

Zircoline

A complete system of diamonds, mounted stones, rubber wheels and discs designed specifically for sintered Zirconia

For both Technicians and Dentists

Sintered Zirconia is extremely sensitive to heat—and the use of improper instruments either in the Laboratory or Operatory may cause checking or cracking of the sintered zirconia at a later date—and a costly failure of the restoration. A polished surface also provides a higher biaxial flexural strength.

Only the Zircoline System provides a complete assortment of specifically designed instruments to avoid overheating the sintered zirconia along with an easy technique for adjusting, correcting, polishing, finishing, separating, and milling of sintered zirconia.

Zircoline Kits and Components

Diamonds

The shapes are specifically designed for working with zirconia in either the Laboratory or Operatory—not just modified diamonds.

The 4 grits are specifically designed for sintered zirconia, along with other extremely hard materials, providing for very accurate reduction.

The unique production process and materials utilized makes these diamonds very long lasting and cost effective.

The longer shanks are made in a special stronger material to eliminate breakage or bending—while allowing for improved operator access and visibility.

A special thin Disc is available for cutting of sprues and interproximal adjusting.

Run at 160,000 rpm with Water Coolant





Longer shafts provide for improved operator access and visibility.





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Diamond Mounted Stones

Very unique combination of ceramic binder and high quality diamonds to provide cool cutting or polishing at a slower speed without a water spray coolant.

Two Grits are ideal for final finishing under microscope at slower speeds.

Ideal for the laboratory that does not have a high speed air rotor with water coolant.





Rubber Wheels and Points

These are made of a special latex-free synthetic rubber binder and filled with three grades of high density pure diamond particles.

Excellent for low heat generation final trimming, polishing, and high shine of zirconia or other hard ceramics.



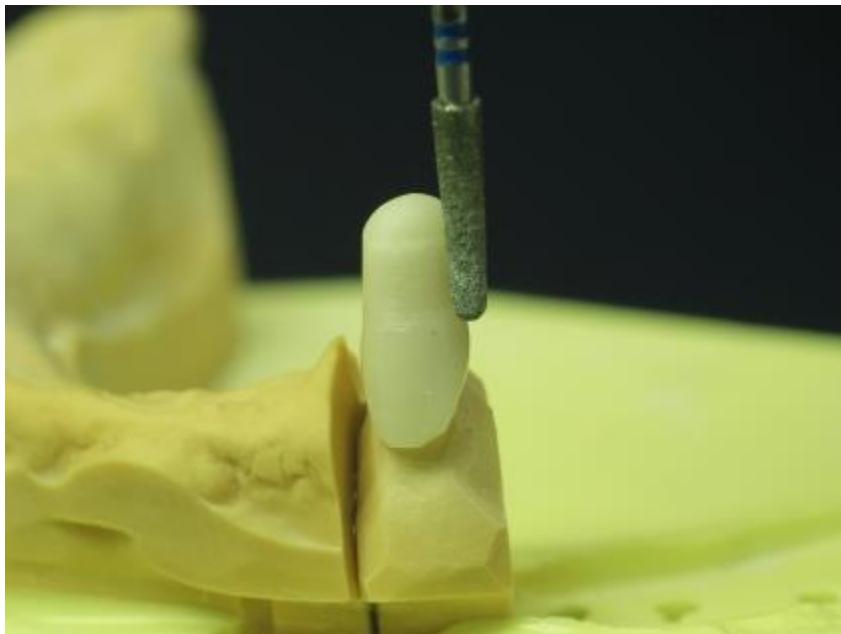
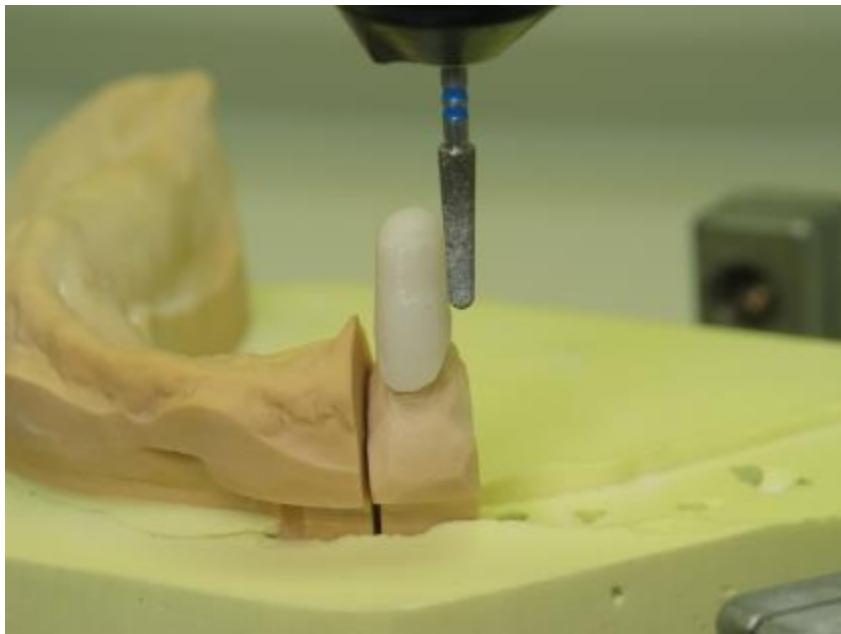
The Blue are ideal for final trimming and adjustment while eliminating the fine scratches, fissures, or cracks that may lead to fracture or breakage.

