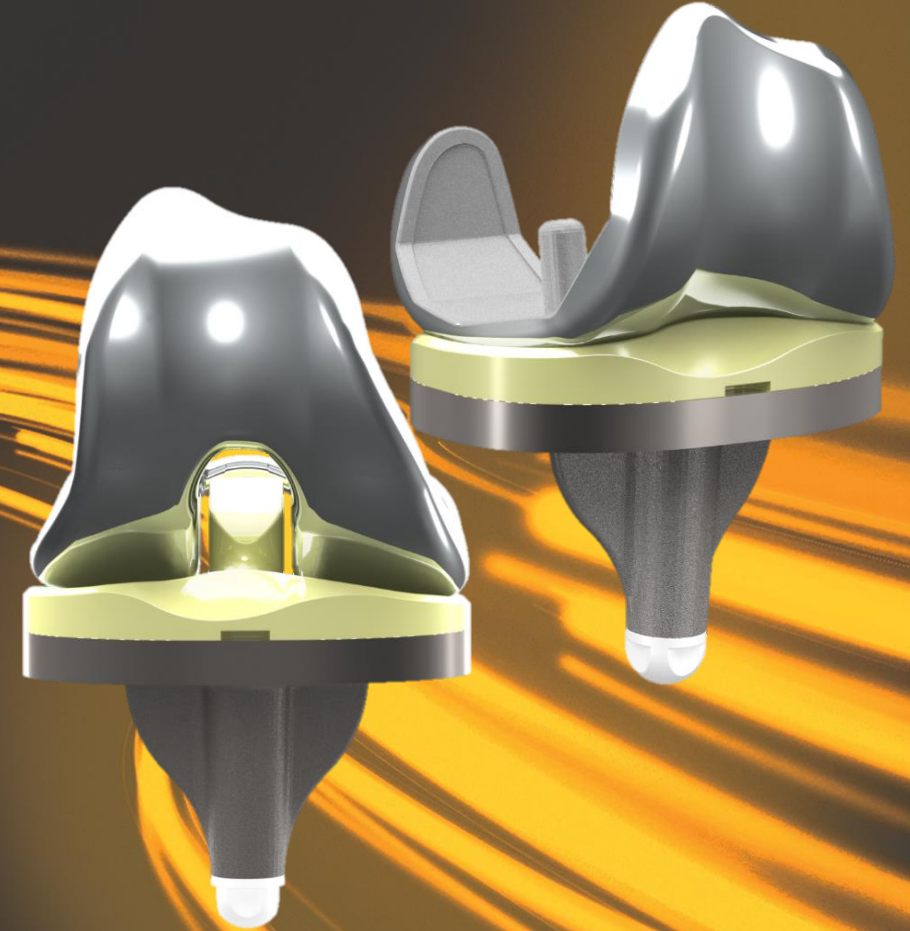


Identity Imprint[™] Design Overview

MK-03336-AA



IDENTITY IMPRINT™

The best of **personalized design** with
the **convenience and flexibility** of an off-the-shelf system

Conformis® has built upon our patient-specific heritage to create the most data-informed implant system on the market, Identity Imprint™. Imprint was derived from the analysis of 85,000 patient CT scans to develop standard implant sizes with an emphasis on fit and kinematics.

The optimal implant for your patient is pre-selected by Conformis using a proprietary sizing algorithm. Implants and iJig® disposable instruments are sterile-packed into our Surgery-in-a-Box™, complete with an iView® Patient-Specific Surgical Plan, and delivered to your hospital. Along with the Imprint Surgery-in-a-Box, a single reusable instrument tray is required.

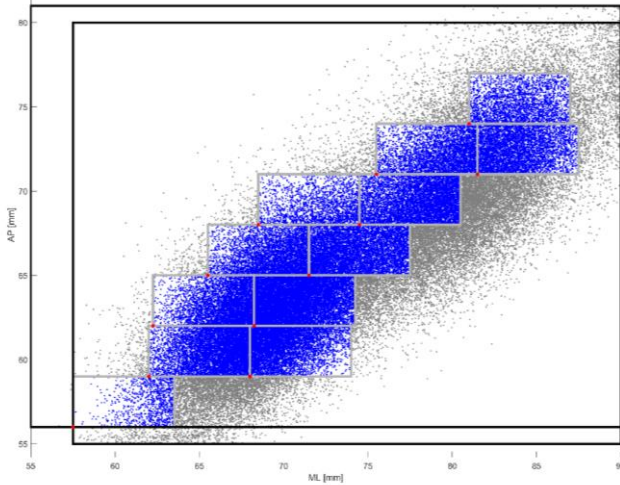
This delivery model has been proven to drive efficiency and cost-savings for our customers, without sacrificing clinical value.



