

Guided Personalized Surgery

PRECISION
AND
ACCURACY
FOR **YOUR**
KNEE
REPLACEMENT
SURGERY



Data on file at Exactech, Inc



EXACTECHGPS® GUIDED PERSONALIZED SURGERY

ExactechGPS® Guided Personalized Surgery is the latest advancement in technology that provides surgeons with real-time visual guidance in total knee surgery. This advanced platform combines surgeon expertise with a computer system to perform your knee surgery with a goal of advanced accuracy and precision, allowing for simple adjustments, minimally invasive techniques and implant alignment personalized to your unique anatomy.

TOTAL KNEE REPLACEMENT

We don't have to tell you how debilitating joint pain can be, not to mention how it can make you feel.

With so many components of your knee designed to perform in harmony, disease or injury can cause disruption and create painful joint problems. Thankfully, having a knee replaced after months or even years of suffering can allow you to experience reduced pain and get back to the activities you enjoy.



Before

After

Total knee replacement, also called total knee arthroplasty, is one of the most successful surgical procedures. Today, more than half a million knee replacement procedures are performed every year in the United States alone.¹

ExactechGPS has been shown to be accurate within less than one degree.



YOUR KNEE REQUIRES A UNIQUE ROAD MAP

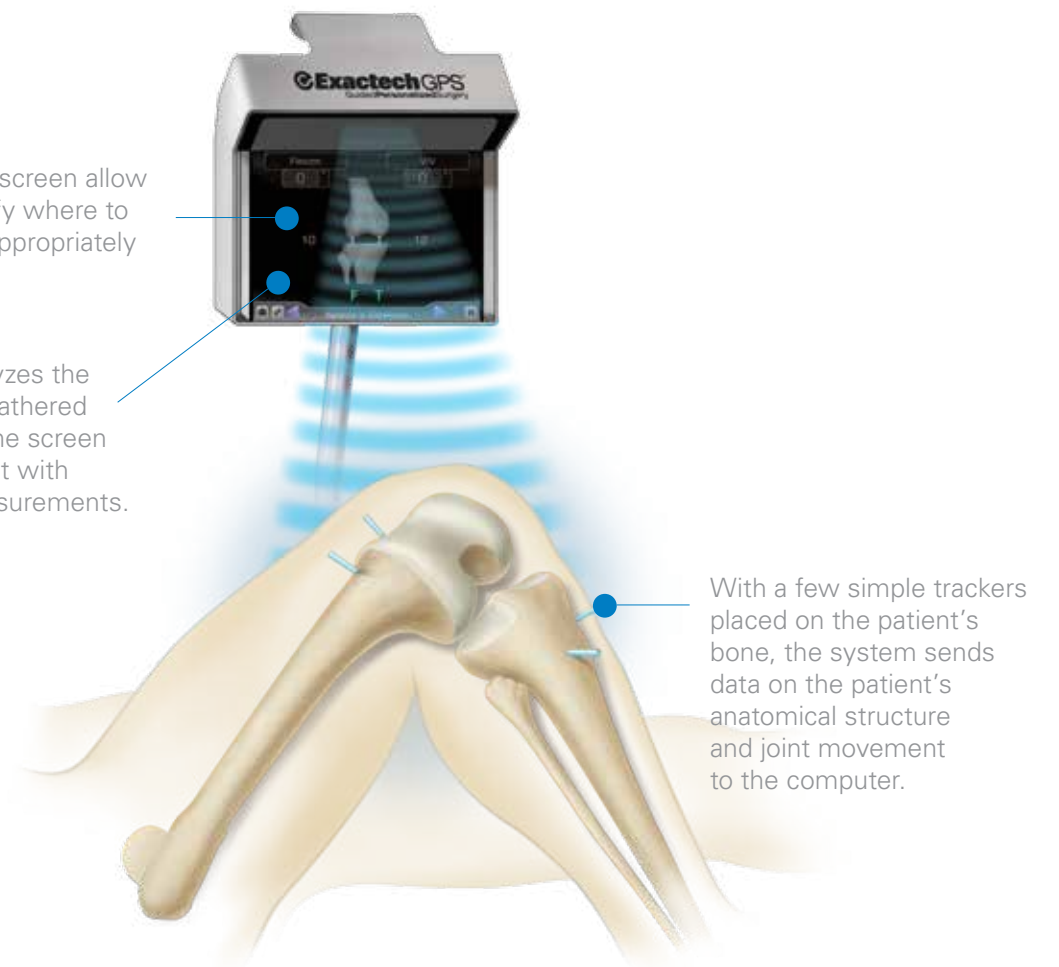
When it comes to knee replacement, accurate placement and alignment of the implant components are critical to the overall longevity and function of the implant. Traditionally, surgeons have used pre-operative X-rays, instrumentation and special techniques to plan the surgery and calculate the fit and positioning of the total knee implant. While this has worked well for many years, studies have shown the **risk of implant failure increases substantially when the implant is outside of three degrees of alignment.**²

ExactechGPS was developed to assist surgeons meet their goals of precision and accuracy in total joint replacements. It has been shown to be accurate within less than one degree.³

HOW DOES GUIDED PERSONALIZED SURGERY WORK?

