GenGrind SA-I 250S 10" Single Wheel Semi Automatic Grinder & Polisher – Variable Speed 100-1000rpm – Individual 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

GET A QUOTE

Description

Discover the GenGrind SA-I 250S - single wheel semi automatic grinder & polisher. It is your ultimate answer to grinding and polishing needs. Equipped with a spacious 10"Ø wheel (254mmØ), it offers automatic two-direction control and stepless variable speed. Its intuitive touch screen, enriched by advanced programming and parameter storage, ensures user-friendly operation.

Experience unmatched efficiency through the powerful individual-pressure head, featuring adjustable speed, clockwise rotation, and pressure. Elevate your sample preparation effortlessly with the GenGrind SA-I 250S.

GenGrind SA-I 250S Semi Automatic Grinder Features

- Remarkable cost-effectiveness, offering stable quality and versatile functions, easily customizable to cater to various customer requirements.
- Crafted from a single piece of aluminum alloy, the machine base guarantees lightweight construction, exceptional shock absorption, and corrosion resistance.
- Enjoy a single working plate with standard dimensions of 10” diameter (254mm)
- Efficiently polish 6 samples of 30mm diameter in a single operation (various other sizes available upon request).
- The sleek ABS shell exudes a sophisticated appearance, adding a touch of elegance to the machine's design.
- Experience automatic cleaning facilitated by the built-in nozzle with a waste collection tank.
- Intuitive touch screen display control ensures clear interface and a user friendly simple operation.
- Set parameters for testing time, rotation speed, and pressure, tailoring the machine to your needs.
- Opt for the optional electromagnetic clutch for the grinding head, allowing convenient and swift operation.
- Choose between stepless speed regulation (100-1000r/min) or four constant speed options, with room for defining three common speeds for different stages of preparation.
- Store up to 100 sets of grinding and polishing programs, enabling quick program recall.
- Embrace the magnetic disc design for swift disc changes, enhancing efficiency during sandpaper and polishing cloth replacement.
- Seamlessly handle samples with the free-rotating sample chuck design, complemented by an internal lighting system for easy sample placement.
- Benefit from the machine's three-phase silent motor and stepping motor combination, ensuring stable rotation, minimal noise, and extended lifespan.

- Automatic centering feature prevents multi-faceted grinding and polishing, ensuring precise results.

GenGrind SA-I 250S Semi Automatic Grinder Standard Configuration

- GenGrind SA-I 250S Single Wheel Semi Automatic Grinder and Polisher with Individual 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

GenGrind SA-I 250S Semi Automatic Grinder Technical Specification

Model	GenGrind SA-I 250S
Disc Diameter	254mm (10") with Magnetic Disc
Speed of Working Plate	100-1000 rpm 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
Sample Holder	Standard is 6pcs @ 30mm Dia. (other sizes available upon request - Φ25mm, Φ30mm, Φ40mm or 1", 1.25", 1.5" or custom)
Automatic Mode	Can program speed, running time, grinding wheel direction and timing functions
Sample Pressure Range	0-0.5MPa (Commonly 0.2-0.3MPa)
Pressure Loading Type	Single Point Pneumatic Pressure
Timing Function	0-99 Minutes
Grinding Head Lock Mode	Manual Lock (Automatic Electronic Optional)
Grinding Head Power	0.2kW (Clockwise Rotation)
Working Wheel Power	1.1kW (Clockwise and Counter Clockwise)
Power Supply	110v 50/60Hz 1.8kW
Dimensions & Weight	19.7" x 30.3" x 27.6" / 500 x 770 x 700mm; 176lbs / 80kg

NORTH AMERICA (CORPORATE HEADQUARTERS): 170-422 Richards St., Vancouver, BC, V6B 2Z4 Canada
CALIFORNIA: 3503 Jack Northrop Ave., Suite # AF937, Hawthorne, CA 90250
Toll Free:+1 (888) 332-3582 | Fax: +1 905 247-0555 | www.nextgentest.com

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

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