



Exactech GPS
Guided Personalized Surgery





Through the eyes of a surgeon

DEVELOPING A BREAKTHROUGH APPROACH TO COMPUTER-ASSISTED SURGERY

Since 1985, Exactech has looked at clinical challenges through the eyes of a surgeon, because we were founded by one. It's all about working together, focusing on your needs, and then engineering innovative solutions that improve patient outcomes.

Exactech has taken a different kind of approach to medical devices since its inception. As a global company with a universal commitment to bettering patient outcomes, Exactech design surgeons and engineers looked beyond conventional wisdom to create a new approach to computer-assisted surgery.

Is there a better way? We thought so.

We invite you to experience ExactechGPS, a breakthrough technology that has steadily gained market acceptance and worldwide reach. *Control Your Destination.*



Distribution in more than 12 countries



Fast-growing technology



Applications supporting knee and shoulder arthroplasty

The background of the slide features a series of concentric, overlapping circles and arcs in various shades of blue. Interspersed among these geometric shapes are several small white plus signs (+). The overall aesthetic is clean, technical, and futuristic.

ExactechGPS® is a compact, surgeon controlled, computer-assisted surgical technology that delivers reproducibility in total joint arthroplasty. Merging powerful software and innovative instrumentation, ExactechGPS offers a real-time, patient-specific solution that is designed to improve patients' quality of life.



Three cameras allow for large field of vision and line of sight.

Large touchscreen tablet provides wide angle view for the entire surgical team

Real-time data displayed in seconds to plan, guide and verify

Active tracker technology designed to avoid disruption, downtime and loss of real-time information.



Control your destination.

THE ULTIMATE SURGICAL EXPERIENCE IN YOUR HANDS

ExactechGPS is a breakthrough computer-assisted surgical technology that provides virtual control at your fingertips. Designed for reproducibility, the system merges innovative instrumentation with powerful software for the ultimate surgical experience.

Ergonomically designed, ExactechGPS features a touchscreen tablet that integrates seamlessly into the sterile field for easy access and improved line of sight. The enhanced screen size and optimal resolution provides for improved visibility and performance. Combined with active tracker technology and modern instrumentation, ExactechGPS can become a powerful addition to your surgical team.



ExactechGPS Web

- comprehensive case details
- planned vs. digitized values

Real-time reproducibility

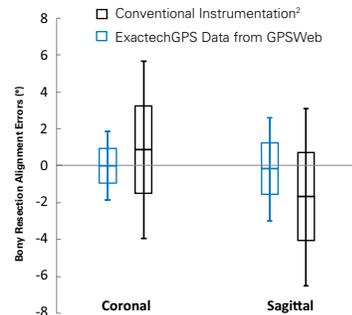
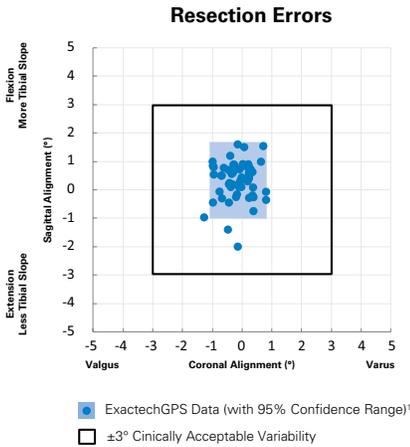
DELIVERING PRECISION AND ACCURACY CASE AFTER CASE

ExactechGPS combines surgeon expertise with proprietary technology to align with your goals for reproducible outcomes. Supporting both shoulder and knee arthroplasty, ExactechGPS has been shown to achieve a high level of accuracy and precision.¹⁻³

Knee Arthroplasty

A published validation study¹ demonstrated that ExactechGPS can consistently reproduce accurate alignment in bony resections with no incidence of more than 3 degrees of error.

