## CEREC and E4D Feature Comparison (Continued)

<table>
<thead>
<tr>
<th>Feature</th>
<th>CEREC AC with CEREC MCXL Mill</th>
<th>E4D Dentist with Rapid Scan</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Software</strong></td>
<td>Windows-based software (Cerec 3D)</td>
<td>Windows-based software (Dentalogic)</td>
</tr>
<tr>
<td><strong>Input Devices</strong></td>
<td>Keyboard and trackball</td>
<td>Keyboard (soft touch) and wireless mouse</td>
</tr>
<tr>
<td><strong>Technology</strong></td>
<td>Blue light emitting diode (LED) using “active triangulation” technique</td>
<td>Red laser using “laser triangulation” technique</td>
</tr>
<tr>
<td><strong>Capture Modes</strong></td>
<td>Manual and automatic (customizable level of tolerance)</td>
<td>Manual and automatic (customizable level of tolerance)</td>
</tr>
<tr>
<td><strong>Type of Scans</strong></td>
<td>Intraoral or cast</td>
<td>Intraoral, cast, or impressions</td>
</tr>
<tr>
<td><strong>Ergonomics</strong></td>
<td>Excellent–Good</td>
<td>Excellent</td>
</tr>
<tr>
<td><strong>Orientation of Scanner</strong></td>
<td>Occlusal scans: does not capture data below height of contour, but leads to faster processing times due to minimal number of captured images (i.e. 1–3 scans)</td>
<td>Occlusal, facial, and lingual scans: captures data on all areas of tooth, but leads to slower processing times due to greater number of captured images (i.e. 9–12 scans)</td>
</tr>
<tr>
<td><strong>Contrast/Reflective Agent</strong></td>
<td>Required (powder, spray, or liquid)</td>
<td>Not required but helpful on preparation margins and enamel (liquid)</td>
</tr>
<tr>
<td><strong>Image Quality</strong></td>
<td>Excellent</td>
<td>Excellent–Good</td>
</tr>
<tr>
<td><strong>Marking Tools / Margin Identification</strong></td>
<td>Multiple methods (automatic, manual)</td>
<td>Multiple methods (paint, trace, lasso)</td>
</tr>
<tr>
<td><strong>Manual Correction Tools</strong></td>
<td>Yes (edit margin)</td>
<td>Yes (add segments, move margin)</td>
</tr>
<tr>
<td><strong>Indications</strong></td>
<td>Crown, inlay, onlay, veneer, provisional bridge</td>
<td>Crown, inlay, onlay, veneer (see below*)</td>
</tr>
<tr>
<td><strong>Modes</strong></td>
<td>Standard (limited tools), master (full range of tools)</td>
<td>Single mode provides a full range of tools</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Dental database with Biogenic, correlation, replication (crown and veneer only), or articulation (crown only)</td>
<td>Dental library with Autogenesis or Pre-op</td>
</tr>
<tr>
<td><strong>Modification of Restoration</strong></td>
<td>Yes, many tools available</td>
<td>Yes, many tools available</td>
</tr>
<tr>
<td><strong>Material Thickness Visualization and Measurement</strong></td>
<td>Yes, based on color and numerical value</td>
<td>Yes, based on color scale and numerical value</td>
</tr>
<tr>
<td><strong>Sprue Positioning</strong></td>
<td>Mill optimized, mesial, distal, buccal, or lingual</td>
<td>Mill optimized or customized to 360° around the height of contour</td>
</tr>
<tr>
<td><strong>Multiple Tooth Design</strong></td>
<td>Quadrant mode: one restoration at a time</td>
<td>Simultaneously, up to 16 restorations at a time</td>
</tr>
<tr>
<td><strong>Savings of Design</strong></td>
<td>Automatic, when prompted</td>
<td>Automatic, after every action</td>
</tr>
</tbody>
</table>

### E4D Dentist with Rapid Scan and Mill

**Stacking Multiple Mill Jobs**
- No, controlled via computer on acquisition unit
- Yes, due to separate dedicated computer on milling unit

**Choice of Ceramic / Polymer Blocks**
- Ivoclar Vivadent: IPS Empress CAD, e.max CAD
- 3M ESPE: Paradigm C, MZ100
- Vita: CAD Temp, Mark II, Triluxe, Triluxe Forte
- Sirona: CEREC blocks
- MERZ: Artegral ImCrown

**Savings of Design**
- Automatic, when prompted
- Automatic, after every action

### Training, Support, and Warranty

**On-location Training**
- Various locations (30 cities in U.S.) for 2 days  
- At E4D University (Richardson, TX) for 2 days

**On-site Training**
- Yes (1 day)  
- Yes (1 day)

**Support Features**
- Customer, mentoring, and remote (Patterson Technology Center with 400 support personnel and www.cerecdoctors.com for a fee)
- Customer, mentoring, and remote (Support on Sight (SOS), Voice Over Internet Support (VOIS), and www.e4dcommunity.com)

**Software Upgrades**
- Free with CEREC Club ($219/month)
- Free within the warranty period

**Warranty**
- 2 years (may purchase extended 3-year warranty)
- 3 years (may purchase extended 5-year warranty)

**Recommended Preventive Maintenance (requires service call)**
- Once/year
- Quarterly (included with warranty)

**Cone Beam Integration**
- Integration with Sirona Galileos Cone Beam for virtual implant and restoration planning
- No

**Bridges**
- Already exists (provisionally only)
- *Summer 2009 (provisionally only)

**Thin Veneers**
- Already exists (~0.3 mm, material dependent)
- *Summer 2009 (0.15 mm, Whisper Thin Veneers)

**Laboratory Network**
- Already exists. Cerec Connect: A dental network that connects dentists owning Cerec units to outside laboratories owning a Cerec inLab mill.
- Mylab Satellite Design Station: Allows distance design and milling in-office or between satellite offices of the same practice.
- E4D Sky: Allows scanning and design to be sent to participating laboratories. (Summer 2009)

**Custom Design Service**
- Available via CEREC Connect
- Service provides assistance from trained DHD designers to design custom restorations

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Features listed above are regularly updated. Confirm desired features prior to purchase.