**General Tips for Finishing and Polishing High-Strength Ceramics**

- Electric handpieces provide accurate speed control and consistent torque, which are critical when adjusting and polishing high-strength ceramics.
- Speed control and light hand pressure reduce heat generation and minimize microfractures.

**Handpiece Selection:**

**Tip for In-Office Milling (Cerec®*/E4D®*)**

- Blue state (pre-crystallized)

Pre-polishing prior to crystallization will ensure a smooth surface underneath the glaze, increasing the durability and life of the restoration.

**Lithium Disilicate (IPS e.max®*)**

*Not a registered trademark of Ultradent Products, Inc.

Jiffy Natural Universal intraoral polishing wheels are used for final intraoral polishing on all areas.

**Jiffy® Universal ceramic polishers are formulated to polish all high-strength ceramics in a simple two-step system.**

**Jiffy Natural Universal intraoral polishing wheels are used for final intraoral polishing on all areas.**

**Intraoral Polishing**

**STEP 1**

- **4109 Jiffy® RA Fine Universal Point**
  - Light Orange
- **4235 Jiffy® RA Fine Universal Cup**
  - Light Orange
- **6084 Jiffy® RA Fine Natural Universal**
  - 14 mm Wheel
  - Light Orange

- **4108 Jiffy® RA Medium Universal Point**
  - Dark Orange
- **4234 Jiffy® RA Medium Universal Cup**
  - Dark Orange
- **6083 Jiffy® RA Medium Natural Universal**
  - 14 mm Wheel
  - Dark Orange

- **Use Jiffy RA Medium Universal Point intraorally to pre-polish on occlusal and labial surfaces.**
  - Recommended Speed: 5,000–7,000 RPM
- **Use Jiffy RA Medium Universal Cup intraorally to pre-polish on cusp, labial, buccal, and cervical areas.**
  - Recommended Speed: 5,000–7,000 RPM

**STEP 2**

- **4109 Jiffy® RA Fine Universal Point**
  - Light Orange
- **4235 Jiffy® RA Fine Universal Cup**
  - Light Orange
- **6084 Jiffy® RA Fine Natural Universal**
  - 14 mm Wheel
  - Light Orange

- **4108 Jiffy® RA Medium Universal Point**
  - Dark Orange
- **4234 Jiffy® RA Medium Universal Cup**
  - Dark Orange
- **6083 Jiffy® RA Medium Natural Universal**
  - 14 mm Wheel
  - Dark Orange

- **Use Jiffy RA Fine Universal Point intraorally to create final polish on occlusal and labial surfaces.**
  - Recommended Speed: 5,000–7,000 RPM
- **Use Jiffy RA Fine Universal Cup intraorally to create final polish on cusp, labial, buccal, and cervical areas.**
  - Recommended Speed: 5,000–7,000 RPM

**WARNING:** Do not use Jiffy Natural Universal polishing wheels to polish the labial surface near the gingival line. This can tear the gingiva.

**Jiffy Universal Finishing System**

Ultradent’s Jiffy Universal System is a universal finishing system for all ceramics, including zirconia. All of the adjusters and polishers in the Jiffy Universal System work interchangeably on porcelain, lithium disilicate, and zirconia.

**Jiffy Natural Universal Polishing System**

The Jiffy Universal System consists of malleable spiral-shaped wheels that are designed to easily conform to tooth anatomy. Their pliable finger-like extensions easily reach where cups and points can’t, and soften super high gloss finishes for a natural enamel-like result. They are designed to be used in conjunction with the Jiffy Universal finishing system to easily achieve a natural, high-quality finish on all ceramic restorations. These diamond-impregnated wheels are available in extraoral and intraoral designs in both medium and fine grits. This efficient two-step process allows you to easily achieve the most natural finish on any ceramic restoration including zirconia, lithium disilicate, and porcelain.

