



NextGen Double Faced Grinding Machine NG-CoreGrind 2000

Our state-of-the-art NG-CoreGrind 2000 automatic grinding machine is expertly engineered to grind and polish the end surfaces of concrete or rock cube and cylinder specimens. Featuring two movable grinding heads, each equipped with $\Phi 200$ diamond grinding wheels, this machine delivers unparalleled precision and performance. NG-CoreGrind 2000 complies with [ASTM D4543](#) & [ASTM C42](#) international standards.

Designed for maximum efficiency and ease of use, our automatic grinding 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.



Whether you're in the construction industry or working in a geology lab, our automatic grinding 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 Grinding 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 grinding 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 Grinding Machine Technical Specifications

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 Models	Manual or Automatic
Automatic Grind Feeding Speeds	0.04-0.2mm (adjustable)
Maximum Specimen Sizes	Cubes: 50x50x50mm to 150x150x150 mm 50mm Dia. To 150mm Dia.
Surface Fineness	Ra3.2
Flatness and Precision	Error ≤0.04mm, Verticality ≤0.1mm
Grinding Wheels	ϕ 200× ϕ 19×40mm, 2pcs
Cooling Devices	Water Cooling, Liquid Nitrogen Cooling (optional)
Dimensions	1,450 x 1,400 x 1,200
Weight	600kg

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