### All-Ceramic Chairside Preparation Guide for IPS Empress® and IPS e.max®

#### For IPS e.max® restorations

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#### For IPS Empress® restorations

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### Anterior Chairside Preparation Guide

#### Full-Coverage Restorations

**Anterior Crown Preparation**

- **Butt joint margin**
- **1.0-mm reduction at gingival margin**
- **1.0-mm to 1.5-mm facial reduction**
- **1.5-mm lingual contact clearance**
- **1.5-mm to 2.0-mm incisal reduction**
- **Football-shaped finishing bur**

#### 3-Unit Bridge Restorations

**3-Unit Bridge Preparation**

- **Butt joint margin**
- **Rounded internal line angles**
- **1.0-mm reduction at gingival margin**
- **1.5-mm axial reduction**
- **1.5-mm to 2.0-mm incisal reduction**

### Veneers

**Veneer Preparation**

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

**Incisal Preparation**

The diamond bur is angled to bevel back the incisal edge.

**Chamfer Margins**

Correct preparation of the chamfer margins interproximally allows the appropriate bulk of porcelain.

*Please note: For additional masking capabilities and/or layering techniques, further reduction may be necessary. Contact your laboratory for further information.*
All-Ceramic
Chairside Preparation Guide for IPS Empress® and IPS e.max®

**Posterior Chairside Preparation Guide**

### Inlays/Onlays

**INLAY PREPARATION**
- 1.5-mm to 2.0-mm isthmus width
- Butt joint margin
- Rounded internal line angles
- 1.0-mm to 1.5-mm wide gingival floor
- 1.5-mm depth at isthmus

**ONLAY PREPARATION**
- 1.0-mm to 1.5-mm wide gingival floor
- Butt joint margin
- Rounded internal line angles
- 1.5-mm to 2.0-mm isthmus width

### 3-Unit Bridge Restorations

**3-UNIT BRIDGE PREPARATION**
- 1.5-mm to 2.0-mm occlusal reduction
- Rounded internal line angles
- 1.5-mm axial reduction
- 1.0-mm reduction at the gingival margin

### Full-Coverage Restorations

**POSTERIOR CROWN PREPARATION**
- 1.5-mm to 2.0-mm occlusal reduction
- Rounded internal line angles
- 1.5-mm axial reduction
- 1.0-mm reduction at the gingival margin
- A flat-ended tapered diamond bur is utilized to establish a butt joint margin.

**CONVENTIONAL CEMENTATION PREPARATION**
- Taper between 4° and 8°
- Shoulder preparation of at least 1.0-mm proximal reduction
- 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

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