**The Universal Solution for a Naturally Esthetic Finish**

A natural, esthetic finish is essential for any ceramic restoration, particularly zirconia. The Jiffy Universal finishing system and the Jiffy Natural Universal finishing system work together to create restorations with a lasting finish that re-creates the look of natural enamel.

**Jiffy Universal Finishing System**

**Handpiece Selection:**

- Electric handpieces provide accurate speed control and consistent torque, which are critical when adjusting and polishing high-strength ceramics.
- Speed control and light hand pressure reduce heat generation and minimize microfractures.

**Tip for In-Office Milling (Cerec®*/E4D®*)**

- Blue state (pre-crystallized)

Pre-polishing prior to crystallization will ensure a smooth surface underneath the glaze, increasing the durability and life of the restoration.

**Tips for Polishing**

- The objective of polishing high-strength ceramics is to obtain a highly polished surface to minimize opposing dentition wear.

**Jiffy Universal Finishing System**

Ultradent’s Jiffy Universal System is a universal finishing system for all ceramics, including zirconia. All of the adjusters and polishers in the Jiffy Universal System work interchangeably on porcelain, lithium disilicate, and zirconia.

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The Jiffy Universal Intra-Oral Adjusting and Polishing Kit is designed for finishing ceramic restorations intraorally.

**Adjusting Tips for Grinders**
- Coarse diamond instruments and traditional abrasive stones can generate high heat, causing microfractures, and are therefore not recommended
- Use light hand pressure
- Recommended speed: 8,000–12,000 RPM

**Polishing Tips for Polishers**
- Use light hand pressure
- Reduce speed with each polishing step to achieve an ultra-smooth surface
- Recommended speed: 7,000–10,000 RPM

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**Extraoral Polishing**

**Jiffy® Natural Universal Extra-Oral Polishing Kit (Item 6081)**

The Jiffy Natural Universal extraoral polishing wheels are used to safely and efficiently polish ceramic restorations before they are placed intraorally.

**Polishing Tips for Jiffy Natural Universal Extraoral Polishing Wheels**
- Use Jiffy Natural Universal wheels to safely and efficiently polish all surfaces
- Recommended speed: 4,000–8,000 RPM

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**Extraoral Adjusting**

**Jiffy® Universal Coarse Grinders**
- 4238 Jiffy® Coarse Grinder Wheel (Green)
- 4239 Jiffy® Coarse Grinder Taper (Green)

**Jiffy® Universal Medium Grinders**
- 4241 Jiffy® Medium Grinder Wheel (Yellow)
- 4242 Jiffy® Medium Grinder Taper (Yellow)

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**Jiffy® HP Universal Wheels**

- Designed to be used on axial walls, proximal contacts, and cusp areas.

**Extraoral Polishing**

**Jiffy® HP Universal Wheels**
- 4236 Jiffy® HP Medium Universal Wheel (Dark Orange)
- 4237 Jiffy® HP Fine Universal Wheel (Light Orange)

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**Adjusting Tips for Jiffy Universal Diamonds**
- Coarse diamond instruments can generate high heat, causing microfractures, and are therefore not recommended
- Use light hand pressure

**Polishing Tips for Jiffy Universal Polishers**
- Use light hand pressure
- Reduce speed with each polishing step to achieve an ultra-smooth surface
- Recommended speed: 15,000–20,000 RPM

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**Extraoral Polishing**

**Jiffy® Natural Universal Extra-Oral Polishing Kit (Item 6080)**

Jiffy Natural Universal extraoral polishing wheels are used for final extraoral polishing on occlusal surfaces to give all of your ceramic restorations the most natural, highest quality finish.

**Polishing Tips for Jiffy Natural Universal Extraoral Polishing Wheels (See next page)**
- **WARNING:** Do not use Jiffy Natural universal polishing wheels to polish the labial surface near the gingival line. This can tear the gingiva.
- Use Jiffy Natural Universal wheels in conjunction with the Jiffy Universal cups to safely and efficiently polish surfaces near the gingiva
  - Use Jiffy Natural Universal wheels for occlusal surfaces
  - Use Jiffy Universal cups to polish labial surfaces around the gingival line
- Recommended speed: 5,000–7,000 RPM

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**Intraoral Adjusting**

Specifically designed particles of hybrid diamonds adjust all ceramics and minimize heat generation.

