

Image Navigation

Best-In-Class | High-Accuracy
Real-Time Surgical Navigation

Navigated Dental Implant Surgery with IGI



Benefits of IGI

- No observable lag
- Sub-millimeter accuracy
- Seamless digital workflow
- Stentless registration option
- Minimal footprint
- Wide field of view
- Ergonomic Tools

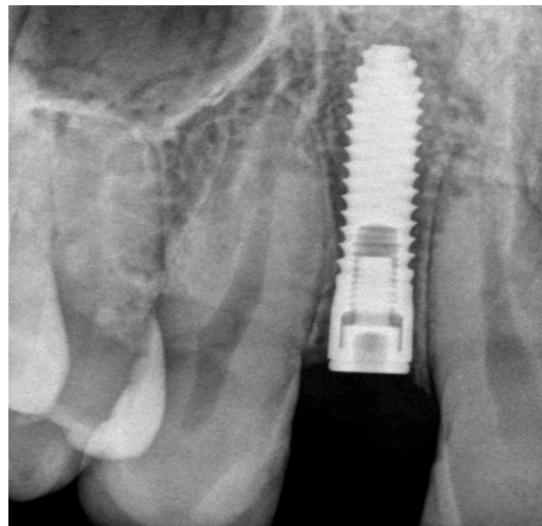


1. Sub-mm accuracy

IGI's proprietary camera and active LED tracking system have sub-mm accuracy and the highest precision in the industry.*

* Accuracy of 0.35 mm +/- 0.14 mm on model.
Source: Navigation Surgery for Dental Implants: Assessment of Accuracy of the Image Guided Implantology System, J Oral Maxillofac Surg. 62:116-119, 2004, Suppl 2

LEDs on the IGI system allow continuous and immediate "real-time" visualization of the drill position.

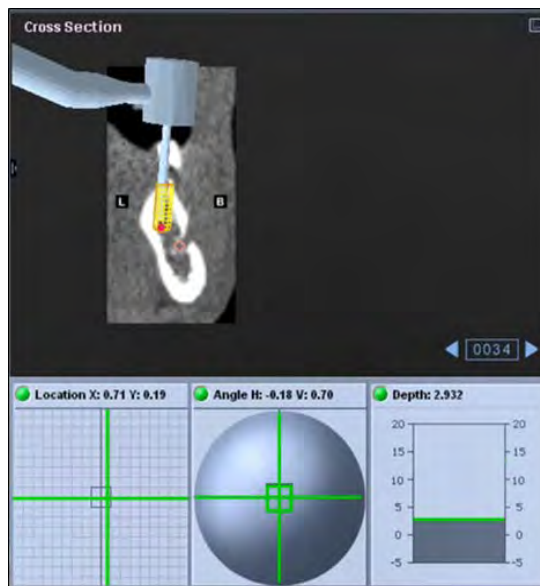


Case photo courtesy of:
Dr. Patrick Nicosia | Houston, Texas

2. No observable lag

The distance from the drill burr to the nerve is always current.

The clinical consequences of having an on-screen lag are that practitioners cannot always trust what they see on the screen, and therefore can damage the inferior alveolar nerve, perforate the sinus cavity or the adjacent root.



3. Ergonomic tools

ERGONOMIC HANDPIECE

The IGI handpiece is nicely balanced and ergonomic. It has been designed to accommodate a smaller as well as larger hand.



4. Minimal footprint Wide field of view

Compact footprint of cart enables use in small operatory space. Camera's wide field of view allows the clinician to perform procedures without repositioning the camera.

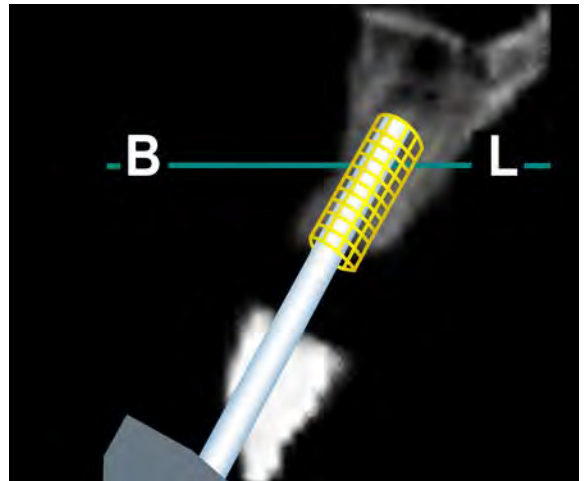


5. Robotic auto-stop safety envelope

COMING SOON

- Robotic Auto-Stop Envelope for maximum safety. The IGI will automatically turn off the surgical motor if the surgeon is off target outside of the planned osteotomy*

*Pending 510(k), this feature is not available for sale within the United States.

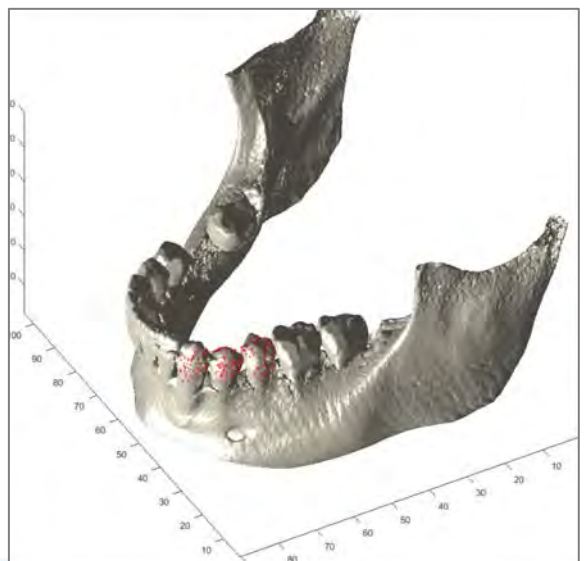


6. Seamless digital workflow

COMING SOON

- Removable Chairside attachment: * Quick, easy & stable during surgery.
- Stentless registration option *

*Pending 510(k), this feature is not available for sale within the United States.



Contact

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IMAGE NAVIGATION, LTD.

(www.image-navigation.com) manufactures the **Image Guided Implantology (“IGI”)** dentistry system, a high-precision surgical GPS for dentistry and oral-maxillofacial surgery that has been used to place thousands of implants.

Using IGI, the dental surgeon views both the current position of the drill and the plan superimposed onto a pre-operative CBCT scan. The surgeon is able to monitor the drilling path on-screen and to make precise adjustments during surgery.

IGI utilizes Image Navigation’s proprietary **TRAX™** software system with ‘active tracking’. **TRAX™** is a software platform technology applicable to additional surgical disciplines.

IGI seamlessly integrates the advantages of freehand surgery, including unfettered vision of the surgical site, retention of the surgeon’s sense of touch, and the application of intra-surgical clinical judgment.

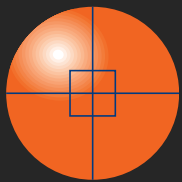


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