

Surgeons



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



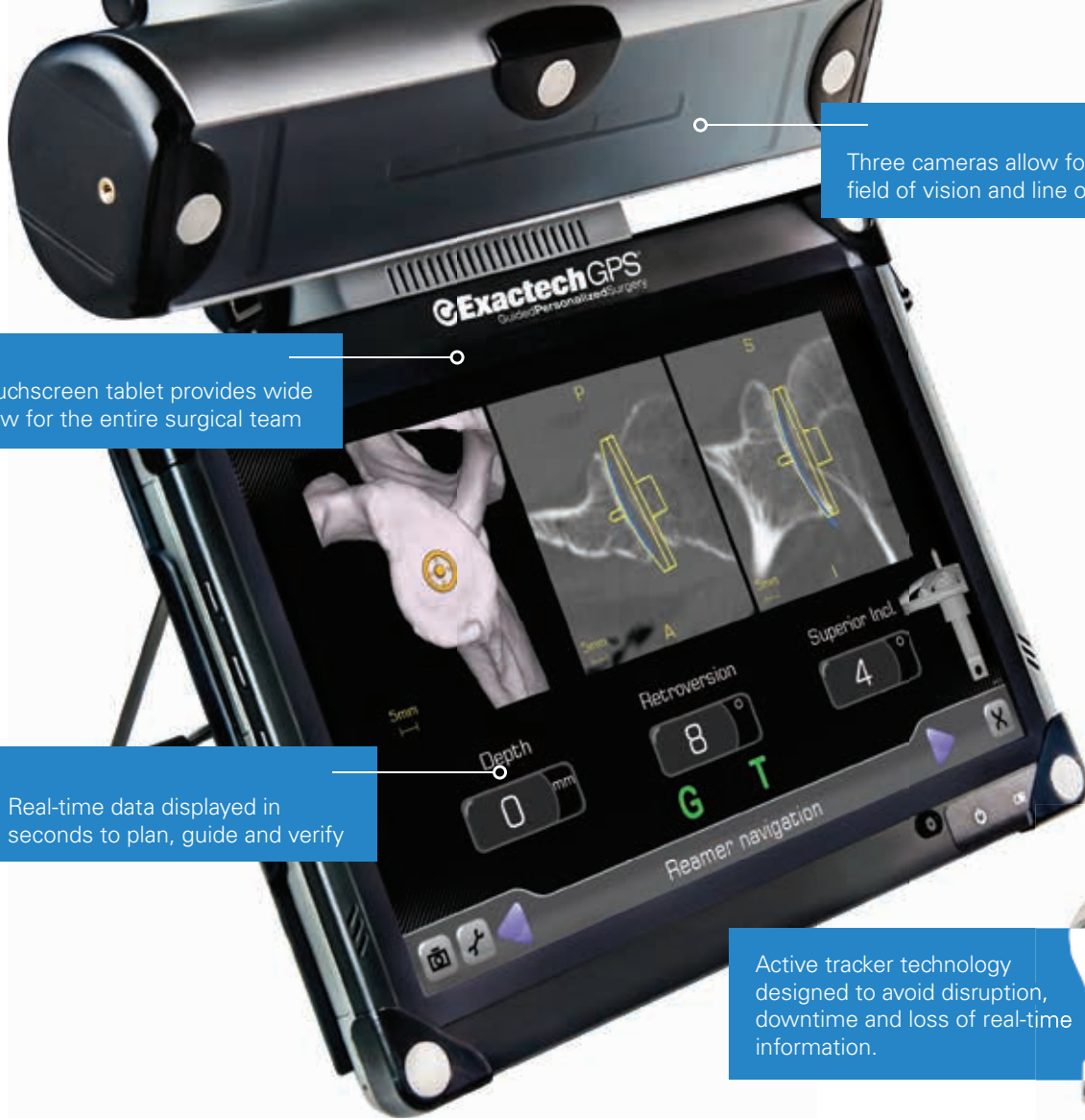
Fast-growing technology



Applications supporting knee and shoulder arthroplasty



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

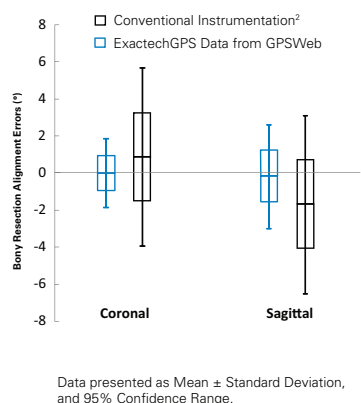
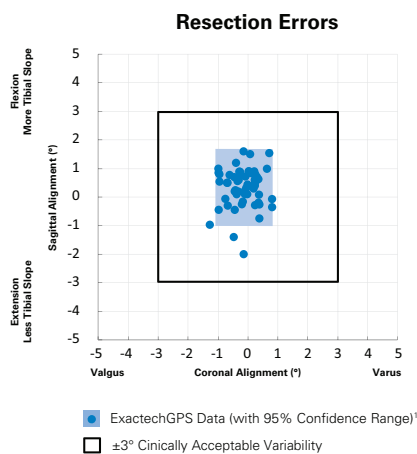
DELIVERING PRECISION AND ACCURACY CASE AFTER CASE

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

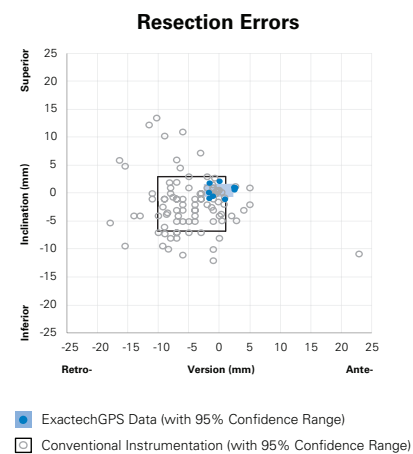
A published validation study¹ demonstrated that ExactechGPS can consistently reproduce accurate alignment in bony resections with no incidence of more than 3 degrees of error.

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



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.

Enhanced marketability

ATTRACTING PATIENTS WITH LEADING-EDGE TECHNOLOGY

What factors influence a patient's decision to have total joint replacement surgery? How open are patients to innovative computer-assisted surgical techniques? And how can your marketing program use technology, like ExactechGPS, to drive patient interest?

Exactech offers a comprehensive marketing program to create market awareness, drive patient interest and enhance physician referrals.

Our team can help:

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

Of patients surveyed...⁴

85% would seek out a surgeon who uses ExactechGPS.