**Jiffy® Universal Intra-Oral Adjusting and Polishing Kit (Item 4019)**

The Jiffy Universal Intra-Oral Adjusting and Polishing Kit is designed for finishing ceramic restorations intraorally.

**Adjusting Tips for Jiffy Universal Diamonds**
- Coarse diamond instruments can generate high heat, causing microfractures, and are therefore not recommended
- Use light hand pressure

**Polishing Tips for Jiffy Universal Polishers**
- Use light hand pressure
- Reduce speed with each polishing step to achieve an ultra-smooth surface
- Recommended speed: 4,000–10,000 RPM

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**Extraoral Polishing**

**Jiffy® Natural Universal Intra-Oral Polishing Kit (Item 6080)**

Jiffy Natural Universal intraoral polishing wheels are used for final intraoral polishing on occlusal surfaces to give all of your ceramic restorations the most natural, highest quality finish.

**Polishing Tips for Jiffy Natural Universal Intraoral Polishing Wheels (See next page)**
- **WARNING:** Do not use Jiffy Natural universal polishing wheels to polish the labial surface near the gingival line. This can tear the gingiva.
- Use Jiffy Natural Universal wheels in conjunction with the Jiffy Universal cups to safely and efficiently polish surfaces near the gingiva
  - Use Jiffy Natural Universal wheels for occlusal surfaces
  - Use Jiffy Universal cups to polish labial surfaces around the gingival line
- Recommended speed: 5,000–8,000 RPM

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**Intraoral Polishing**

**Jiffy® Natural Universal Intra-Oral Polishing Kit (Item 6080)**

Jiffy Natural Universal intraoral polishing wheels are used for final intraoral polishing on occlusal surfaces to give all of your ceramic restorations the most natural, highest quality finish.

**Polishing Tips for Jiffy Natural Universal Intraoral Polishing Wheels (See next page)**
- **WARNING:** Do not use Jiffy Natural universal polishing wheels to polish the labial surface near the gingival line. This can tear the gingiva.
- Use Jiffy Natural Universal wheels in conjunction with the Jiffy Universal cups to safely and efficiently polish surfaces near the gingiva
  - Use Jiffy Natural Universal wheels for occlusal surfaces
  - Use Jiffy Universal cups to polish labial surfaces around the gingival line
- Recommended speed: 5,000–8,000 RPM

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**Intraoral Adjusting**

Specifically designed particles of hybrid diamonds adjust all ceramics and minimize heat generation.

**Jiffy® Universal Extra-Oral Adjusting and Polishing Kit (Item 4018)**

The Jiffy Universal Extra-Oral Adjusting and Polishing Kit is designed for finishing ceramic restorations before intraoral placement.

**Adjusting Tips for Grinders**
- Coarse diamond instruments and traditional abrasive stones can generate high heat, causing microfractures, and are therefore not recommended
- Use light hand pressure
- Recommended speed: 8,000–12,000 RPM

**Polishing Tips for Polishers**
- Use light hand pressure
- Reduce speed with each polishing step to achieve an ultra-smooth surface
- Recommended speed: 7,000–10,000 RPM

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**Extraoral Adjusting**

**Jiffy® Universal Coarse Grinders**
- (Green) are recommended for grinding down sprues and gross adjustment.

**Jiffy® Universal Medium Grinders**
- (Yellow) are designed for adjustments of lithium disilicate, zirconia, and feldspathic porcelain.

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**Jiffy® HP Universal Wheels**

- Designed to be used on all areas.

**Extraoral Polishing**

**Jiffy® HP Medium Natural Universal 26 mm Wheel (Dark Orange)**

**Jiffy® HP Fine Natural Universal 26 mm Wheel (Light Orange)**

Recommended speed: 4,000–10,000 RPM