**Anterior Chairside Preparation Guide**

### Full-Coverage Restorations

**ANTERIOR CROWN PREPARATION**

- **Butt joint margin**
- **1.0-mm reduction at gingival margin**
- **1.5-mm lingual contact clearance**
- **1.5-mm to 2.0-mm incisal reduction**

**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.

### 3-Unit Bridge Restorations

**3-UNIT BRIDGE PREPARATION**

- **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**

**IPS Empress**

- Anterior
- Crown

**IPS e.max®**

- Anterior
- Crown
- Veneer
- Bridge
- Posterior
- Crown
- Bridge
- Inlay/Onlay

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*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**

- **Butt joint margin**
- **Rounded internal line angles**

**ONLAY PREPARATION**

- **1.0-mm to 1.5-mm width gingival floor**
- **Rounded internal line angles**
- **1.5-mm depth at isthmus**

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**3-UNIT BRIDGE PREPARATION**

- **1.5-mm to 2.0-mm isthmus width**
- **1.0-mm to 1.5-mm wide gingival floor**

**Full-Coverage Restorations**

**POSTERIOR CROWN PREPARATION**

- **1.5-mm to 2.0-mm occlusal reduction**
- **1.5-mm axial reduction**

**CONVENTIONAL CEMENTATION PREPARATION**

- **1.5-mm reduction at the gingival margin**
- **1.0-mm reduction at the gingival margin**
- **A flat-ended tapered diamond bur is utilized to establish a butt joint margin.**

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.