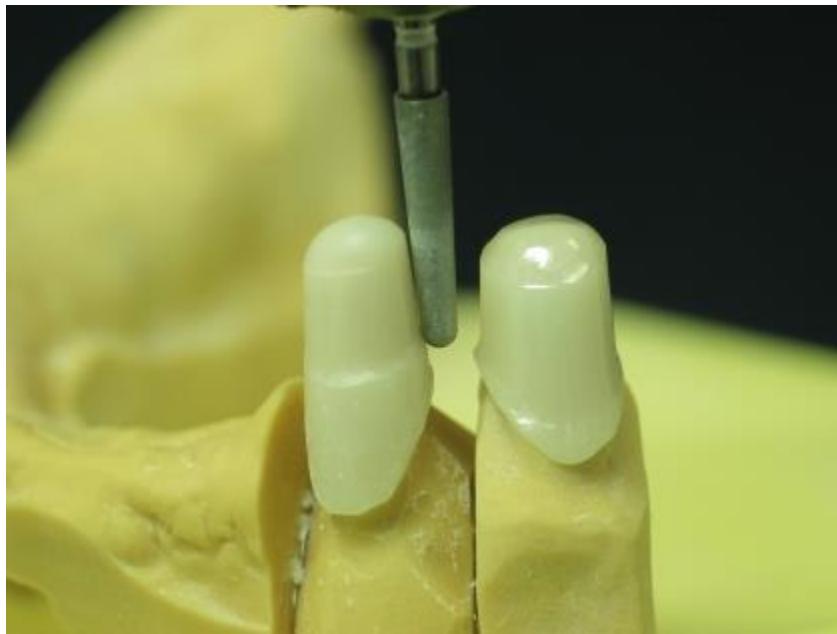
The Pink and Grey polishers provide a low heat smooth high luster finish.



Zirconia Milling

Using the Zircoline Diamonds mounted in a milling machine or an adaptor on a surveyor.





The Hydro-Air Carver is a versatile, compact unit, with a lightweight handpiece for precise shaping of hard and very hard materials. The spray can be switched on and off quickly with the switch on the handpiece. This unique feature reacts instantly and avoids “over-flooding” the workspace and workplace. Fine adjustment of the spray is achieved by using the air and water regulators at the front of the unit.

The spray traps the dust, protects the grinding tools, and prolongs their life. The spray prevents overheating of the material being worked on and therefore minimizes the risk of fracture and discoloration.

The extra slim design of the rotor gives maximum working comfort and maximum visibility to the piece being worked on. Lubrication is applied directly to the rotor's ball bearings. This other unique feature increases

the lifespan of the motor considerable.

Burs are changed without the need of a tool. In addition, our handpiece can be fitted with any pneumatic instrument connecting to a Midwest (4 hole) standard.





Technical Data

Speed: 300000 rpm

Operated by: compressed air

Operating Pressure: 2.8–3.2bar

Air consumption: 40 Vmin.

Water Tank: 350 ml

Chuck Diameter: 1.6mm

Lubrication: manual
(special lubricant is provided)

Warranty:

Hydro Air Carver: 12 months
Rotor Cartridge; 6 months

For more information, contact Preat at 1-800-232-7732 or visit preat.com