

Robotic Arm Interactive Orthopedic System (RIO®)

The RIO® Robotic Arm Interactive Orthopedic System features three dimensional pre-surgical planning. During surgery, the RIO® provides the surgeon with real-time visual, tactile and auditory feedback to facilitate optimal joint resurfacing and implant positioning. It is this optimal placement that can result in more natural knee motion following surgery.

RIO® assists the surgeon in achieving natural knee kinematics and optimal results at a level of precision previously unattainable with conventional instrumentation.

- Accurately plan implant size, orientation and alignment utilizing CT-derived 3-D modeling
- Enabling the pre-resection capture of patient-specific kinematic tracking through full flexion and extension
- Real-time intra-operative adjustments for correct knee kinematics and soft-tissue balance
- Minimally invasive and bone sparing, with minimal tissue trauma for faster recovery