**Anterior Chairside Preparation Guide**

**Veneers**
A medium grit, round-ended, diamond bur is used to remove a uniform thickness of facial enamel by joining the depth-cut grooves.

**Thin Veneers**
IPS e.max can be pressed to as thin as 0.3 mm for veneers. If sufficient space is present, IPS e.max can be placed over the existing teeth without the removal of any tooth structure. Depending on the case requirements, however, some teeth may need to be prepared to accommodate for the thickness of the ceramic and to ensure for proper contour and emergence profile.

**For IPS e.max® indications**

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<thead>
<tr>
<th></th>
<th>IPS e.max Ceram/ZirPress</th>
<th>IPS e.max ZirCAD</th>
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<td>Anterior</td>
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<td>Veneer</td>
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<td>Bridge</td>
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**Full-Coverage Restorations**

**ANTERIOR CROWN PREPARATION**

- Shoulder margin
- 1.0 mm reduction at the gingival margin
- 1.0 mm to 1.5 mm facial reduction
- 1.5 mm to 2.0 mm incisal reduction
- 1.5 mm lingual contact clearance
- Rounded internal line angles
- Football-shaped finishing bur for lingual reduction

**3-Unit Bridge Restorations**

**3-UNIT BRIDGE PREPARATION**

- Shoulder margin
- 1.0 mm reduction at the gingival margin
- 1.5 mm axial reduction
- 1.5 mm to 2.0 mm incisal reduction
- Rounded internal line angles
- Shoulder margin

*Please note: For additional masking capabilities and/or layering techniques, further reduction may be necessary. Contact your laboratory for further information.*
Inlays/Onlays

**INLAY PREPARATION**

- Shoulder margin
- Rounded internal line angles
- 1.5 mm to 2.0 mm isthmus width
- 1.0 mm- to 1.5 mm-wide gingival floor
- 1.5 mm-depth at isthmus

**ONLAY PREPARATION**

- Shoulder margin
- Occlusal reduction of 1.5 mm to 2.0 mm
- 1.0 mm to 1.5 mm-wide gingival floor
- 1.0 mm reduction at the gingival margin
- 1.5 mm to 2.0 mm occlusal reduction

3-Unit Bridge Restorations

**3-UNIT BRIDGE PREPARATION**

- Shoulder margin
- Rounded internal line angles
- 1.5 mm axial reduction
- Occlusal reduction of 1.5 mm to 2.0 mm

Full-Coverage Restorations

**POSTERIOR CROWN PREPARATION**

- Shoulder margin
- Rounded internal line angles
- 1.5 mm axial reduction
- 1.5 mm to 2.0 mm occlusal reduction
- 1.0 mm reduction at the gingival margin

**CONVENTIONAL CEMENTATION PREPARATION**

- Shoulder preparation of at least 1.0 mm proximal reduction
- Taper between 4° and 8°
- Occlusal reduction of at least 2.0 mm in contact area
- Coronal length at least 4.0 mm

When layered or pressed ceramic margins are preferred in conjunction with a zirconia framework, enhanced gingival esthetics can be achieved with a definitive 90 degree shoulder preparation.

www.ivoclarvivadent.com

Call us toll free at 1-800-533-6825 in the U.S., 1-800-263-8182 in Canada.

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