



The IGS promise. **Delivered.**

Machine-vision Image Guided Surgery

MvIGS

FAST. EFFICIENT. RADIATION-FREE.

As the first and only Machine-vision Image Guided Surgery (MvIGS) platform, the groundbreaking 7D Surgical System ushers in a new world of fast, cost-effective, radiation-free spinal navigation.

7D
SURGICAL

A NEW KIND OF VISION FOR SPINAL NAVIGATION

FAST. EFFICIENT. RADIATION-FREE.

The 7D Surgical System is the first and only Machine-vision Image Guided Surgery (MvIGS) platform. The system delivers on the promise of image guided surgery (IGS) and allows surgeons to perform fast, cost-effective, radiation-free IGS.

Unlike conventional IGS systems that rely on time-consuming intra-operative radiation-emitting devices or laborious point matching techniques, MvIGS uses only visible light to **easily register patients in less than 20 seconds.**

RADIATION-FREE

IMPROVED SAFETY. FOR SURGEONS, STAFF, AND PATIENTS.

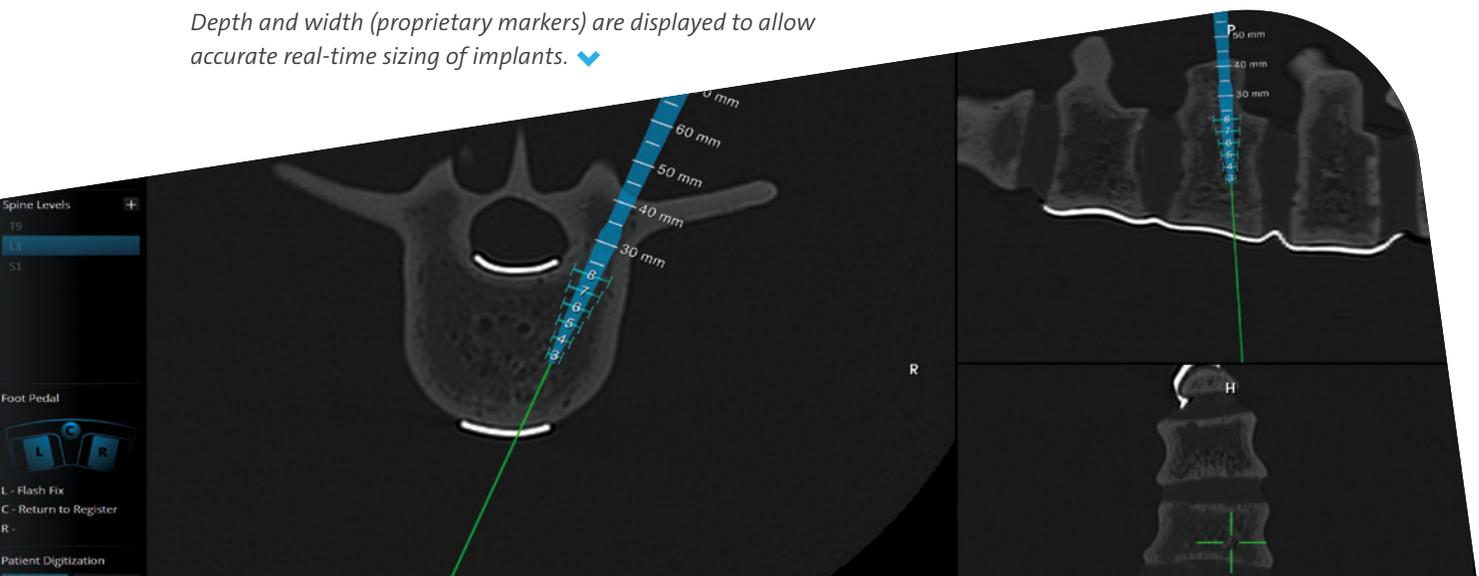
- Eliminates intra-operative CT or fluoroscopy used for registration
- Reduces radiation exposure

FAST

FLASH™ REGISTRATION AT THE SPEED OF LIGHT.

- Instant Flash™ Registration enables complete patient registration in seconds—using only visible light, the anatomy's surface is digitized and automatically matched with a pre-operative CT
- Update the registration at any time, for any reason using Flash™ Fix; recover from a bumped reference point in just seconds
- Real-time implant sizing during surgery reduces the need for pre-op planning

Depth and width (proprietary markers) are displayed to allow accurate real-time sizing of implants. ✓



Utilizing machine vision technology, the 7D Surgical System allows surgeons to perform fast, cost-effective, radiation-free IGS. >



COST-EFFECTIVE

BUILT FOR TOMORROW'S HEALTHCARE. TODAY.

- Eliminates the need for intra-op radiology equipment and associated personnel
- Significantly reduces registration time
- Platform designed for use in multiple surgical specialties*

SURGEON CONTROL

THE POWER OF PRECISION. OVERHEAD AND UNDER CONTROL.

- Removes line-of-sight issues with machine vision technology embedded in the attached surgical light
- Surgeon-controlled foot pedal allows complete control from the surgical field
- Reduces reliance on technical staff and equipment



Finally, someone has applied innovative technology to solve the workflow and radiation concerns of traditional spinal image guidance. 7D Surgical's Machine-vision IGS system is the solution for surgeons looking to integrate an easy-to-use, accurate, and cost-effective spinal image guidance system into a busy practice.

Dr. Frank Cammisa
Chief Emeritus of Spine Service, Hospital for Special Surgery, New York City

THE 7D SURGICAL SYSTEM

IMAGE GUIDED SURGICAL NAVIGATION. TRANSFORMED.

By delivering on the initial promises of image guided surgery (IGS), the 7D Surgical System not only fulfills the capabilities of traditional IGS systems, but also provides new opportunities

to fundamentally streamline workflow, improve efficiency, and bring significant economic value to the OR—all while providing a safe, radiation-free surgical environment for surgeons, staff, and patients.

VERSATILE PLATFORM

SMALL FOOTPRINT. ENDLESS POSSIBILITIES.

- Single, easy-to-use, compact mobile unit
- Platform technology built to easily handle future updates and enhancements*
- Supports multiple configurations for optimal operating room setups

◀ *Compact mobile unit makes the system ideal for operating rooms and hospitals.*

Get the promise of IGS delivered with the 7D Surgical System.

7Dsurgical.com



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*The 7D Surgical System Cranial Module is currently under development and is not available for clinical use or sale. Regulatory submission pending to the FDA and Health Canada.

The 7D Surgical System Spine Module has FDA 510(k) clearance and Health Canada MDL approval for spine navigation.

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