



EPED Inc.

Kaohsiung Head Office
2F., No.90, Luke 5th Rd., Luzhu Dist.,
Kaohsiung City 821, Taiwan
T. +886-7-6955596
F. +886-7-6955579

Taipei Office
7F.-2, No.128, Sec. 2, Dunhua S. Rd.,
Da'an Dist., Taipei City 106, Taiwan
T.+886-2-27067018
F.+886-2-27554919

www.epedmed.com

Navigating the Way to Trustworthy Healthcare



EPED Inc. is a leading company in the field of minimally invasive surgery. Upholding the values of “safety, precision, and efficiency”, we strive constantly to develop innovative medical and dental navigation solutions. From education, training systems to clinical solutions, we are dedicated to enhancing the quality and safety of medical treatment on all levels.

The business philosophy of EPED Inc. is rooted in professional medical and dental education. With extensive teaching and clinical experiences, we firmly believe that excellent medical practice is achieved by starting from high-quality professional education. Based on this belief, EPED Inc. has grown steadily and has been certified with ISO13485, medical device GMP quality management certification and CE certificate.

Our Vision

EPED Inc. is committed to becoming the leader in the field of minimally invasive surgery.

As it is important to build a trustworthy medical relationship between patients and practitioners, we started by developing a reliable stereotactic navigation system to help guide the future of precision medicine.

Our Mission

EPED Inc. sees medical, dental education and technology as fundamentals that will lead to a new horizon for precision medicine in the field of minimally invasive surgery.

ISO
13485

GMP

CE
2460



Guiding the Future of Precision Medicine

At EPED Inc., we bring together a professional and enthusiastic team to develop medical image software, medical and dental educational software with optical space location technology as the core. We present the most adaptive and customizable navigation solutions with world-class accuracy. Together with surgeons and professionals, we strive to maximize the values of smart healthcare and to lead the future of minimally invasive surgery industry.



Core Technology

DENTAL NAVIGATION SOLUTIONS

- Dental Augmented Reality Training Solutions
- Dental Clinical Navigation Solutions

SimEx

Dental Augmented-Reality Simulator

The Most Flexible Augmented-Reality Simulator in Dental Clinical Training Education

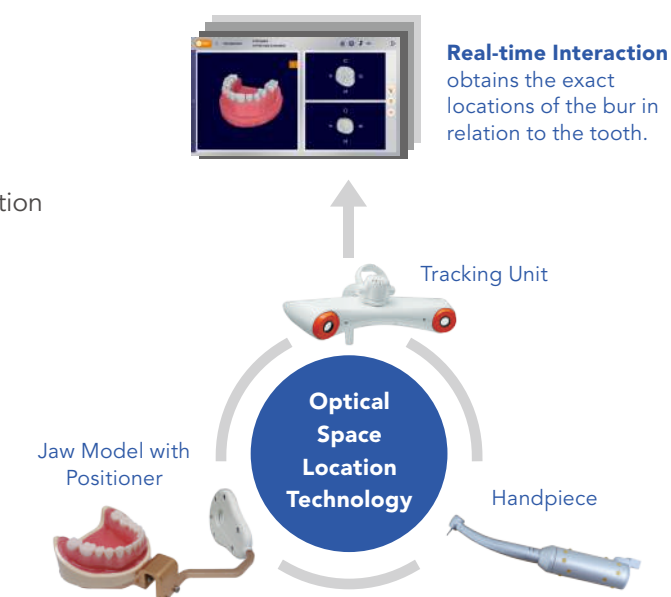
SimEx is the most adaptive Augmented-Reality Simulator currently in today's marketplace, enabling any dental school to select what typodont to use, and to customize the technology to their school's specific curriculum.

Choosing SimEx

- 3D real time visualization enables more effective and objective learning experiences.
- SimEx Augmented-Reality maintains the instructor method of teaching and enhances the teaching experience by providing real time feedback with customized evaluation of students' work.
- Develops self-assessment skills early in training, resulting in more effective and independent students entering the clinical years.
- Best technology for testing examination and instructor calibrations.



- Real multi-disciplinary modules enable its use throughout the entire dental curriculum, from D1 to D4 as well as OSCE.
- Reduces the instructor's workload, allowing dental educators to more effectively distribute the instruction time during preclinical simulation clinics.
- Customizable solutions from typodont selection to dental procedures with the smallest footprint available in the market.



The Most Versatile Augmented-Reality System

- Typodont Selection

Model selection: You have the last word regarding the kind of typodont you would like the students use.

- Procedures Customization

Content and applications: Instructors can freely decide on the content, measurements and design on each procedure to match their curriculum in every discipline to cover their particular study plan.

- Clear ROI with Extensive Content Design

Price-performance value: Easy addition of different models for dental assistants or dental hygienists, and even dental therapists, depending on the needs of every institution.

