<table>
<thead>
<tr>
<th>Scanner Type</th>
<th>Size of Scanner Wand Head</th>
<th>Scanner Accuracy (IN MICRONS)</th>
<th>Color Acquisition</th>
<th>Touch Screen</th>
<th>Scanner Tip Infection Control</th>
<th>Surface Spray</th>
<th>Distributors</th>
<th>Unique Features</th>
<th>Benefit Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>3Shape TRIOS Scanner</td>
<td>3D Video / Confocal Imaging / Structured Light</td>
<td>12</td>
<td>3-5 Microns</td>
<td>Yes</td>
<td>Autoclavable</td>
<td>No</td>
<td>Henry Schein, Cad-Blue and Biolase</td>
<td>Real color scans, HD photo, Shade matching, Live bite</td>
<td>Ease of use, Communication features with lab</td>
</tr>
<tr>
<td>iTero Element Scanner</td>
<td>Parallel Confocal</td>
<td>176</td>
<td>10-25 Microns</td>
<td>Yes</td>
<td>Disposable</td>
<td>No</td>
<td>Direct</td>
<td>CDT inspects files and marks margins before manufacturing</td>
<td>Scanner head size, Price, 3M brand</td>
</tr>
<tr>
<td>3M True Definition Scanner</td>
<td>3D Video</td>
<td>8.2</td>
<td>12-23 Microns</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Henry Schein, Benco, and Burkhart</td>
<td>Unlimited cloud storage</td>
<td>Hands-free operation chairside</td>
</tr>
<tr>
<td>Planmeca Emerald Scanner</td>
<td>Laser</td>
<td>9.8</td>
<td>3-5 Microns</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Autoclavable/Cold Sterile</td>
<td>Superior Speed</td>
<td></td>
</tr>
<tr>
<td>CS 3600 Intraoral Scanner</td>
<td>Structured Light</td>
<td>115</td>
<td>20-30 Microns</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Direct and Benco</td>
<td>Can operate from surface tablet</td>
<td></td>
</tr>
<tr>
<td>CEREC Omnicam Scanner</td>
<td>Structured Light</td>
<td>11</td>
<td>23-25 Microns</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Direct - Patterson</td>
<td>Multiple tips for better comfort</td>
<td></td>
</tr>
</tbody>
</table>

**Benefit Highlights:**
- **3Shape TRIOS Scanner:** Unlimited cloud storage, Scanner head size, Price, 3M brand
- **iTero Element Scanner:** Real color scans, HD photo, Shade matching, Live bite
- **3M True Definition Scanner:** CDT inspects files and marks margins before manufacturing
- **Planmeca Emerald Scanner:** Superior Speed
- **CS 3600 Intraoral Scanner:** Can operate from surface tablet, Multiple tips for better comfort
- **CEREC Omnicam Scanner:** First to record in 2D & 3D, Powder free scanning in color, 30 years in scanning
## Motivations for Digital Impressions In your Practice

**WORK BENEFITS**
Identify what is motivating you to go digital with impressions?
- Reduce overhead of consumables - impression material and trays
- Patient satisfaction
- Less chair time
- Faster turnaround times from your lab

**WORK NEEDS**
Identify what needs can be addressed with digital impressions?
- Diagnostics
- More control over impression outcome
- Need to improve current workflow and communication to restorative laboratories
- Rapid case design issue feedback

**TECHNOLOGY EXPERTISE**
What other technology have you incorporated into your practice?
- Digital Radiography
- Electronic patient information
- Paperless practice management
- Consider goals of digital integration and work flows for your practices
- Consider potential IOS learning curves required to advance skill set and expertise as with other digital equipment and workflows

## Equipment Selection & Process Integration

**CLINICAL EVALUATION**
What type of preparation do you prescribe to?
- Shoulders and chamfers are required for success. Are you willing to change design if needed? Tissue management and retraction is needed.
- Laser, retraction pastes, and retraction cord all work well when utilized properly.
- Understand that unlike some impression materials you will need to achieve lateral and apical retraction.

**TECHNOLOGY SELECTION**
Consider Ergonomics and Physical Demands
- It is important to physically hold the different scanning wands to look at ergonomics and comfort
- Each IOS has a different footprint. Wheeled carts, laptops, attachment to chair mount
- Envision the scanner in Your Operatory and accessibility to electric outlets, dental chair & evacuation. Which system will fit best in your environment?

**LEVERAGE TRAINING OPPORTUNITIES**
Take advantage of training offered by the IOS Manufacturers.

Identify a champion within your clinical staff
- It is important to have a leader that provides excitement and encouragement to participants to be lifelong learners and see training as an opportunity.

## Training & Support

**DIGITAL SUPPORT**
Consider the ongoing support and training available with your restorative laboratory.

What user communities are available for support and advice?

What online resources are available to assist you in advancing your knowledge and skill set with the technology and software?