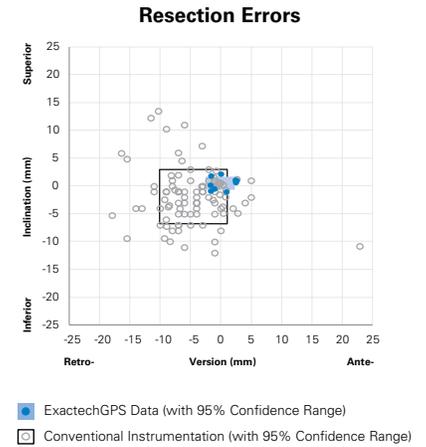
The use of ExactechGPS substantially reduced the alignment error compared to the clinically reported variability by using conventional instruments.²



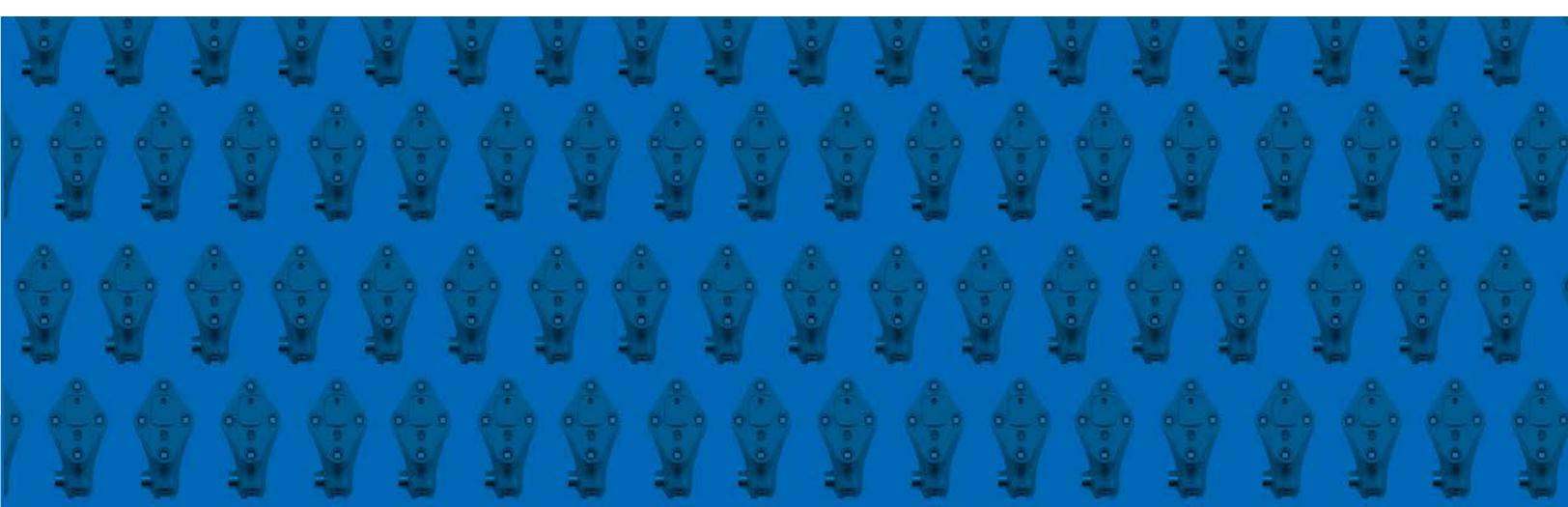
Data presented as Mean ± Standard Deviation, and 95% Confidence Range.

Shoulder Arthroplasty

ExactechGPS provides a level of accuracy that allows glenoid implants to be placed within +/-1.6 degrees of retroversion/ inclination, and +/-1mm of AP/SI placement according to preoperative plan.*³



*Based on a cadaveric study of nine specimens. Standard deviation values were 1.88 degrees for retroversion, 1.15 degrees for inclination, 1.12mm for AP placement and .86mm for SI placement.





Available for use exclusively with the Equinox® Platform Shoulder System, including its comprehensive glenoid solutions.

