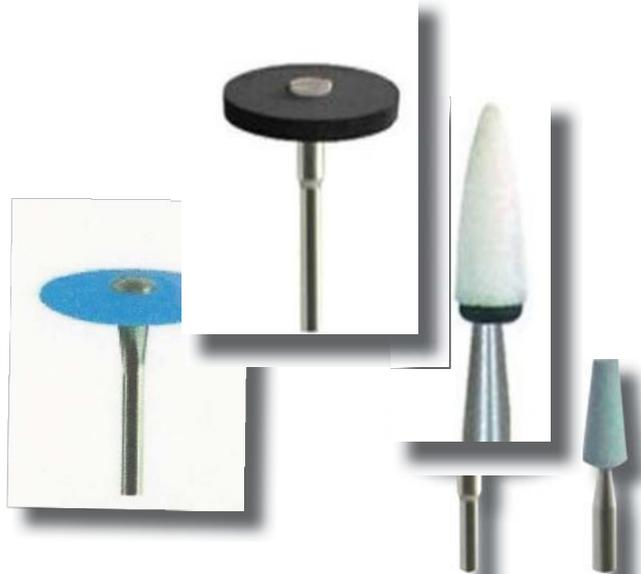


Dental Ventures of America, Inc.  
Presents

*A Simplified  
Dental  
Operatory  
Adjustment and  
Polishing System*



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This booklet is designed as a guide to simplify the finishing, adjusting and polishing of Zirconia and Lithium Disilicate crowns and bridges.

The “Secret Sauce” of the system is a product that was introduced by Dental Ventures of America over six years ago, ZIRCON-BRITE POLISH. Shortly after its introduction, Zircon-Brite was selected as among the “Top Dental Products” of the year for three consecutive years.



This amazing polish has proven to have established a new level of performance efficiency when used to polish all ceramic-type materials, even zirconia.

Based upon the incredible success of DVA’s polish, we have been working very closely with, and following the suggestions of, several dental technicians and dentist customers to make several new products available to the dental industry that provide the type of performance that has proven to **greatly simplify several of their procedures while improving their final results.**

The technicians who have tested these products explained, that while many companies offer differing products to accomplish the ‘jobs’ required of us, none of them are actually very efficient. According to them, the products presented below represent a new standard of performance, and DVA is extremely pleased to introduce them, along with their suggested uses in this simple booklet.

### **CHAIR-SIDE ADJUSTMENTS (For the dentist)**

- **Horizontal/Contact Area Adjustments** Rather than make adjustments of the contact margins with a diamond or other reducing instrument which, while removing material that causes the restoration to seat correctly, they do so by leaving roughness, or scratches that must now be removed. This second operation requires special care not to reduce the horizontal width to the point where contact with the adjacent tooth is lost.



Use of the “**Home Run Wheel**,” eliminates this troublesome procedure as it is aggressive enough to remove material, but it **pre-polishes** the area **simultaneously**; thus, no additional step to remove scratches, etc., is required! Simply polish the reduced surface with Zircon-Brite! **Finito; two simple, fast steps!**



- **Vertical, Occlusal Adjustments** Simply use these stable-running **White Stones** to make any occlusal adjustment required, followed by simply polishing with Zircon-Brite.” **Again, adjustment completed in two, simple steps!**

NOTE: Because of the special abilities of Zircon-Brite, both the ‘**Home Run**’ Wheel and the ‘**Touchdown**’ Disc, as well as the unique character of the ‘pointed stones,’ offer a faster, reduced step procedure, and a new experience in instrumentation for this important pre-polishing procedure!



## POLISHING

As stated above, due to the effectiveness of Zircon-Brite polish, used in combination with these new formula discs, wheels and stones, all that is now required is the use of **Zircon-Brite** to polish any or all segments of your restoration to any degree of value in a matter of seconds.

**SUMMARY:** Depending on the area upon which you are working, use any of the appropriate diamond, wheel, disc or stone discussed & shown above to shape and smooth the surface, and then simply polish with DVA’s Zircon-Brite in about 30 seconds to obtain a smooth, highly polished result in two easy steps! Totally sealed restorations provide increased anti-bacterial adhesion for increased gingival compatibility, as well as prolonged protection against wear of opposing dentition (Please refer to “**POLISHING vs. GLAZING**,” segment below).

Efficiently simple, fast and effective! Increased production with reduced costs, resulting in a totally sealed restoration with predictably increased longevity of function!

A typical Zirconia production cycle might progress as follows: **Shape** with DVA Diamond Instruments – **Pre-polish** with DVA’s ‘**Home Run**’ Wheel or ‘**Touchdown**’ Disc – **Sandblast** – **Glaze** – **Fire** – **Polish** with DVA’s Zircon-Brite!

## POLISHING vs. GLAZING

*In her article, published in the 2013/2014 issue of Dentistry Today, entitled “Focus on: Monolith Crowns,” Dr. Rella Christensen, PhD, who leads TRAC Research Laboratory, which is devoted to clinical research in oral microbiology and dental restorative concepts, offers an insightful summarizing overview of the ongoing impact of monolithic restorations.*

*In the article, Dr. Christensen states that “monolithic crowns, which are made of one, uniform material, are taking over in the U.S. Today, major dental laboratories are reporting orders for lithium disilicate and zirconia restorations higher than for PFM’s.*

*The article asks the question, “Have any clinical cautions been noted?,” which generated the following response, “**It is apparent that the glazes used on both materials will not be long lasting.**” Interestingly, it was reported that as the glaze deteriorates, it becomes rough and imparts increasingly more abrasion to opposing dentition.*

*Dr. Christensen offers a summarizing statement that “**in the future, surfaces will probably be polished rather***

**than glazed.”**

*Page 2 of the June 2014, Vol. 7; Issue 6 publication published and distributed by Clinicians Report, in response to the question, “Should BruxZir and e.max CAD be final polished, or glazed?” states that **“After only six months, it was evident the glazes would not last long.”***

*Al-Wahadni and Martin also offer several statements in the Canadian Dental Association publication, Issue 8: pointing out that “Many ceramists prefer polishing instead of glazing to control the surface lustre.” And **“Rosenthal et al found that the fracture toughness of polished porcelain was greater than that of glazed porcelain.”***

As noted, DVA’s “Zircon-Brite,” a ceramic polish that has been selected among the top dental products for three successive years, provides a very efficient, effective and inexpensive product for polishing lithium disilicate and zirconia restorations.

**NOTE:** Let’s put a photo of our “Dentist Assortment here (with its price) and photos of our Z-B 20-gram jar with its price in this space.

**NOTE:** A version of this booklet is available upon request, which includes all of the products for the utilization of this system for complete dental laboratory contouring, pre-polishing and high shining procedures.

**We need to ADD the DVA Logo**