

Digiprep 301 Automatic Grinder & Polisher



DIGIPREP preparation systems are designed for fully automated materialographic sample preparation for consistent and reproducible specimen quality. DIGIPREP's automatic head controls the force applied precisely (central and individual pressure), allowing specimens to be produced exactly the same way. With the ability to store and recall preparation programs on the LCD screen, consistent results are obtained. Efficiency is further increased by adding the DOSIMAT Peristaltic unit for automation and control of consumable consumption. Supplied ready to use without specimen holders.

Specification of Base Unit

- Single plate machine
- Single powerful high-torque motor (1 HP)
- Plate Ø 300mm
- Variable speed: 50 - 600rpm (soft start and soft stop)
- LED lighting illuminates platen, bowl, specimen and working area
- Retractable water hose for easier cleaning
- Base Dimensions: 380mm x 690mm x 340mm
- Electrical: 220V-single phase-50Hz

Specification of Automatic Head

- New HMI touch screen allowing 25 different programmes to be saved

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- Grinding depth measurement by Z axis control
- Individual or Central Pressure
- 60W, DC Head motor
- Variable Head Speed, 50-150rpm
- Quick locking swing mounted design
- Lubomat integrated lubricant dispenser with gravity feed and flow adjustment valve
- Air supply tubes, air filtering and lubricating unit
- Sample Capacity: 1-6 samples (individual force) or up to 10 samples (central force)
- Sample Force: 5 to 60 N per sample (individual force) or 20-360 N (central force)
- Requires 6 bar compressed air



Programmable HMI touch screen



Cone shaped tips for single force operation

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