



## GenGrind SA-C 250S 10" Single Wheel Semi Automatic Grinder & Polisher – Variable Speed 100-1000rpm – Central Force Control – Touch Screen Controlled with Automatic Specimen Mover Power Head – (various wheel sizes available)



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 SA-C 250S – your ultimate [grinding and polishing](#) solution. The GenGrind SA-C 250S boasts automatic, two direction control on a spacious 10"Ø wheel (254mmØ) with stepless variable speed. Enjoy intuitive touch screen controls and a user-friendly interface, enhanced by cutting-edge programming and parameter storage technologies. Experience unparalleled efficiency with the robust central-pressure head, featuring clockwise rotation, adjustable speed, and pressure. Elevate your sample preparation effortlessly with the GenGrind SA-C 250S.

### GenGrind SA-C 250S Features

- Advanced grinder polisher with automatic central pressure head.
- Highly cost-effective, stable quality, customizable to customer requirements.
- One-piece aluminum alloy machine base for lightweight, shock absorption, and corrosion resistance.
- Single working plate, standard 254mm dimension, 50% larger than typical machines.
- Polishes 6 pieces of 30mm diameter samples in one cycle.
- High-end ABS shell for a novel appearance and durability.
- Easy cleaning with built-in nozzle waste collection tank for automatic cleaning.
- Clear touch color screen display control for intuitive operation.
- Settable testing time, rotating speed, and pressure.
- Electromagnetic clutch locks the grinding head for convenient operation (optional).
- Stepless speed regulation from 100-1000r/min or four constant speeds.
- Stores 100 groups of grinding and polishing programs for quick recall.
- Magnetic disc design for efficient sandpaper and polishing cloth replacement.
- Free-rotating sample chuck with internal lighting system for easy sample handling.
- Three-phase silent motor and stepping motor for stable, quiet, and durable performance.
- Automatic centering to prevent multi-faceted grinding and polishing.



## GenGrind SA-C 250S Technical Specifications

Model	GenGrind SA-C 250S
Disc Diameter	250mm (10") with Magnetic Disc
Speed of Working Plate	100-1000rpm Stepless Speed Supports Clockwise and Counter clockwise directions
Four Level Constant Speeds	V1=300rpm, V2=500rpm, V3=800rpm, V4=1000rpm (each speed can be set between 100-1400rpm)
Grinding Head Speed	0-120rpm
Grinding Head Power	0.2kW (Clockwise Rotation)
Grinding Head Lock	Manual Lock (Automatic Electronic Optional)
Sample Pressure Range	0-0.5MPa (Commonly Used is 0.1-0.3MPa)
Working Wheel Power	1.1kW (Clockwise and Counter Clockwise)
Sample Holder	Standard is 6pcs @ 30mm Dia. (other sizes available upon request - $\Phi$ 25mm, $\Phi$ 30mm, $\Phi$ 40mm or 1", 1.25", 1.5" or custom)
Pressure Loading Type	Pneumatic Central Pressure
Pressure Adjustment	Manual Pressure Adjustment
Timing Function	0-99 Minutes
Power Supply	110V 50/60Hz 1.8kW
Dimensions & Weight	19.7" x 30.3" x 27.6" / 500 x 770 x 700m 176lbs / 80kg

## GenGrind SA-C 250S Standard Configuration

- GenGrind SA-C 250S Single Wheel Semi Automatic Grinder and Polisher with Central Pneumatic Force Control
- Grinding Plate 254mm
- Polishing Cloth with PSA (250mm) (4)
- Grinding Papers 400# (4)
- Grinding Papers 800# (4)
- Grinding Paper 1200# (4)
- Waterproofing Ring (On Machine)
- Paper Disc
- Magnetic Disc
- Water Inlet Hose 0.75"
- Water Outlet Hose 32mm
- Power Line and Operational Manual

**Note: Check out our [consumables catalogue](#) starting on Page 3 for Mounting Press consumables!**

**\* Request a [formal quotation](#) or send an e-mail to [sales@nextgentest.com](mailto:sales@nextgentest.com) for the most up-to-date pricing and applicable discounts and incentives**