

# EXACTECH | KNEE



**Exactech**GPS®  
Guided Personalized Surgery



# Control your destination.

Exactech GPS design goals are to address the challenges of total knee arthroplasty, including:

	GPS	Navigation	Custom Blocks	Robotics
ECONOMICS	Affordability	●	●	●
	O.R. Efficiency	●	●	●
EFFICIENCY	Ease of Use	●	●	●
	Accuracy	●	●	●
EFFICACY	Intra-operative Adjustability	●	●	●
	Soft Tissue Management	●	●	●

Exactech GPS® Guided Personalized Surgery is an advanced technology that provides surgeons with real-time visual guidance and alignment data in total knee surgery.

Personalized for surgeon preferences and patient indications, Exactech GPS is a powerful addition to the surgical team’s goals of achieving precision and accuracy through an efficient, cost-effective solution.

Combined with the Optetrak® lineage of knee products, Exactech GPS provides the best of both worlds—a proven implant design foundation<sup>2</sup> enhanced by the most modern surgical technologies.

## Why consider computer assisted surgery today?

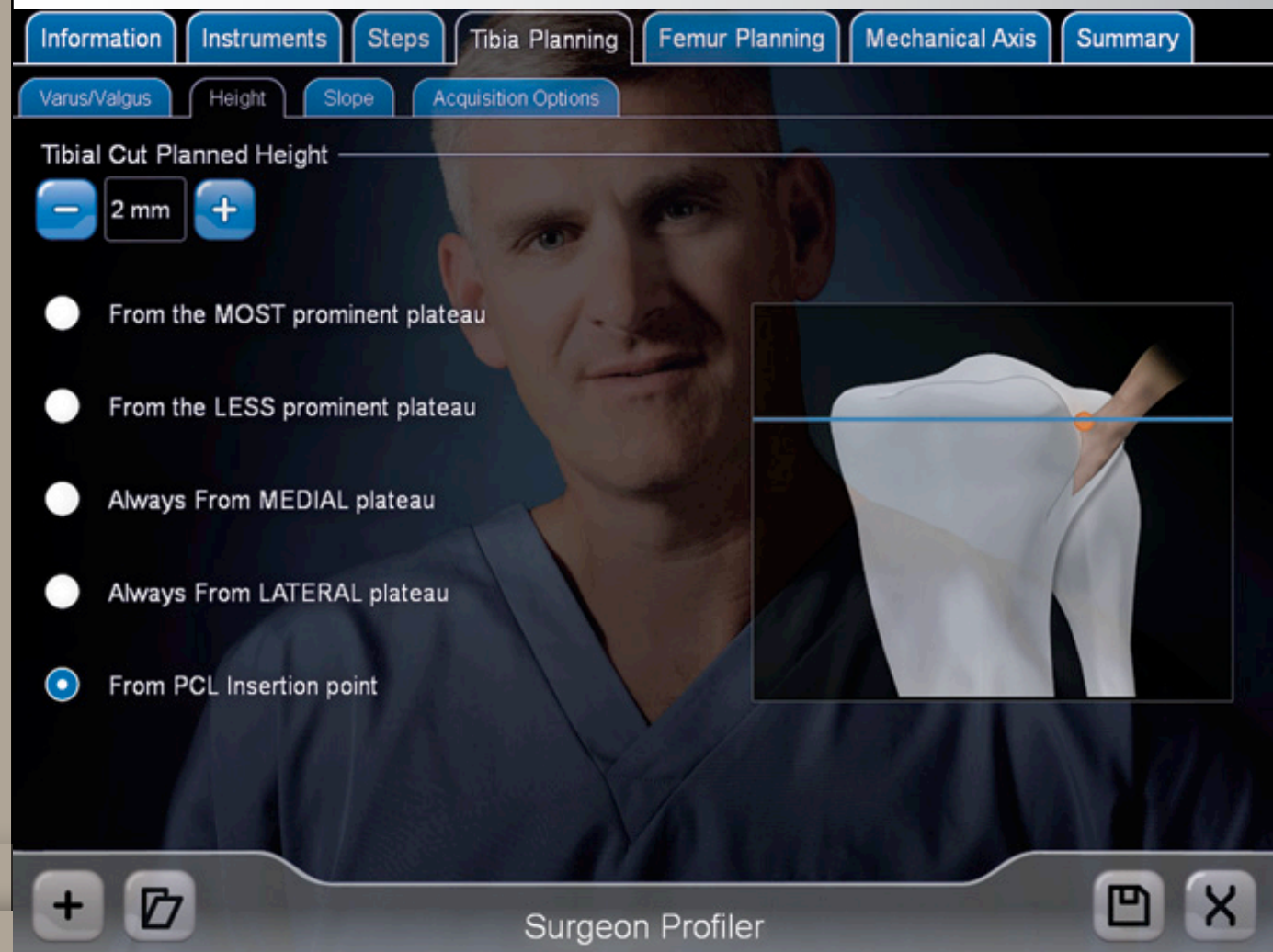
In recent years, computer assisted technologies have demonstrated success<sup>1</sup> in meeting orthopaedic surgeon’s desires, such as: utilizing a minimally invasive technique, confidently planning the surgical approach and verifying radiologic alignment—all to support the goal of patient outcomes.

And while advanced technologies such as computer assisted surgery and mechanical instrumentation have increased accuracy<sup>1</sup> in total knee arthroplasty, alignment and rotational outliers continue to occur. No one system has addressed the parameters of affordability, optimization of O.R. time and accuracy to be truly successful by industry standards—until now.

Exactech GPS provides you with advanced technology at your fingertips.



