

Mechanical Preparation



LaboPol

Machines for grinding, lapping and polishing for 200 or 230 mm discs. All feature quick exchange of grinding, lapping and polishing discs. Can be combined with a specimen mover (such as LaboForce-3 or LaboForce-1) for semi-automatic fine grinding or polishing.

LaboPol-1: The single speed basic version in the LaboPol range. The 250 rpm speed is appropriate for both manual and automatic fine grinding and polishing.

LaboPol-5: Variable rotational speed between 50 and 500 rpm controlled by an electronic servo-system that keeps the selected speed constant, independent of the load. Suitable for laboratories handling a wide range of materials.

LaboPol-21: A two-disc, single speed machine working at 300 rpm. Can be used for manual grinding or polishing on either disc, but when a specimen mover is added one disc can be used for manual preparation and the other for semi-automatic fine grinding or polishing.



LaboForce

Specimen movers for semi-automatic preparation of materialographic specimens on LaboPol grinding and polishing machines. LaboForce specimen movers come equipped with adjustable drip lubricators and help produce high quality finished specimens.

LaboForce-1: LaboForce-1 is the economic choice. It operates at 8 rpm and is suitable for fine grinding and polishing of 1-3 specimens. Force can be set from 2N to 20N.

LaboForce-3: Operates at a speed of 250 rpm and can prepare between 1 and 3 specimens. Specimens are easily placed in the specimen mover plate and the force on each can be set individually, from 5N to 40N. Specimen mover plates can be changed quickly to accommodate 25 mm (1"), 30 mm (1¼") and 40 mm (1½") diameter specimens.

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