding discs and polishing

cloths are available to fit the rubber preparation discs.

After preparation and etching, the microstructure replica can be produced using either elastic replication polymer or the traditional acetate tape method.

The durable Saphir 300 portable preparation unit is the best choice for a reliable machine to take on field metallography applications.



## Saphir 300 Portable Grinding & Polishing Machine

Wheel / Disc Size:  
30, 60 mm

Variable Speed:  
2 speed ranges  
1000 - 15000 rpm  
1000 - 35000 rpm

Power:  
110 V / 60 Hz, 1 Phase

Dimensions W x H x D:  
3.75 x 7.5 x 7"

Weight: 4.4 lbs



**Auto Mixing Replica Material** for microstructure and dimensional replication. Cellulose replica tape also available



Two optional **Polishing Heads** for use with grinding discs and polishing cloths