## Personalized Protocols.



You decide the approach. GPS helps you get there. Exactech GPS is personalized for surgeon preferences and patient indications, providing flexibility that can adapt to various surgical styles and preferences.

This state-of-the-art technology supports a comprehensive array of soft tissue strategies and allows you to customize and pre-plan surgeries that fit your surgical philosophy. With Exactech GPS, you can adjust intra-operatively, balance flexion and extension gaps and plan component placement before performing resections. And, Exactech GPS eliminates the need for costly pre-operative diagnostic imaging.<sup>3</sup>

- **Personalized to surgical preferences and philosophies**
- **Real-time feedback of anatomical and mechanical landmarks**
- **Simplified intra-operative adjustability**
- **Soft tissue management compatibility**

How do you like to work? Set your personal profile to guide the system through your unique approach, displaying only the information you choose.





## Increased Efficiency.



Exactech GPS is the ultimate addition to your surgical team. Ergonomically designed for ease of use, the system provides real-time visual guidance in an intuitive graphical user interface.

Not only is the screen easy to read for your entire team, the system provides virtual control all within the surgeon's control in the sterile field. Similar to a GPS in a car, data is presented in a clear way, guiding your entire surgical team throughout each individual case. From simplified and faster surgical protocols to improved workflow and flexibility, Exactech GPS' ease of use allows for easy integration into the operating room as a valued member of your surgical team.

- Easy integration into your operating room
- Less complex system than conventional navigation
- Simplified, faster surgical protocols
- Reduced number of traditional instruments



In the O.R., every minute counts. Perform calibration through one simple step to connect the active trackers to the smart instrumentation.

## Advanced Precision.



You know your surgery. GPS can help streamline your protocols. Exactech GPS provides accurate,<sup>4</sup> real-time feedback of anatomical and mechanical alignment landmarks throughout surgery.

Based on your surgical preferences, anatomical landmark registration is performed intra-operatively with clear, automated data displayed within seconds. Whether you are performing a cruciate retaining or posterior stabilized knee, Exactech GPS supports your surgical preferences and soft tissue balancing objectives, including defined component sizing and rotational and mechanical alignment.

- High level of accuracy and precision<sup>4</sup>
- Intra-operative registration based on your preference
- Supports precise component sizing and rotation
- Real-time resection verification

Following surgery, access a detailed post-operative report to see the alignment results and timing of each case.

The image shows a stack of three reports. The top report is titled 'One-Step Calibration' and shows a 'Pointer Dir. in Sagittal Plane'. The middle report is titled 'Clinical Values' and shows a table of 'TIBIAL CUT' and 'FEMUR DISTAL CUT' data. The bottom report is titled 'FEMORAL COMPONENT PLANNING' and shows a table of 'FEMORAL COMPONENT PLANNING' data.

Clinical Values		
TIBIAL CUT		
	Target	Digitized
Varus/Valgus	0°	0°
Lateral Cut Height	8 mm	8 mm
Medial Cut Height	11 mm	11 mm
PCL Cut Height	-2 mm	-2 mm
Slope	3° Posterior Slope	3° Posterior Slope
FEMUR DISTAL CUT		
	Target	Digitized
Varus/Valgus	0°	0°
Lateral Cut Height	10 mm	10 mm
Medial Cut Height	9 mm	9 mm
Flexion	1° Posterior Slope	1° Posterior Slope
FEMORAL COMPONENT PLANNING		
	Target	
V/V	0°	
Lateral Distal Cut Height	10 mm	



## Clinical Success.



It has often been said that the overall longevity of a total knee implant is attributed to the combination of excellent design and proven materials. Built on a design history spanning more than three decades, Exactech's lineage of implants, Optetrak® and Optetrak Logic® have continued to document excellent long-term implant performance and clinical outcomes for patients around the world.<sup>2</sup>

Developed from original technology licensed from the Hospital for Special Surgery (HSS) in New York, Exactech has evolved the implant lineage, while maintaining its patented articular design and proprietary materials.

In addition to the confidence you can have with a clinically-proven<sup>2</sup> knee, Exactech GPS provides many clinical benefits. Designed with an intention to support less invasive approaches and surgical techniques, Exactech GPS eliminates the need for entry of the intra-medullary canal<sup>3</sup> and additional diaphyseal pins,<sup>3</sup> helping to reduce blood loss<sup>5</sup> and infections.<sup>6</sup>

**You determine the best course for your patients.  
GPS can help you get there.**

Exactech GPS is compatible with Exactech's knee products. Whether you prefer a CR or PS approach or need more constraint, Optetrak and Optetrak Logic provide comprehensive solutions to total knee arthroplasty.





# Enhanced Marketability.

96%

96 percent of potential TKA patients would seek a surgeon who uses the latest in computer-assisted technology.<sup>7</sup>

96%

96 percent of TKA patients say they would have considered technology like Exactech GPS had their surgeon recommended it.<sup>7</sup>

What factors influence a patient's decision to have total knee replacement surgery? How open are patients to innovative computer-assisted surgical techniques? And how can your communications message be shaped to promote your surgical techniques?

Exactech offers a comprehensive marketing program exclusively to every Exactech GPS customer to create market awareness, drive patient interest and enhance physician referrals this groundbreaking new technology.

#### Our team can help:

- Build strategic partnerships to market your practice
- Lend marketing expertise that focuses on your marketing objectives
- Offer planning support in creating and implementing an effective marketing plan
- Provide a robust marketing toolkit of promotional and educational materials and resources

To learn more, visit [www.exactechgps.com](http://www.exactechgps.com)

#### References

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