# D&S DENTAL LABORATORY - CROWN COMPARISON SHEET

<table>
<thead>
<tr>
<th>RESTORATION</th>
<th>TYPE</th>
<th>INDICATIONS</th>
<th>CONTRA INDICATIONS</th>
<th>ADVANTAGES</th>
<th>DISADVANTAGES</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lava™ Veneered with Porcelain</td>
<td>Single Units</td>
<td>• Limited Clearance</td>
<td>• “Cadillac” of All-Ceramic&lt;br&gt;• Highest Strength Substructure Other than Metal&lt;br&gt;• Translucency &amp; Color&lt;br&gt;• CAD/CAM Fit &amp; Accuracy</td>
<td>Possibility of Porcelain Fractures</td>
<td></td>
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<tr>
<td>Lava™ Veneered with Porcelain</td>
<td>Multi-Unit Bridges</td>
<td>Anywhere with Sufficient Clearance (1.5 mm)</td>
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<tr>
<td>Lava™ Veneered with Porcelain</td>
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<tr>
<td>Lava™ Veneered with Porcelain</td>
<td>• First zirconia with inherent, toothlike fluorescence&lt;br&gt;• Excellent shade match to VITA® Classic shades&lt;br&gt;• High translucency&lt;br&gt;• High strength</td>
<td>Bridges over 3 units</td>
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<td>Lava™ Veneered with Porcelain</td>
<td>Limited Clearance</td>
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<td>Lava™ Veneered with Porcelain</td>
<td>• Translucency &amp; Color&lt;br&gt;• CAD/CAM Fit &amp; Accuracy</td>
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<td>Lava™ Veneered with Porcelain</td>
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<td>Lava™ Veneered with Porcelain</td>
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<td>Lava™ Veneered with Porcelain</td>
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<td>RESTORATION</td>
<td>LAB TIME</td>
<td>STRENGTH</td>
<td>ESTHETICS</td>
<td>CEMENT</td>
<td>RECOMMENDED USE</td>
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<tr>
<td>Lava™</td>
<td>8</td>
<td>High</td>
<td>Excellent</td>
<td>RMGI</td>
<td>The “Cadillac” of all-ceramic restorations. Lava is a highly esthetic restoration for anterior cases, but can be used for any indication with at least 1.5 mm of clearance.</td>
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<tr>
<td>Lava™ Esthetic</td>
<td>6</td>
<td>High</td>
<td>Excellent</td>
<td>3M RelyX™ Unicem 2 Self-Adhesive Resin Cement recommended</td>
<td>Lava Esthetic is the first zirconia with inherent, toothlike fluorescence for your high-esthetic full-contour crown and bridge cases. It requires 0.8 mm of clearance.</td>
<td></td>
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<tr>
<td>ZR Plus™ with Micro Layering</td>
<td>8</td>
<td>High</td>
<td>Good +</td>
<td>RMGI</td>
<td>ZR Plus with Micro Layering provides the high strength of full-contour Zirconia (ZR &amp; ZR Plus) with higher esthetic results achieved by veneering porcelain on the facial. The crown is designed to full-contour &amp; then “cut back.” The risk of porcelain fracture is greatly reduced. This is also an ideal anterior restoration for bruxers or grinders.</td>
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<tr>
<td>ZR Plus™</td>
<td>6</td>
<td>High</td>
<td>Good</td>
<td>RMGI</td>
<td>The ZR Plus is a more esthetic version of the ZR. This product still provides high strength and shade matches with the Vita shade guide are very accurate.</td>
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<tr>
<td>ZR™</td>
<td>6</td>
<td>High</td>
<td>Good</td>
<td>RMGI</td>
<td>The ZR is best utilized for posterior indications. Both single-unit and multi-unit bridges can be fabricated. First and second molars with limited clearance are ideal indications for this crown as it can be fabricated with as little as 0.7 mm of clearance.</td>
<td></td>
</tr>
<tr>
<td>ZR-V™</td>
<td>6</td>
<td>High</td>
<td>Fair</td>
<td>RMGI</td>
<td>The ZR-V is best used for posterior indications. Both single-unit and multi-unit bridges can be fabricated. First and second molars with limited clearance are ideal indications for this crown as it can be fabricated with as little as 0.7 mm of clearance.</td>
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<tr>
<td>Imagine™</td>
<td>6</td>
<td>High</td>
<td>Excellent</td>
<td>Any</td>
<td>Imagine is a highly translucent crown that is best used for single to three-unit, anterior restorations. Bridges and posterior restorations require as little as .7 mm clearance.</td>
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<tr>
<td>e.max®</td>
<td>8</td>
<td>Moderate</td>
<td>Excellent</td>
<td>Any</td>
<td>e.max is a highly translucent, esthetic crown that is best used for single unit, anterior restorations. Bridges and posterior with minimal clearance should be avoided. If preps are not completely rounded, or if &lt; 1.5 mm of clearance, the chance of fracture greatly increases.</td>
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<tr>
<td>Empress®</td>
<td>8</td>
<td>Weak</td>
<td>Excellent</td>
<td>Resin</td>
<td>Empress is an extremely translucent, esthetic restoration that has very minimal strength. It should only be used for single unit anterior cases, and it is best suited for veneers.</td>
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<tr>
<td>PFM</td>
<td>8</td>
<td>High</td>
<td>Good</td>
<td>Any</td>
<td>PFM are still the go-to crown for many offices, and they can be used for any indication as long as there is sufficient clearance. Lack of clearance or improper prep will lead to porcelain fractures.</td>
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<tr>
<td>FCC</td>
<td>6</td>
<td>High</td>
<td>Poor</td>
<td>Any</td>
<td>FCCs are best suited to molars with very limited clearance; however, cost due to metal prices can be a deterrent as are esthetics. Most posterior restorations are now fabricated from the ZR.</td>
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</tbody>
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