

Fast. Simple. Flexible.

OrthoMap® Express Knee Navigation Software





Express Efficiency

OrthoMap Express Knee is a simplified solution to incorporate navigation into total knee replacement procedures. Quickly navigate and verify distal femur resections, proximal tibia resections, and femoral rotation, without compromising OR efficiency.

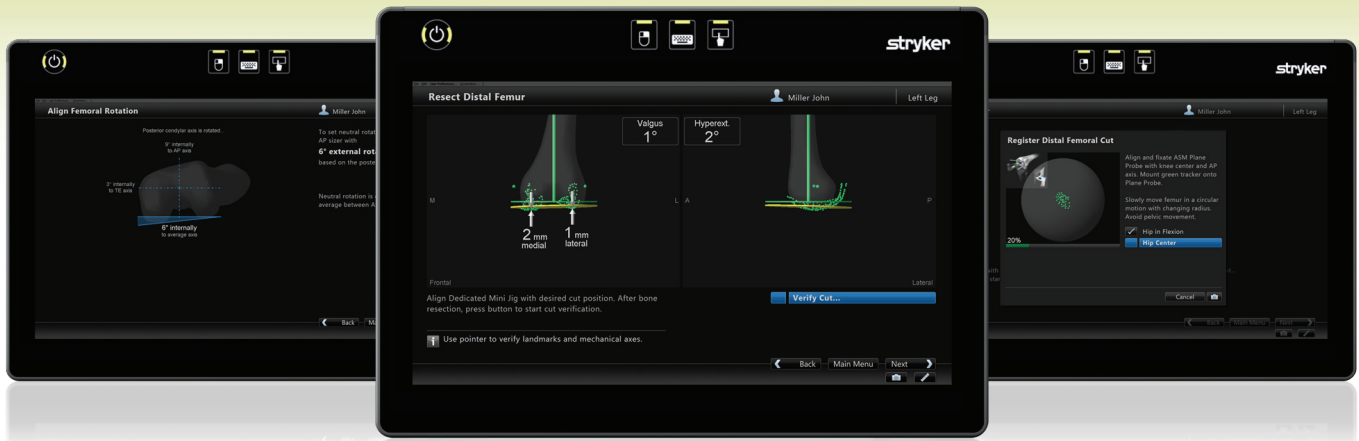
Rapid Patient Registration: Only six landmarks required

Cut-Check Verification Only: Verifies distal femoral resections and proximal tibia resections without having to conduct an anatomy survey

Flexible: Customizable workflow options to accommodate surgeon preferences and can be used with any implant system

Less Invasive: Patient navigation tracker pins are placed on the articular surface (no additional skin incisions are required)

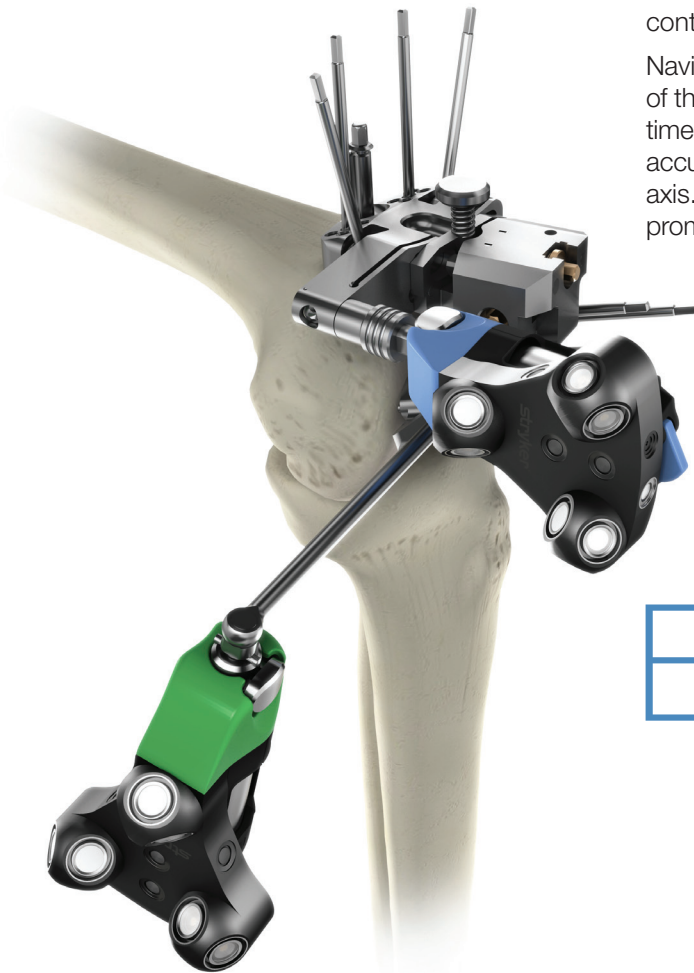
Streamline Instrument Utilization: May help reduce the number of instrument trays needed per case (potential instrumentation reductions of up to 80%); helping to reduce complexity, weight, volume of instruments and their related costs