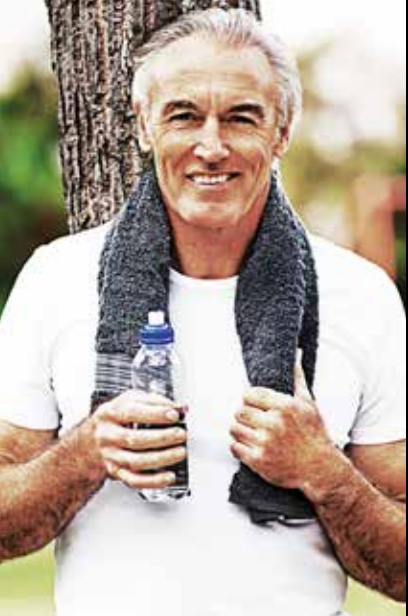
The images on the screen allow the surgeon to verify where to remove bone and appropriately place the implant.

The computer analyzes the information it has gathered and displays it on the screen in a graphical format with calculated key measurements.



With a few simple trackers placed on the patient's bone, the system sends data on the patient's anatomical structure and joint movement to the computer.

Personalized for your unique bone structure and anatomy, ExactechGPS provides surgeons with a comprehensive view of your knee joint and bone structure, which allows your surgeon to make adjustments to **ensure accurate and precise placement** of the knee implant.



WHAT IMPLANT WILL MY SURGEON USE?

There are plenty of options when it comes to knee replacement implants, but nothing compares to feeling confident with a clinically proven knee that is designed to comfortably fit you.

Exactech's knee system has a unique story that began more than 30 years ago at the Hospital for Special Surgery in New York, one of the world's leading orthopaedic research and treatment institutions. Built on a rich design history and foundation, the Optetrak® comprehensive knee system continues to demonstrate excellent long-term clinical results, helping hundreds of thousands of patients around the world regain their mobility.⁴



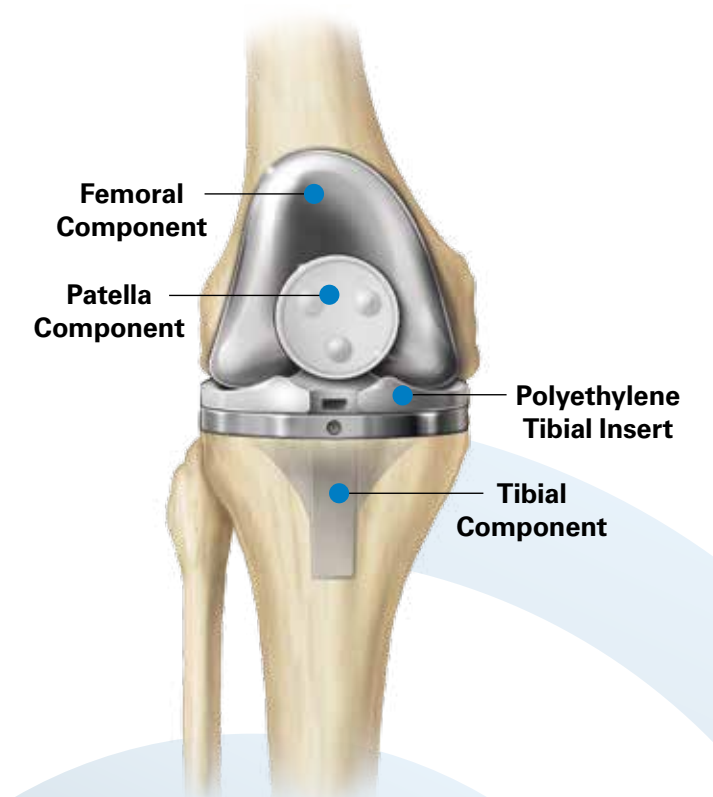
**OPTETRAK
LOGIC**

PROVEN DESIGN, PROVEN MATERIALS

It is widely recognized that quality design and materials contribute to longevity and function when it comes to total joint implants. The patented design features and proprietary materials contribute to Optetrak's overall longevity and excellent clinical performance.⁴

Some of the system's unique features include:

- Curved shape of femoral and tibial components distribute weight and pressure evenly across the area where the components meet
- Bone-sparing⁵, high-flexion implant is designed to reduce strain on surrounding ligaments, while providing natural patella tracking and excellent range of motion⁶
- Proprietary net compression molded polyethylene inserts are used to replicate your cartilage
- Streamlined instrumentation provides options for alternative surgical approaches, such as reduced incision size, which can potentially allow for quicker recovery
- Innovative surgical approach to preserve and protect as much of your surrounding tissues, ligaments and natural bone as possible
- Wide range of solutions to treat your condition



WHY EXACTECH IMPLANTS ARE RIGHT FOR YOU

Your surgeon will consider a wide variety of variables when selecting the knee implant that's right for you. Your age, height, weight, lifestyle and your general health are among the most important factors. The Optetrak lineage of total knee systems are designed to accommodate these and other variations in anatomy to provide you the best possible outcome.

Sure, there are plenty of choices out there and new knee systems are being introduced every day. But there's nothing like the confidence that comes from the test of time. With the Optetrak systems, you have the best of both worlds—a proven design foundation⁴, enhanced by today's most modern surgical technologies.



References

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5. Data on file at Exactech, Inc. 051K. Intercondylar Femoral Notch Preparation for Posterior Stabilized Knee Arthroplasty –Volumetric Bone Resection According to Two Methods.
6. US patent 6730128, Albert H Burstein, "Prosthetic Knee Joint," issued 2004-05-04.