



Elephant Zirconia Blocks

Strong..and Lovely





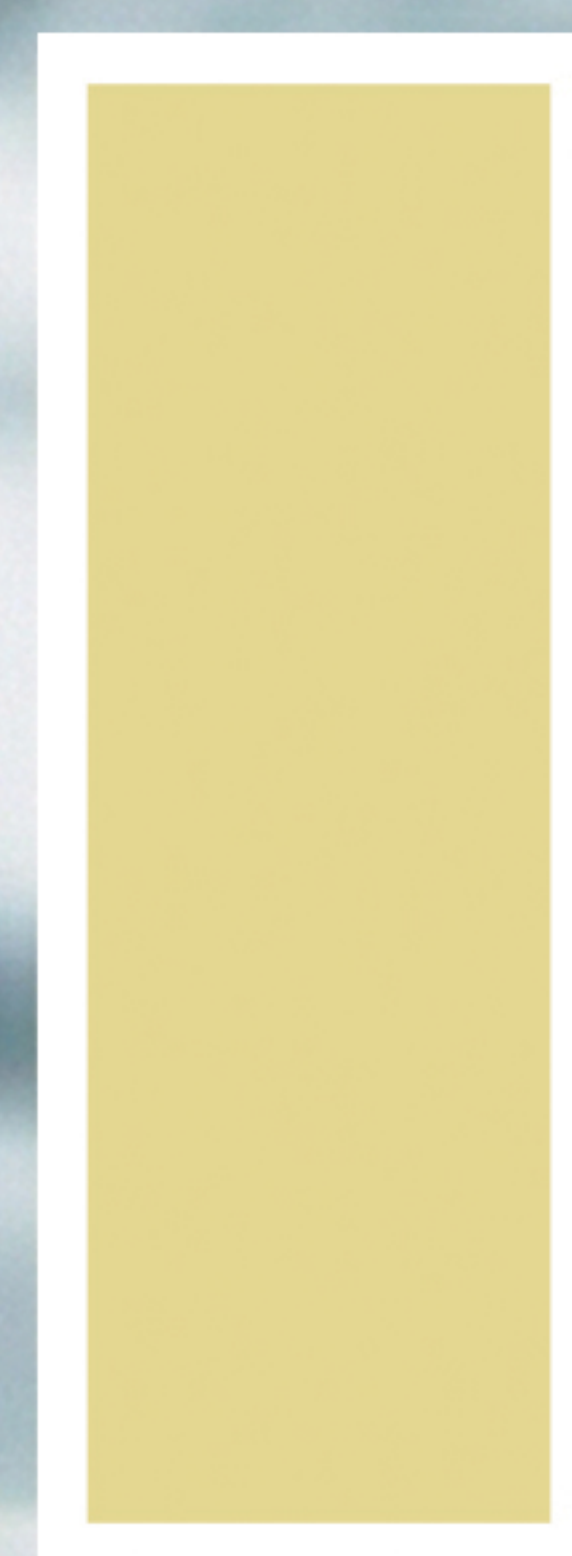
About Elephant Zirconia

Elephant is a premium dental zirconia blocks manufacturer dedicated to providing high-end solutions. Elephant blocks allow dental labs to achieve consistent, lifelike results with maximum efficiency. All products are manufactured under strict global standards (CE, ISO 13485, CFDA).

The Elephant Product Lineup

1) Ele-Shaded (Preshaded Zirconia)

- The economical choice with no need for manual coloring.
- **Strength:** ≈ 1250 MPa.
- **Translucency:** $\approx 43\% - 44\%$.
- **Structure:** Monolithic (Single Color), pre-shaded according to VITA shades.
- **Best For:** Posterior crowns – Cores – long span bridges.



The Elephant Product Lineup

2) Ele-ML (Multilayer Zirconia)

- Perfect balance between aesthetics, strength and price.
- **Strength:** ≈ 1150 MPa.
- **Translucency:** $\approx 43-44\%$.
- **Structure:** 4-layer seamless gradient (gradient in color, not in translucencies).
- **Best For:** Posterior and anterior crowns – 3-unit bridges.



The Elephant Product Lineup

3) Ele-V4 (4D Technology)

- High aesthetics discs with accepted price.
- **Strength:** Intelligent Gradient (750 - 1200 MPa).
- **Translucency:** 44% - 57%.
- **Structure:** 7 layers with smooth color and translucency gradient.
- **Best For:** Everything. From long-span bridges to high-end aesthetic cases.



The Elephant Product Lineup

4) Ele-V5 (5D Technology)

- The flagship of Zirconia discs.
- **Strength:** Intelligent Gradient (1000 MPa – 1350 MPa).
- **Translucency:** Highest in the industry (44% – 57%).
- **Structure:** 8 layers with smooth color and translucency gradient.
- **Best For:** Everything. From long-span bridges to high-end aesthetic cases.










Technical Comparison Table

Product	Layers	Translucency (%)	Strength (MPa)
Ele-Shaded	1 Preshade	43% - 44%	1250
Ele-ML	4 Layers	43% - 44%	1150
Ele-V4	7 Layers	44% - 57%	750 - 1200
Ele-V5	8 Layers	44% - 57%	1000 - 1350



INDICATION OVERVIEW

Product	Anterior crown & Bridge 	Posterior crown 	Inlay & Onlay 	Cores 
Ele-Shaded	○ ○	○ ●	○ ●	● ●
Ele-ML	○ ●	○ ●	● ●	○ ●
Ele-V4	● ●	○ ●	○ ●	○ ●
Ele-V5	● ●	● ●	● ●	● ●

Product	Posterior 3 units bridge 	Long span bridge 	Full-arch bridge 
Ele-Shaded	○ ●	○ ●	○ ●
Ele-ML	○ ●	○ ○	○ ○
Ele-V4	● ●	● ●	● ●
Ele-V5	● ●	● ●	● ●

Indication Level

- ○ Not Indicated
- ● Indicated
- ● Highly Indicated

Why choose elephant zirconia ?

✔ 1- Efficiency

Our Ele-Shaded and Ele-ML zirconia series eliminate manual coloring, providing good quality with cost effective pricing.

✔ 2- Smart Gradient

Advanced powder-pressing technology provides a smooth, natural shade transition with no visible layering lines, delivering highly esthetic and predictable restorations.

✔ 3- Bur Protection

Elephant zirconia blocks are optimized for easier milling. Before sintering, the block density is around 3.15 g/cm^3 , which reduces milling stress and bur wear. After sintering, the material densifies to 6.1 g/cm^3 , giving excellent strength and durability without compromising bur life.



Why choose elephant zirconia ?

✔ 4- Vita Shade Accuracy

Accurate and consistent shading based on the VITA shade system for reliable and predictable esthetic results.

✔ 5- Radioactivity & Safety


Elephant zirconia is completely safe and non-radioactive, offering clear radiographic visibility while fully complying with modern medical and dental safety standards.

✔ 6- High Chemical Stability


Elephant zirconia demonstrates excellent chemical stability, allowing it to effectively resist saliva, oral fluids, and chemical challenges in the oral environment, ensuring long-term durability and color stability.






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