

## Multi-Purpose Grinder/Polisher AGB9003

This lower cost Multi-Purpose Grinder/Polisher can be used as a standard manual grinder, or as an automatic lapping/polishing machine for both flat samples and metallographic samples. The machine is a cost effective solution for material research laboratories and is easy to use, offering a high degree of flexibility when used in combination with the various accessories.

The adjustable Y shaped positioning arm gives complete control over a wide range of sample grinding/polishing applications. When used in combination with the standard 3" diameter sample holder, or with the alternative holders, the arm eliminates the need for hand manipulation. This, together with the optional polishing fixture for precision/automatic thinning and polishing, the final thickness of the sample can be controlled with micrometric precision.



### General

- ◆ Compact benchtop laboratory equipment with heavy dust cast aluminium case
- ◆ 8" diameter flat polishing/lapping turntable
- ◆ High torque and quiet operation

### Turntable rotation speed range

- ◆ Manual adjusted between 0 – 600 rpm
- ◆ Displayed digitally on front panel keypad

### Turntable

- ◆ 8" diameter
- ◆ High flatness to allow precision lapping
- ◆ Aluminium

**Standard delivered accessories**

- ◆ Y shaped arm device
- ◆ 3" flat sample holder for polishing flat samples
- ◆ Ring for sample holder
- ◆ Two 8" PSA Diamond Lapping plates with 320 mesh and 600 mesh separately for fast lapping/grinding
- ◆ Two 8 " PSA polishing pads for final polishing
- ◆ 10g, 0.5 microns diamond paste for faster polishing

**Optional accessories (can be ordered separately)**

- ◆ 3" Sample Holder with 3 Holes 1" diameter round mount and two weights for metallographic sample preparation
- ◆ 2" Polishing Fixture for Precision / Automatic Thinning and Polishing
- ◆ Accessory equipment (slurry dispenser, carrier/chuck, thickness meter, weights, etc.)
- ◆ Consumables for polishing/lapping/grinding (sand paper, pad, plate, slurry, coolant, etc.)

**Cooling**

- ◆ Local, by manual adjusting the free water flow from the supplied basin installed at a higher level than the turntable
- ◆ Using external supply

<b>Power</b>	110V/220V user selected 300W maximum power consuming
<b>Product Dimensions (L x W x H)</b>	21" x 14" x 13" (525 x 350 x 235mm)
<b>Crate dimensions</b>	40" x 34" x 32"
<b>Net weight</b>	30kg
<b>Shipping weight</b>	140lbs (63kg)
<b>Standard warranty</b>	One year limited with lifetime support (not including rusting due to inadequate storage conditions or damages due improper manipulation)
<b>Certificate</b>	CE Certified