

# Robotics-assisted total knee arthroplasty

Available for the JOURNEY<sup>◇</sup> II, LEGION<sup>◇</sup>, and GENESIS<sup>◇</sup> II Total Knee Systems, the NAVIO system delivers consistent and accurate total knee arthroplasty through handheld robotics, CT-free navigation and NAVIO-specific cut guides. NAVIO intraoperative planning software uses soft-tissue and 3D surface capture to collect joint laxity, enable precise implant positioning, and customize a solution for each patient.



JOURNEY II CR



JOURNEY II BCS



LEGION PRIMARY CR



LEGION PRIMARY PS



GENESIS II

# Procedure overview: NAVIO<sup>®</sup> Total Knee Arthroplasty

## CT-free registration

- Virtual representation of a patient's anatomy
- Direct mapping of articular bone surface
- Soft-tissue laxity collection throughout the entire ROM



CT-free registration and joint laxity collection

## Surgeon-controlled planning

- 3D views of transverse, sagittal, and coronal planes
- Solid surface and cross sectional representation of joint anatomy
- Intraoperative patient-specific planning for implant placement and soft-tissue balancing
- Confirmation of cut guide size and placement on bone surface



Surgeon controlled implant planning

## Robotics-assisted bone preparation

- Multiple bone removal options:
  - Captured saw cuts placed with robotic-assistance
  - Fine-tune bone preparation with robotic-assisted bur for varus/valgus, slope, and 0.5mm resection level adjustments
- Virtual resection tool to confirm varus/valgus, flexion and rotation for both pre and post bone removal



Robotics-assisted preparation and cut confirmation

## Postoperative assessment

- Comparison of achieved gaps throughout ROM
- Confirmation of final long leg alignment



Postoperative long leg alignment and gap assessment

To learn more about NAVIO robotics-assisted orthopaedic surgery or to set up a demonstration, visit [www.ReshapingMobility.com](http://www.ReshapingMobility.com)

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