



**SELSE**  
dental laboratory

## **DIGITAL IMPRESSION SCANNERS**

Choosing the Best Scanner for Your Practice

# TAKING THE NEXT STEP IN DIGITAL DENTISTRY

---

Selser Dental Lab was founded over thirty years ago by Charles and Robert Selser with a focus on meeting the evolving challenges of dentistry. In 1986, Charles began his commitment to education with his early involvement with metal-free restorations. Since then, he has focused on digital technologies and has worked with Sirona's CEREC® and 3Shape, as well as the Procera system from Nobel Biocare®. We have seen first-hand at Selser the numerous benefits integrated digital technology can have for a practice's workflow. The rate of dentists across the country choosing to invest in scanners of their own continues to grow. An intraoral scanner will improve communication with labs and reduce inbound transit time and cost, while increasing patient satisfaction due to a more precise fit.

The number of digital scanners currently on the market can be intimidating. We would like to make the process of choosing a scanner as simple as possible. This book provides an overview of six of the main scanners clinicians use. We've gathered this information to help you find the scanner that will fit your practice perfectly.

## Selser Dental Lab is Fully Digitally Ready

To better serve our clinicians, we at Selser have made our own investments. Integrating digital technology has allowed us to improve our workflow efficiency, which translates into money and time save for all our clients, even those who have not yet gone digital. We have eagerly embraced the rapidly advancing technology in this industry and are a fully digitally ready lab. We accept digital impressions from all major scanners, including the six we have included in this eBook. We want to serve as your resource for valuable, unbiased education on this topic. This eBook will help you find the scanner that best fits the needs of your practice. Our goal is to help make purchasing a scanner as easy and stress-free as possible.



# HOW TO FIND YOUR SCANNER

---

We want you to make this decision fully informed and have compiled a list of questions to keep in mind as you read through this eBook.



## Does this scanner offer an open or closed system?

An open system allows you to work with any lab no matter their digital system. A closed system requires a lab that uses the same system.

## Are there options or modules that can be added later for further investment?

Many scanners have additional features that can be purchased later on.

## Will this scanner work well with various treatments popular at your practice?

If you see a lot of patients interested in orthodontic treatments you may want to look for scanners that can also be used for those types of impressions.

## Are there data fees included with purchase?

Some scanners do not include data fees with purchase, but other scanners may cover them for up to a year.

## Is powder application required?

More intraoral scanners are coming on the market that do not require powder application in order to take an impression.

## Does the scanner allow you to rescan easily and fill in missing data?

A scanner that allows for continuous rescanning and finds missing data points automatically reduces chair time and the need for additional patient visits.

## What type of warranty comes with this scanner?

Every scanner in this eBook is covered by varying lengths of manufacturer warranty.



## 3M™ True Definition Scanner

---

The 3M™ True Definition Scanner from 3M™ ESPE provides quick and highly accurate digital dental impressions. It utilizes 3D-in-motion video technology to create a true-to-life replica of your patient's oral structure. It is available in both mobile and cart editions. This broad range of scanner options helps you find the equipment to fit your economic and laboratory needs.

### The Benefits:

- Economical
- Small scan head
- Fast video capture for full-arch scanning
- High-resolution scanning
- Integrated workflow for labs due to trusted connections with leading manufacturers
- Mobile or cart-based system
- Open and secure cloud-based system
- Open .STL files can be shared with existing design and production solutions
- Proven to be more accurate – and more consistently accurate – than other leading intraoral scanners
- Approved for Invisalign case submission



## 3Shape TRIOS® Scanner

---

The 3Shape TRIOS® provides digital impressions quickly and easily. It utilizes HD photos and lifelike color to enhance detail, which provides a high level of accuracy. The TRIOS is available in both mobile and cart editions, as well as a variety of color and grip options. With multiple scanner options to choose from, TRIOS can meet various economic and laboratory requirements.

### The Benefits:

- Available in a wireless edition, which allows for non-stop scanning due to simple battery exchange and long-lasting rechargeable batteries
- Provides optimal comfort for patients
- Fast and easy scanning ensures reduced chair time
- High accuracy on single units, quads, and full arch
- Improved patient dialogue and treatment evaluations
- Shade measurement with a higher level of reliability than the human eye
- HD photos
- Intraoral camera
- Instant online communication with technicians for consultation



## Planmeca® Emerald™ Next-Gen Intraoral Scanner

---

The Planmeca® Emerald™ Next-Gen Intraoral Scanner provides highly realistic digital impressions while focusing on patient comfort. It is a laptop based scanner and, with its plug-and-play feature, it allows clinicians the ability to work from various workstations.

### The Benefits:

- Lightweight, ergonomic, streamlined, and compact design
- Autoclavable seamless scanner tips to prevent cross-infection
- Multicolor laser-based system
- Fully integrated color scanning
- Ability to distinguish between hard and soft tissue
- Open system platform
- Seamless integration with other systems - allows for easy collaboration
- Plug-and-play solution allows for versatility between multiple workstations
- Anti-fog feature



## CS 3600 Intraoral Scanner

---

The CS 3600 Intraoral Scanner from Carestream™ Dental provides highly intelligent and efficient scanning technology to increase precision and reduce chair time. This scanner is laptop and tablet-based, which allows for enhanced versatility and mobility. With its level of technology, the CS 3600 Intraoral Scanner provides extremely accurate digital impressions.

### The Benefits:

- High-speed continuous scanning
- HD 3D digital impressions
- Open or chairside workflows
- Available for monochromatic scanning
- Real-time scanning feedback reduces the need for rescanning and image rendering
- Color coding indicates any holes or gaps in data
- Guide arrows indicate ideal direction to rescan for missing data
- Implant-borne restorative workflow
- Interchangeable tips
- Provides dedicated orthodontic workflow
- Open .STL and .PLY files



## iTero® Element Intraoral Scanner

---

The iTero® Element Intraoral Scanner is extremely versatile and designed to work well for both general practitioners and orthodontists. It is an excellent option for restorative and orthodontic labs, third-party treatment planning, custom implant abutments, chairside milling, and lab CAD/CAM systems. It provides speed, reliability, and color scanning.

### The Benefits:

- Works with Invisalign and OrthoCAD®
- Integrated gyro technology
- ITO defogging system
- Plug-and-play wand
- Custom wheel stand option
- 40-50 milliseconds scan capture time
- 3D high-impact and real-time visualization
- High-definition multi-touch display
- Intuitive workflow
- Open .STL file





## CEREC® Omnicam Scanner

---

The CEREC® Omnicam Scanner from Sirona Dental Systems is an ergonomically designed handheld scanner. It provides precise 2D and 3D scans. With its patient counseling mode, it easily allows clinicians to take video clips, which increases patient comprehension and therefore increases acceptance of proposed treatments.

### The Benefits:

- Powder-free scanning
- Ergonomically designed handpiece
- Compact camera tip
- Seamless scanning
- Clear differentiation between gingiva and the preparation margin
- Patient counseling mode allows video recording
- Optics ensure intraoral access
- Anti-shake feature