Express Accuracy

Stryker — the market leader in orthopaedic navigation² — is committed to delivering unparalleled accuracy and control. Stryker's proprietary tracking technology has produced the most accurate optical navigation camera on the market.³ When such industry-leading accuracy is combined with Stryker Navigation's Smart Instruments, the result is absolute control, where the surgeon is able to completely control the software from the sterile field.

Navigation has proven to accurately reproduce the mechanical axis of the knee for total knee arthroplasty procedures at least 95% of the time.⁴ Stryker Navigation utilizes sophisticated algorithms to ensure accurate registration information when calculating the mechanical axis. Ultimately, surgical navigation optimizes implant alignment to promote improved outcomes for each individual patient.⁵



Express Success

Reconstructive

Hips
Knees
Trauma & Extremities
Joint Preservation
Orthobiologics

Medical & Surgical

Power Tools & Surgical Accessories
Image Guided Navigation
Endoscopy & Arthroscopy
Integrated Communications
Beds, Stretchers & EMS
Sustainability Solutions

Neurotechnology & Spine

Craniomaxillofacial
Interventional Spine
Neurosurgical, Spine & ENT
Neurovascular
Spinal Implants

References

1. Precision Instrument Weight Analysis, Technical Memo to DHF 0930, June 17, 2011.
2. US Markets for Surgical Navigation Systems 2012, Millennium Research Group, May 2012.
3. Elfring R, de la Fuente M, Radermacher K. Assessment of optical localizer accuracy for computer-aided surgery systems. *Comput Aided Surg.* 2010;15(1-3):1-12.
4. Anderson K, Buehler K, Markel D. Computer Assisted Navigation in Total Knee Arthroplasty Comparison with Conventional Methods. *The Journal of Arthroplasty.* Vol. 20 No. 7 Suppl.3 2005.
5. Choong P, Dowsey M, Stoney J. Does Accurate Anatomical Alignment Result in Better Function and Quality of Life? Comparing Conventional and Computer-Assisted Total Knee Arthroplasty. *The Journal of Arthroplasty.* Vol.24 No.4 2009.

The information presented in this brochure is intended to demonstrate a Stryker product. Always refer to the package insert, product label and/or user instructions before using any Stryker product. Products may not be available in all markets. Product availability is subject to the regulatory or medical practices that govern individual markets. Please contact your Stryker representative if you have questions about the availability of Stryker products in your area. Stryker Corporation or its divisions or other corporate affiliated entities own, use or have applied for the following trademarks or service marks: OrthoMap and Stryker. All other trademarks are trademarks of their respective owners or holders.

Literature Number: 9100-001-663 Rev. None
DDM/PS 1k 7/12

Copyright © 2012 Stryker
Printed in USA

Stryker Navigation
4100 East Milham Avenue
Kalamazoo, MI 49001 USA
t: 269 323 7700, f: 800 999 3811
toll free: 800 253 3210

Stryker Leibinger GmbH & Co. KG
Bötzingen Straße 41
D-79111 Freiburg, Germany
t: + 49 761 4512 0, f: +49 761 4512 120

www.stryker.com/navigation
www.KnowCAS.com