

Cadent-iTero: Digital Scanning For Perfect Impressions

Digital technology ensures a more accurate impression from the start, designed to result in better-fitting restorations including crowns, bridges, veneers, inlays, onlays and implant abutments, from single units to full arches. The iTero intraoral scanner from Cadent is synonymous with high precision. Its parallel confocal imaging technology uses optical and laser scanning to achieve highly accurate images without powder or complicated hovering. iTero delivers speed, reliability, intuitive operations and outstanding visualization capabilities, allowing you to communicate seamlessly with Precision Dental Laboratories' CAD/CAM systems.

The benefits of using the iTero system are many.

For the Dentist:

- Excellent accuracy with no distortion from patient movement during set, removal of impression prior to thorough set, or disinfection following set
- Onscreen visualization and real-time feedback allows for immediate adjustment to create the ideal impression the first time

For the Patient:

- A more comfortable impression experience
- Fewer repeat appointments
- Less time in the dental chair

For Precision Dental Labs:

- A more accurate impression, essential for a good restoration
- Contaminate-free model provides for technician peace of mind
- Increased productivity by reducing costly re-impressions

A digital scan performed with iTero is designed to be digitally perfect. This level of precision eliminates the need to re-impress patients and significantly reduces remakes. Removing the imprecision that is intrinsic to conventional impression methods allows you to deliver consistently good work.

Creating A Perfect Impression With iTero

- **The Digital Prescription Form** – enter patient treatment information into the digital prescription form, which is used by Precision Dental Labs to fabricate the requested restoration. Prior to tooth preparation, the opposing dentition can be scanned by the dental assistant.
- **Tooth Preparation and Tissue Management** – as with any restorative procedure, tooth preparation and tissue management with Cadent iTero depends on sound biomechanical and macromechanical principles. The iTero scanner will precisely capture any preparation design of your choice.
- **Scanning** – digital impressions with iTero begin with a single-use imaging shield to ensure maximum infection control for the patient and the office staff. The system will identify the tooth to be scanned and the angle at which to scan through voice and visual commands. Each individual scan is presented in color.
- **Assimilation** – The 3D virtual models of both arches are then previewed on the screen. This process takes less than 30 seconds. It is important to review the model with the patient present to ensure proper retraction allowed for a clear margin and the tooth reduction was adequate.
- **Review** – The scan can be evaluated from any desired viewing position using the software tools. The digital articulator allows you to review the occlusal clearance and make any modifications necessary on the prepared tooth or opposing arch. This simple step ensures that Precision Dental Labs has the appropriate reduction to deliver optimal aesthetics for the restoration type you prescribe.
- **Transmit** – The iTero digital impression system features a dedicated wireless internet connection. A simple mouse click sends the patient's scan data to Precision Dental Laboratories.

Predictable Time Savings

The scanning process with iTero is intuitive and easy. The software guides you at each step with voice and visual prompts. A complete scan takes just 3-5 minutes-about the time required for conventional impression materials to set. And with no time devoted to preparing impression trays or cleaning up, the time savings are predictable. The accuracy of impressions made with iTero means that restorations require minimal adjustment, which delivers another source of predictable time savings.

iTero intraoral scans can enhance the accuracy and precision of your downstream restorative process while reinforcing your reputation as a state-of-the-art practice.