87% are comfortable with computer-assisted surgery over custom instruments (85%) and robotics (77%).

94% find ExactechGPS appealing and would consider it if their orthopaedic surgeon recommended it.



Available for use exclusively with the Equinoxe® 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.



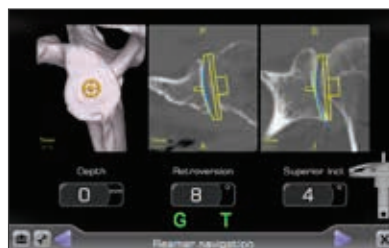
1 SEND CT SCANS TO EXACTECH



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 Truliant®, Optetrak Logic® and Optetrak® Knee Systems.

The rest is in your hands.

COMPREHENSIVE PLATFORM THAT SUPPORTS YOU FROM PRIMARY TO REVISION

From start to finish, we've got you covered. With comprehensive applications for both primary and revision knee surgery, ExactechGPS Knee aligns with your preferred surgical workflows.

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 Applications provide the versatility to meet your individual needs for each procedure, seamlessly aligning with your surgical preferences – from a straightforward approach to more advanced options in the primary suite, all the way to an application focused on addressing your complex primary and revision knee cases.



Simple guide, cut and verify



Customized workflow with advanced options including ligament balancing and pre- and post-kinematics



Broadens reach to address complex primaries and revision cases

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.

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