ANTHEM®
Total Knee System
Value Brief
The **ANTHEM** Total Knee System is designed to meet the needs of all stakeholders.

**SURGEON**
The ANTHEM Total Knee System builds upon established design fundamentals, while incorporating advanced features to improve implant fit, enhance the surgical experience, and reduce clinical compromise. After extensive research in conjunction with global experts, the ANTHEM design has been optimized to provide a better implant fit for a wider range of patient anatomies. Built upon the clinically successful technology based on the GENESIS II design and its nearly 20 years of clinical data, the ANTHEM knee provides the same clinically proven articulation.

The ORTHOMATCH Universal Instrumentation platform reduces the number of surgical steps in a three tray configuration. By use of multifunction, ergonomic, and modular instruments the surgical flow is streamlined, while not sacrificing intraoperative flexibility.

**PATIENT**
Conceived to satisfy the unmet needs of the global patient, the ANTHEM Total Knee System is based on a trusted design that has provided reliable pain relief and improvement in knee function to TKA patients for over 15 years. The fit of the ANTHEM implant has been specifically developed to accommodate the differences seen in the size and shape of patients’ bones from diverse population groups worldwide.

The ANTHEM knee has been designed to deliver improved value for those undergoing medical care with a goal to make total knee replacement more accessible, more affordable and more appropriate without compromising on quality, functional outcome, or implant longevity.

**PROVIDER**
With increased social awareness related to Total Knee Arthroplasty, higher expectations from patients, and increasing pressure on hospital budgets, healthcare providers demand reliable, high quality products that are both cost effective and continue to improve patient outcomes. The ANTHEM knee system offers exceptional value in Total Knee Arthroplasty by harnessing cutting edge technological advances while incorporating local insights and design inputs. By offering a total knee system in a three tray configuration, significant cost saving can be realized by reduced processing and sterilization, in addition to significant procedural efficiency gains in the operating room. To facilitate tangible economic value realization for payers, the ANTHEM knee is also coupled with Syncera, a progressive operating model offering a portfolio of value solutions personalized to customers’ needs.

* when utilizing polymer femoral trials
ANTHEM Total Knee System

The ANTHEM Total Knee System was designed to provide an advanced and globally relevant prosthesis and instrumentation system while being accessible to all arthroplasty surgeons and patients.

- The ANTHEM knee system is a total knee prosthesis with advanced femoral and tibial anatomic design to promote improved anatomic implant fit for all patients globally.

- The ANTHEM knee system is based upon trusted design pedigree incorporating clinically advanced technology such as the tibio-femoral articulation and patello-femoral function equivalent to the GENESIS™ II Total Knee System, which exhibits a 98% survivorship at 15 years.

- The ANTHEM Total Knee System coupled with ORTHOMATCH Universal Instrumentation platform has been developed in conjunction with leading surgeons from Emerging Markets and Europe proving benefits by creating efficiency through intelligent design which translates into tangible value for surgeons, patients and healthcare providers.

Improving anatomic implant fit
- Enhanced femoral and tibial anatomic implant fit for all patients
- Anthropometrically optimized low profile femoral anterior flange to reduce incidence of overhang
- Bone conserving femoral PS box design preserving intercondylar notch bone stock
- Anatomic asymmetric tibial baseplate design with shorter, medialized tibial stem to suit a wider range of anatomies

Advanced technology
- Equivalent implant tibio-femoral kinematics and articulation to the clinically successful GENESIS™ II design
- Patella Friendly S-curve funnels patella to facilitate tracking toward midline in deep flexion
- Hi Flexion insert accommodates up to 155 degrees of flexion
- Tibial base plate with patented DURAHONE™ Advanced Finishing technology surface finish to reduce surface roughness and to decrease micromotion minimizing hackside wear
- The ANTHEM Knee System is compatible with all GENESIS and LEGION™ tibial inserts and tibial baseplates for addition of stems and wedges for complex primary procedures

Efficiency through intelligent design
- ORTHOMATCH Universal Instrumentation platform encompasses a comprehensive primary TKA system in just three trays*
- Efficient, Intuitive, and Effective system providing streamlined and reproducible surgical flow
- State of the art low weight, durable materials with reduced instrument footprint to reduce hospital costs

ORTHOMATCH Universal Instrumentation

* ORTHOMATCH three Tray configuration includes polymer femoral trails
References

1. ANTHEM AdAM (Anatomical Data Mining) CT data utilising Caucasian, Chinese, India, Middle Eastern and African data sets. Data on file
2. Smith & Nephew, Inc. ANTHEM™ PS Total Knee System: 510(k) Summary. Pg E2-1-2