
OrthoMap® Precision Knee Navigation Software
Automatic Implant Sizing and Positioning: Based on each patient’s unique anatomy, Stryker’s sophisticated sizing and positioning algorithm offers enhanced visualization of the anterior match to calculate the optimal implant size, flexion, and AP position to avoid notching.

Fit Analysis: The amount of uncovered bone above and below the implant’s anterior flange and the maximum gap between the implant’s anterior flange and the bony anatomy is represented graphically and numerically, in real time, prior to resections.

Intuitive Software Solutions: The Reactive Workflow feature seamlessly maneuvers through kinematic and resection screens based upon the position of the trackers, eliminating the need for user interaction.

Custom Workflow Options: Customizable workflow allows surgeons to adapt the software to their specific operative technique.

Gap Balancing: The optional gap balancing feature provides the surgeon with a preview of the flexion/extension gaps in real time before any femoral resections are made. This feature is available for all implant systems.

Versatility: Open platform software and cutting guides allow for navigation of primary femoral and tibial resections as well as kinematic analysis for the surgeon’s preferred implant system.

Kinematic Feedback: Pre-operative and post-operative comparisons of maximum flexion/extension and varus/valgus values provide intra-operative range of motion analysis.

Supports Minimally Invasive Techniques: Navigation enables the surgeon to eliminate the intramedullary rod in total knee procedures, which has been found to significantly decrease fat emboli.1

The Total Knee Solution
Stryker — the market leader in orthopaedic navigation — is committed to delivering unparalleled accuracy and control. Stryker’s proprietary tracking technology has produced the most accurate optical navigation camera on the market. When such industry-leading accuracy is combined with Stryker Navigation’s smart instruments, the result is confidence in the OR, 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. Stryker Navigation utilizes sophisticated algorithms to ensure accurate registration information when calculating the mechanical axis. Ultimately, surgical navigation optimizes implant alignment to promote improved patient outcomes.

Trusted Accuracy
Proven Results

Stryker NAV3 Platform

Gap balancing features in flexion and extension

Pre-operative and post-operative kinematic comparison
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, Stryker NAV3 and Stryker. All other trademarks are trademarks of their respective owners or holders.

References


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, Stryker NAV3 and Stryker. All other trademarks are trademarks of their respective owners or holders.

Literature Number: 9100-001-755 Rev. None
DDM/PS 1k 9/12
Copyright © 2012 Stryker
Printed in USA