Image Navigation

Leader in Real-Time Surgical Navigation

Navigated Dental Implant Surgery with IGI

Benefits of IGI

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

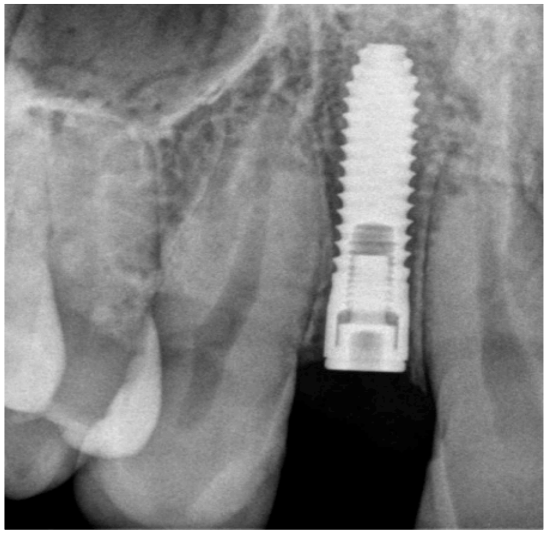
Image Guided Implant 3D Dentistry

1. Sub-mm accuracy

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

LEDs on the IGI system work at the speed of light with no lag or skipping and with superior accuracy, allowing continuous and immediate visualization of the drill position.

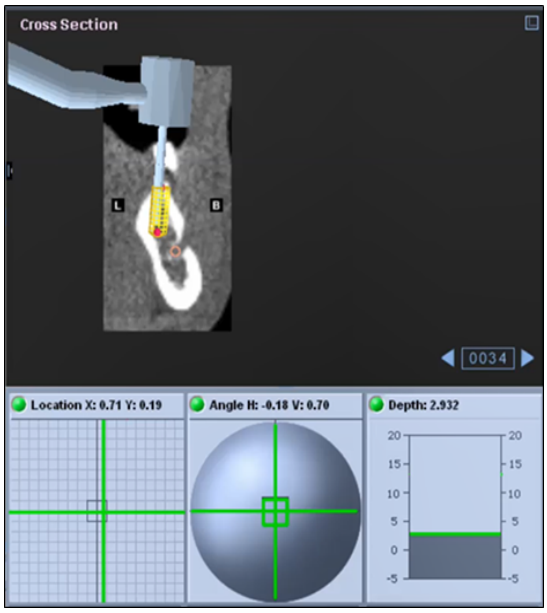
Case Courtesy of:
Dr. Patrick Nicosia | Houston, Texas



2. No on-screen Lag

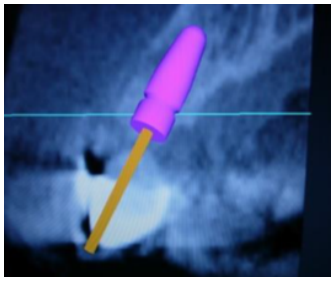
IGI provides on-screen augmented vision with no delay and seamless fluency of tracking in all directions.

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. Seamless digital workflow

- Option to export your digital impression to our IGI dedicated Lab
- Stentless registration option
- Option to print your accurate splint in house

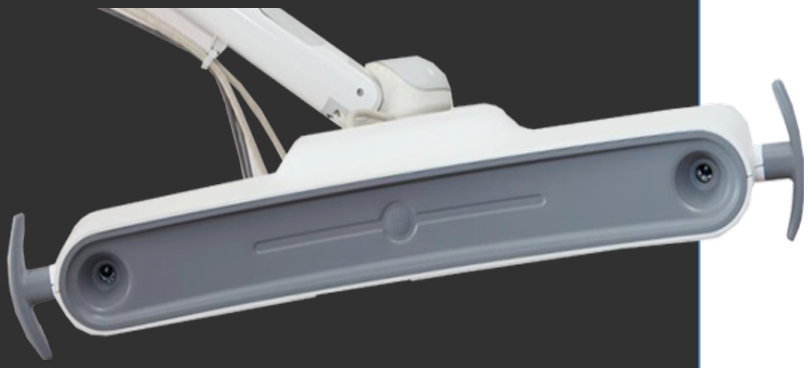


4. Minimal Footprint

NEW CART
Works with the wide field-of-view camera affording an effortless positioning experience.

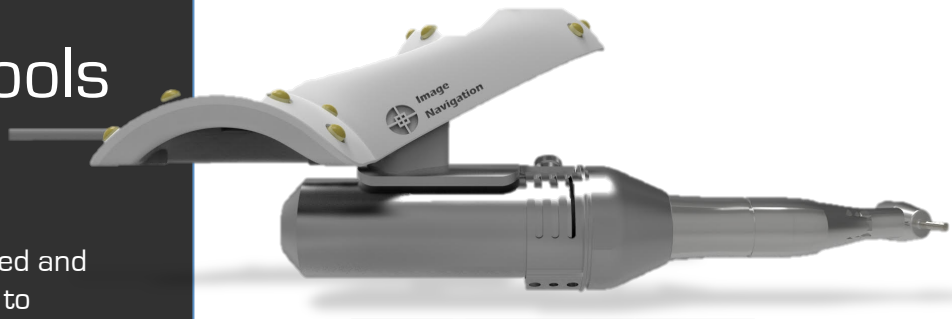
It's small base with LOW PROFILE enables one to work with their operatory, rather than adjusting the operatory to the cart.

5. Wide Field of View

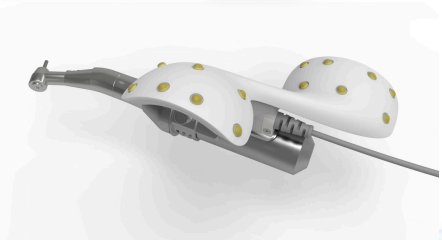


Allows the clinician to perform procedures without repositioning the camera.

6. 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.



Contact

Image Navigation Ltd.

358 5th Ave. Suite 307

New York, NY 10001

USA Phone: 1-646-741-2103 x702

info@image-navigation.com

www.image-navigation.com

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™** system with 'active tracking'. **TRAX™** is a 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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