

# CAD/CAM

## PRODUCTS



**PROCERA®**



**LAVA™**

<b>Indications</b>	Full coverage crowns anywhere in the mouth. Alumina for single units and Zirconia for multiple units	Full coverage crowns and 3-4 units bridges anywhere in the mouth
<b>Features /Benefits</b>	All-ceramic Any position in the mouth Reduced opposing wears Accurate fit Natural strength and beauty Biocompatible More than 2million delivers	All-ceramic Outstanding stability Biocompatible Excellent aesthetics Ideal for 3-4 unit bridges Preparation similar to PFM 8 shade for more natural look 1500+ cases & 150 bridges studied
<b>Preparation</b>	Chamfer margin design. 1.2mm Min. at the margin. 1.5-2.0mm Reduction at incisal, facial lingual	Shoulder or Chamfer margin design 1.2mm Min. at the margin. 1.5-2.0 mm reduction at incisal, facial lingual
<b>Cementation</b>	Resin cement, dual-curing luting Cement, or Zinc phosphate cement Or enamel-dentin adhesive bonding system	Resin cement, dual-curing luting cement, or Zinc phosphate cement or enamel-dentin adhesive bonding system
<b>Composition</b>	Aluminous oxide or Zirconia core Layered with porcelai	Zirconia core
<b>Physical Properties</b>	<ul style="list-style-type: none"> <li>a. Flexural strength 601 MPa ± 73 MPa</li> <li>b. Fracture toughness 4.48 MPa mL/2</li> <li>c. COTE</li> <li>d. Density</li> <li>e. Fracture load 225 kg</li> <li>f. Modulus of elasticity</li> <li>g. Melting point</li> <li>h. Grain size</li> <li>i. Wear on opposing 60 µm</li> <li>j. Vickers hardness</li> </ul>	<ul style="list-style-type: none"> <li>&gt;1100 MPa</li> <li>10 ppm</li> <li>6.08 g/cm<sup>3</sup></li> <li>210 GPa</li> <li>2700 °C</li> <li>0.5 µm</li> <li>1250</li> </ul>
<b>Proven Success in-mouth</b>	10 years	4 years
<b>In-Lab Time</b>	10 days	10 days
<b>Other Products Offered</b>	IPS Empress®, Wol-Ceram®, Sinfony®, Captek™, PFM, FCC, Implants, Acrylic dentures, Acrylic/Metal partials and Valplast® flexible partial.	