See your plan through.

FROM PREOPERATIVE PLANNING TO REAL-TIME EXECUTION

The ExactechGPS Shoulder Application's user-friendly, preoperative planning tool is designed to help you understand your patient's anatomy prior to surgery. Surgeons can create preoperative plans within days after Exactech receives patient CT scans. ExactechGPS is designed to reproduce the preoperative plan with precise execution.⁵

Intraoperatively, ExactechGPS provides visibility into the glenoid vault in real time and allows for consistent, accurate glenoid placement. A recent study showed that more accurate glenoid placement minimizes complications and theoretically increases implant survivability.⁶ In addition, ExactechGPS provides a real-time view of retroversion and inclination, reaming and drilling depth, screw placement and the ability to adjust surgical plan intraoperatively, offering more flexibility.



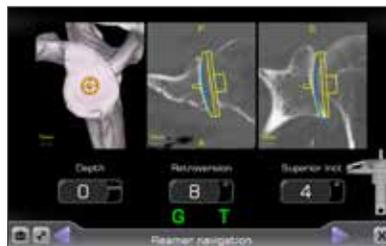
1 SEND CT SCANS TO EXACTECH



2 CREATE PRE-OP PLAN



3 EXECUTE PRE-OP PLAN WITH EXACTECHGPS



Real-time view of retroversion and inclination, reaming and drilling depth and screw placement.



Ability to adjust surgical plan intraoperatively, offering more surgeon flexibility.



Applications support the Optetrak
Logic® and Optetrak® Knee Systems.

The rest is in your hands.

VERSATILE PLATFORM THAT SUPPORTS YOUR APPROACH

From start to finish, we've got you covered. ExactechGPS Knee offers customized workflows that align with your surgical preferences and protocols.

With knee arthroplasty continuing to grow, we know you are challenged to deliver excellent clinical outcomes with ever greater efficiency. Designed with the ultimate surgical experience in mind, the Exactech Knee System is a high performance, comprehensive platform that offers solutions to address clinical challenges in primary and revision total knee replacement. Leveraging Exactech's core principles, the knee systems apply advanced design philosophies and surgical technologies to help you deliver clinical outcomes reproducibly.

The ExactechGPS Knee Application seamlessly aligns with your preferred surgical workflows with advanced options, including ligament balancing and pre- and post-kinematics.



References

1. **Angibaud, LD et al.** Evaluation of the Accuracy and Precision of a Next Generation Computer-Assisted Surgical System. *Clin Orthop Surg.* 2015.*
2. **Cip J et al.** Conventional versus computer-assisted technique for computer-assisted technique for total knee arthroplasty: a minimum of 5-year follow-up of 200 patients in a prospective randomized comparative trial. *J Arthroplasty.* 2014 Sept.
3. **Data on file at Exactech.***
4. **Data on file at Exactech.**
5. **Data on file at Exactech.***
6. **Walch G et al.** Results of a convex-back cemented keeled glenoid component in primary osteoarthritis: multicenter study with a follow-up greater than 5 years. *J. Shoulder and Elbow Surg.* (2011) 20; 385-394.

* *In vitro* (bench) test results may not necessarily be indicative of clinical performance.

The products discussed herein may be available under different trademarks in different countries. All copyrights, and pending and registered trademarks, are property of Exactech. This material is intended for the sole use and benefit of the Exactech sales force and physicians. It should not be redistributed, duplicated or disclosed without the express written consent of Exactech. ExactechGPS® is manufactured by Blue Ortho® and distributed by Exactech. ©2017 Exactech. 723-01-23 1117

Exactech is proud to have offices and distributors around the globe.
For more information about Exactech products available in your country, please visit www.exac.com



GLOBAL HEADQUARTERS
2320 NW 66TH COURT
GAINESVILLE, FL 32653 USA

☎ +1 352.377.1140
+1 800.EXACTECH
📠 +1 352.378.2617
🌐 www.exac.com