X-NAV TECHNOLOGIES:
BELIEVE IN BETTER

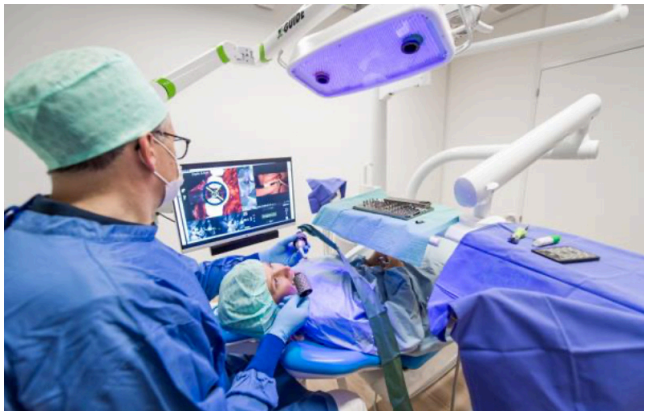
Driven by vision, passion, and innovation, X-Nav Technologies delivers a better implant experience for surgeons and patients.

As digital and 3D imaging technologies have advanced to enhance implant dentistry, they have enabled an unprecedented degree of precision in planning and design. Now, X-Nav brings a higher level of accuracy to the surgical process itself with the X-Guide dynamic 3D navigation system. Cleared by the Food and Drug Administration in October 2015, the X-Guide gives dentists the confidence of knowing the exact position, angle, and depth of both drill and implant at all times.

The sheer amount of expertise required to design and engineer such a system is evident in the credentials of the entire X-Nav team, which includes scientists and engineers in fields ranging from medical prosthetics to cone beam computed tomography (CBCT) to applied physics. In addition, software development experts and board-certified oral and maxillofacial surgeons are integral to the X-Nav team. Together, they add up to more than 350 years of experience with medical and dental products and an incalculable passion for better patient care.

"When I opened my private practice, my first 2 investments were a cone beam imaging unit and the X-Guide system. Since then, I've used it on virtually every implant case, and it's been a game changer for consistency and precision."

—Aaron Quitmeyer, DDS



The results of their work are evident in customer satisfaction. As well as its accuracy and ease of use, X-Guide users praise the system for the time and money it saves in enabling same-day surgery while avoiding the need to create a static guide.

By giving dentists the freedom to adapt the treatment plan during surgery and full visibility of anatomic landmarks, X-Nav helps improve both the surgical experience and the outcome of implant-related procedures, whether for a single tooth or a full-arch reconstruction. Paired with CBCT, the X-Guide gives users the confidence to place implants with less risk of perforating the sinus floor or the buccal plate.

With the X-Guide, X-Nav smooths the digital workflow still further by eliminating the potential delay and inaccuracy in fabricating a physical surgical guide.

As GPS has replaced the road atlases of old by giving drivers up-to-the minute information about road conditions, the X-Guide is similarly poised to give dentists precise, real-time control over their drill location, fulfilling X-Nav's

mission to innovate solutions for practicing better dentistry.

What Is X-Guide?

The X-Guide system is a combination of software and hardware that turns your CBCT system and intraoral scanner into tools not just for planning implant surgery, but for guiding the procedure in real time.

Starting with the X-Clip, a small, quickly molded, patient-specific intraoral marker, the X-Guide imports the CBCT scan and lets the surgeon plan ideal implant locations with robust, user-friendly software. Then, the handpiece and X-Clip are calibrated and the drill is measured and its position checked in an automated process that takes only a few minutes.

Intraoral scans can be integrated into the plan with a few extra clicks. Most recently, the X-Mark virtual registration process has been released for the X-Guide, making patient registration more automated and virtual, while making edentulous navigation and immediate provisionals even easier.

> "We have 2 operatories [...] We used to have one room dedicated to the X-Guide, but we use it for so many cases that we now have an X-Guide in each room so we can do implant cases back-to-back with less downtime."
>
> *—Laith Mahmood, DDS, MD*

Throughout the implant procedure, a heads-up display provides constant, real-time visualization of the drill, implant body, and surrounding anatomy for turn-by-turn guidance. If the surgeon needs to adjust, X-Guide instantly shows the new route—as X-Nav says, like GPS for the drill.

DPS Evaluator Tested

Dental Product Shopper evaluated X-Guide in 2021, and the results were outstanding. Training and support received a 4.9 out of 5 rating, as did usefulness and ease of following the X-Point Target turn-by-turn navigation, versatility and range of treatments, and usefulness within digital dentistry. Especially noteworthy was the fact that two criteria received perfect scores—precision and accuracy of implant position, angle, and depth (compared to freehand) and benefit of live 3D view of drill position and anatomy.

"X-Guide has made me a better surgeon and helps produce superior prosthetic results," shared Michael Sohl, DDS, and Dr. Michael Hartman said X-Guide has totally changed his implant practice. "The team at X-Nav is passionate about their product and committed to adopting innovative technologies...that help users obtain exceptional case outcomes," Dr. Hartman added.

Dr. Laith Mahmood, who said his practice is now known as the X-Nav practice, is impressed with the company's "drive to continually improve and innovate."

For More Infromation

855.475.9628
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X-GUIDE FAQ

My freehand placements are good. Why do I need a dynamic guide?

When it comes to implants, perfection is the goal. Sometimes small deviations from perfect require custom abutments or lead to non-ideal emergence. Even highly experienced surgeons have seen improvements in implant angulation and deviation with the use of dynamic navigation. "Good" can always be better.

How is dynamic navigation different from guided surgery?

Dynamic navigation is guided surgery. The difference from using a static surgical guide is that a dynamic system allows you to make modifications immediately before or even during surgery. It also shows when your burs are getting close to structures like nerves, roots, or the floor of the sinus.