

C-1450.1 AUTOMATIC CYLINDER END GRINDER



- 2 year warranty
- Surface flatness $\leq 0.05\text{mm}$
- Improves productivity and efficiency
- Multiple cylinders simultaneously
- Easy to operate
- Safe for the operator
- Robust

DESCRIPTION

The Omnimetrix model C – 1450.1 type Automatic Concrete Test Cylinder Grinder Machine is quickly becoming the chosen alternative to the traditional rubber or sulphur capping method used by Quality Construction Labs throughout Canada.

It is a more accurate, safer, easier and much quicker method of grinding test cylinders which greatly contributes to improving the productivity and efficiency in the laboratory.

Comply to ASTM C39,D4543,C192,C31 EN 12390-2,C-617

FEATURES

- An operating cycle is typically 120 sec
- No dangerous sulphur capping material required
- No fume hood
- Emergency stop button
- Automatic cylinder feeding decreases the operator skill needed and is safe
- 3 cylinders 100 mm x 200 mm or 2 cylinders 150 mm x 300 mm can be grinded simultaneously
- Low and High strength concrete

** Operating in Manual and/or Automatic mode

APPLICATIONS

Designed to grind and polish

- Concrete test cylinders
- Cube specimens
- Concrete blocks
- Natural Stones
- Rocks
- Ceramic Materials

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SPECIFICATIONS

Grinding precision :	≤0.05 mm surface flatness
Grinding wheel size :	200 mm in diameter
Grinding time setting :	adjustable to a maximum of 360 sec
Automatic feed speed control :	adjustable to a maximum of 4 mm/min
Automatic feed speed :	normal position 2 mm/min
Feed range :	30 mm
Feed-Start delay :	adjustable to a maximum of 60 sec
Safety features :	Feed safety protection with limit switch Acrylic splash guard to prevent water and dust spills Emergency Stop button
Convenience feature :	Grinding wheel automatically returns to center position when machine is turned off The cooling water supply is controlled automatically with a solenoid valve The feed table lubricant is contained in a reservoir with a pump that can be activated manually by the operator
Power requirement:	115 volts, 60 Hz, single phase. CSA or UL Certification included
Other requirements :	water supply for cooling
Supplied accessories :	Specimen jigs for 100 mm & 150 mm cylinders
Shipping weight :	750 lb ,Unit dimensions: Width 25" X Depth 45" X High 54"
Optional accessories :	- Diamond grinding wheel - Specimen jig for 3x6" cylinder - Specimen Jig for Rock 47.44 mm diameter



