



GenGrind FA-IC Dual Wheel Fully Automatic



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



STRICT COMPLIANCE WITH INDUSTRY STANDARDS



STOCKED CONSUMABLES AND SPARES



TRUSTED AFTER SALES TECHNICAL SUPPORT



LIFETIME PRODUCT SUPPORT ADVANTAGE



Description

Introducing the [GenGrind FA-IC](#), a state-of-the-art single-chip microcomputer controlled grinding and polishing machine. The GenGrind FA-IC features a durable ABS material shell, providing a beautiful appearance and excellent resistance to corrosion. With its stepless speed control and reversible rotational direction, this machine offers versatile functionality. The grinding head offers two methods: individual pressure and central pressure. By effectively replacing manual grinding and polishing processes, the GenGrind FA-IC significantly reduces labor requirements while enhancing the quality and efficiency of sample preparation. It is the perfect equipment for metallographic sample preparation.

GenGrind FA-IC Dual Wheel Standard Configuration

- Dual Wheel GenGrind FA-IC (Individual and Central Force Control)
- Automatic Power Head
- Water Pipe
- Splash Cover
- Aluminum Grinding Platen
- O-Ring
- Aluminum Polishing Platen
- Quick Release Sample Holder Adapter
- 4x Silicon Carbide Papers
- 2x Abrasive Polishing Cloths
- Operational Manual

GenGrind FA-IC Features

- High-definition LCD touch screen for easy operation with clear and intuitive display.
- Automatic grinding and polishing system with customizable time, speed, and automatic water control, eliminating the need for manual intervention.
- Special self-adaptive design of the grinding disc ensures a perfect fit with the sample, resolving multi-faceted issues and ensuring consistent grinding surfaces.
- Automatic locking function of the grinding head ensures safe and convenient operation.



- Magnetic grinding disc design enables quick disc replacement, and the Teflon-coated disc surface prevents residue from building up on your abrasive paper and polishing cloths.
- Dual Wheel design allows independent grinding and polishing processes without the need to constantly change your papers/pads.
- DC brushless motor offers a long lasting service life, reduced noise, and powerful performance for efficient grinding and polishing.
- Strong and spacious support design ensures precision rotary balance, while the leak proof spindle design protects the bearings from damage.
- Built in memory capabilities allowing you to store up to ten different grinding and polishing procedures - allowing for different parameter settings for various samples.

GenGrind FA-IC 250 / 300 Dual Wheel Technical Specifications

Model	GenGrind FA-IC 250 Dual	GenGrind FA-IC 300 Dual
Disc Diameter	250mm (10")	300mm (12")
Grinding Papers and Polishing Cloth Diameters	250mm (10")	300mm (10")
Disc Speed	Stepless Speed 50-100rpm	
Disc Rotational Direction	Clockwise or Counterclockwise	
Disc Electromotor	DC Brushless Motor, 110V, 1.2kW	
Power Head Motor	DC Brushless Motor, 110V, 750W	
Head Speed	Stepless Speed 20-120rpm	
Sample Holding Qty	Standard is 6pcs @ 30mm Dia. (other sizes available upon request - Φ 25mm, Φ 30mm, Φ 40mm or 1", 1.25", 1.5" or custom)	
Pressure Method	Individual or Central Control	
Individual Pressure Force	0-50N	
Central Pressure Force	0-160N	
Control and Display	7-inch LCD Touch Screen	
Power Supply	110V / 60Hz / 1Ph or 220V / 50Hz / 1Ph 12A	
Safety	Emergency Stop Button	
Dimensions and Weight	47" x 31.5" x 30"; 295lbs / 1200 x 800 x 760mm; 134kg	



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