



## Double Faced Rock Core Grinder Machine NG-CoreGrind 2000

Introducing NextGen's cutting-edge NG-CoreGrind 2000 automatic double faced core grinder machine, specifically designed to expertly grind and polish the end surfaces of concrete or rock cube and cylinder specimens. This state-of-the-art equipment boasts two flexible grinding heads, each outfitted with 8-inch (∅ 200mm) diamond grinding wheels, ensuring exceptional precision and high-quality performance. The NG-CoreGrind 2000 diligently meets parallelism requirements set by industry standards and complies with [ASTM D4543](#) & [ASTM C42](#) international standards.



### Standards

[ASTM D4543](#), [ASTM C42](#), [EN 12390-3](#), [EN 12504-1](#)



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

Designed for maximum efficiency and ease of use, our automatic grinder machine features a user-friendly table that easily locks the cube and cylinder specimens in place. The grinding head can then be laterally moved, either manually or automatically, in both directions, with adjustable speed for optimal control.

YouTube video link: <https://youtu.be/K8IBcCxH0MQ?si=7R9YxJdKUEG2Z4ES>

Whether you're in the construction industry or working in a geology lab, our automatic grinder machine is the perfect solution for achieving a flawless finish on your cube and cylinder specimens. With its advanced features and cutting-edge technology, this machine is sure to exceed your expectations and help you achieve outstanding results every time.



## NG-CoreGrind 2000 Double Faced Core Grinder Machine Main Features

- The NG-CoreGrind 2000 is designed to make the process of grinding concrete cubes or cylinders easier and more precise than ever before. Boasting a large base table, this machine delivers exceptional productivity, allowing you to grind multiple specimens quickly and efficiently.
- 
- Thanks to its ergonomic, compact bench model design, our grinding machine is the perfect solution for laboratories that are tight on space. Not only does this machine help you save valuable real estate, but it also enhances laboratory safety.
- Our grinder machine also features an advanced cooling system, which can be powered by either a main water supply or a recirculating system. This feature greatly improves reliability, ensuring that the machine performs consistently and reliably, even during extended use.

## NG-CoreGrind 2000 Standard Configuration

- NG-CoreGrind 2000 Main Machine
- Diamond Grinding Wheels
- Clamping Devices
- Operation Manual



## NG-CoreGrind 2000 Double Faced Core Grinder Machine Technical Specifications

Model	NG-CoreGrind 2000
Motor	.75kW Speed 1,430rpm
Power for Grinding Head	1.1kW x2 Speed 2,800rpm
Grinding Mode	Parallel grinding of both surface ends simultaneously
Grinding Head Control Modes	Manual or Automatic
Automatic Grind Feeding Speeds	0.04-0.2mm (adjustable)
Maximum Specimen Sizes	Cubes (in): 1.97"x1.97"x1.97" to 5.91"x5.91"x5.91" Cubes (cm): 50x50x50mm to 150x150x150 mm 1.97" Dia. To 5.91" Dia. 50mm Dia. To 150mm Dia.
Surface Fineness	Ra3.2
Flatness and Precision	Error ≤0.04mm, Verticality ≤0.1mm
Grinding Wheels	∅ 8" x ∅ 0.75"x1.57", 2pcs ∅ 200 × ∅ 19×40mm, 2pcs
Cooling Devices	Water Cooling, Liquid Nitrogen Cooling (optional)
Dimensions	58" x 56" x 48" 1,450mm x 1,400mm x 1,200mm
Weight	1323 lbs / 600 kg

\* 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.