SimEx is the only Augmented-Reality System suitable for the 4 years of the dental curriculum including examination and root canal procedures.

- Applicable Tooth Model

Adaptability: The simulation technology of SimEx's is compatible with most major typodont manufacturers.

Applications

Range: The system includes useful training in Operative Dentistry, Prosthodontics, Endodontics and Pediatric Dentistry.

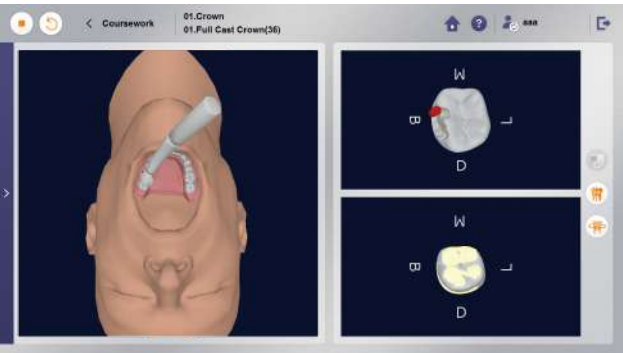
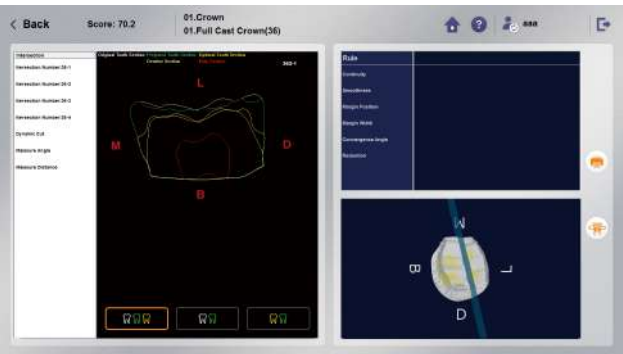


Image of preparation



Evaluation



IRIS

Implant Real-time Imaging System

Navigating the Future of Dental Implants

The Implant Real-time Imaging System (IRIS) features the utilization of optical space location technology to instantly visualize the implant handpiece and drill together with a CBCT 3D image. With the aid of this real-time imaging system, users can see the position of the drill as well as data such as bone quality, nerve and sinus location and more.

This critical data can assist the implantologists in navigation and give real-time guidance during implant surgery. Similar to a car navigation system, the system is set up to visualize the destination and helps guide the pre-planned placement of implants, avoid dangerous areas, reduce risk and increase the likelihood of successful implant surgery.



Advanced Registration Method

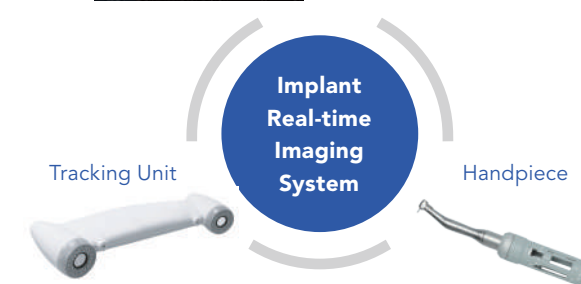
- Pre-surgical planning: The system works with pre-taken CBCT images as they are used for planning and precision enhancing while reducing unnecessary invasion and damage during surgery.
- User-friendly technology: The interface of the software and the easy calibration of the instruments make IRIS one of the most user-friendly equipment in the market.

Compatibility with AR glasses

Just by connecting the glasses via USB, the system effortlessly recognizes the hardware, displaying instantly the current navigation images on the AR glasses.



Real-time Navigation
Real-time monitoring of drill position



Choosing IRIS

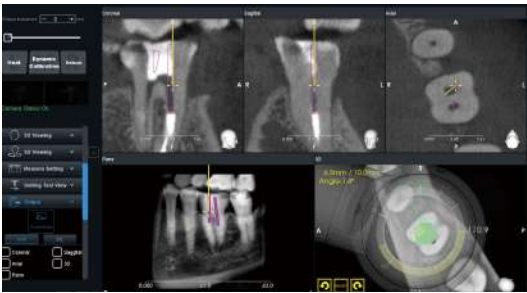
- 1. Real-time monitoring of drill position in a CBCT environment. The system provides the ability to re-confirm bone quality and locate nerve position, sinus position and more.
- 2. Real-time Implant Navigation System assists to increase the accuracy and safety of the implant surgery.
- 3. Alerts the proximity to the nerve. Assists to verify the position, angle, and depth while drilling.
- 4. Minimally invasive surgery: Reduces the probability of flap implant surgery. Faster recovery with less trauma.
- 5. Avoids excessive radiation dosages during the treatment.



Monitor of drilling



Disposable consumables



Open Orifice



Minimally invasive surgery

Applications

Can be applied in Implant Dentistry and Endodontics.