Un-Paralleled Patient Data Base

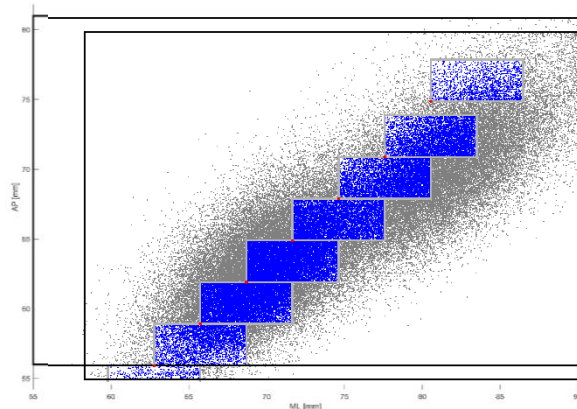
Patients are at the heart of everything we do at Conformis and Imprint is no different. We started with 85,000 patient CT scans to create 12 standard implant sizes with optimized AP and ML fit, resulting in up to **20% better coverage** over our competitors.

Identity Imprint
76% Population Coverage

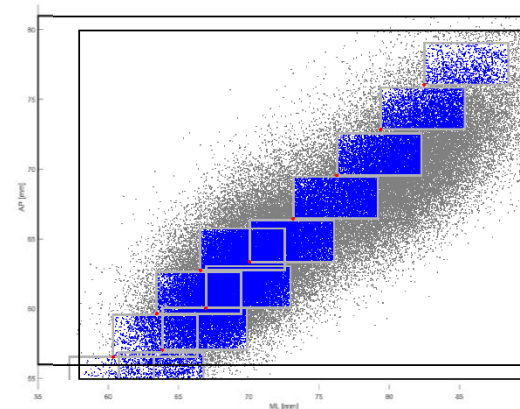


Each gray dot represents one of our 85,000 iTotal[®] patients. The blue boxes represent patients optimally covered by one of the 12 Imprint sizes.

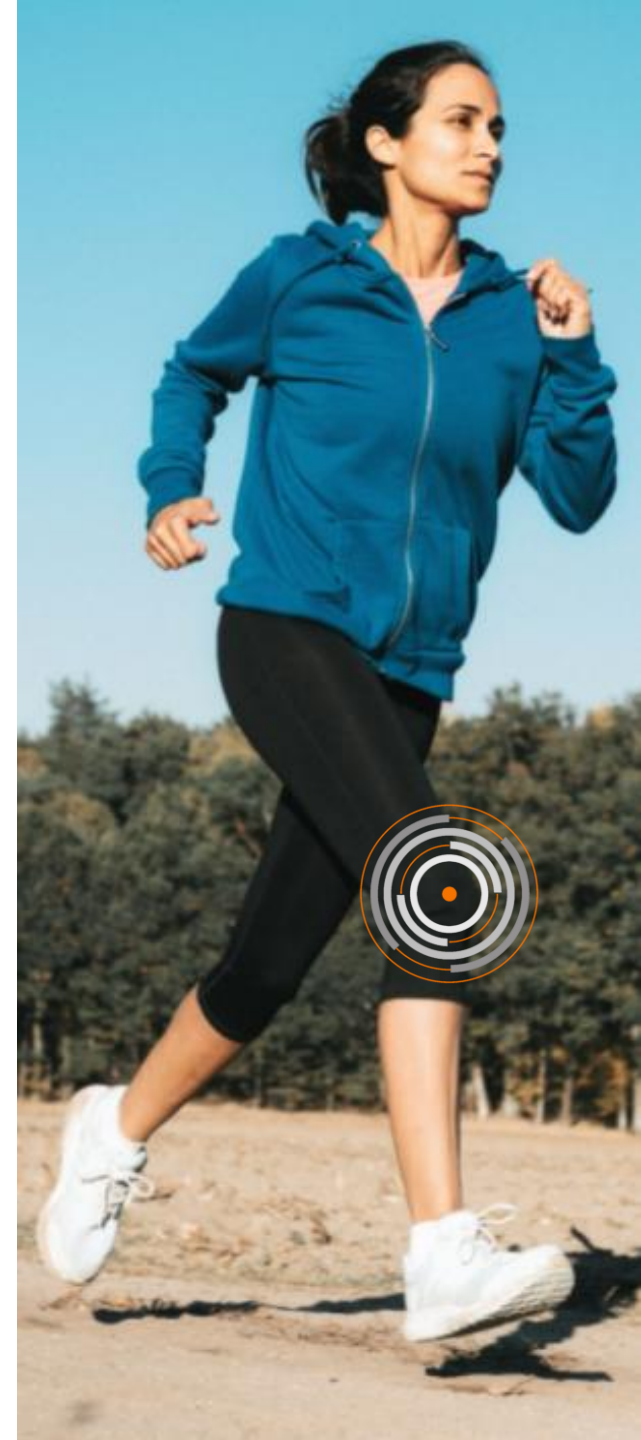
Competitor A
55% Population Coverage



Competitor B
58% Population Coverage

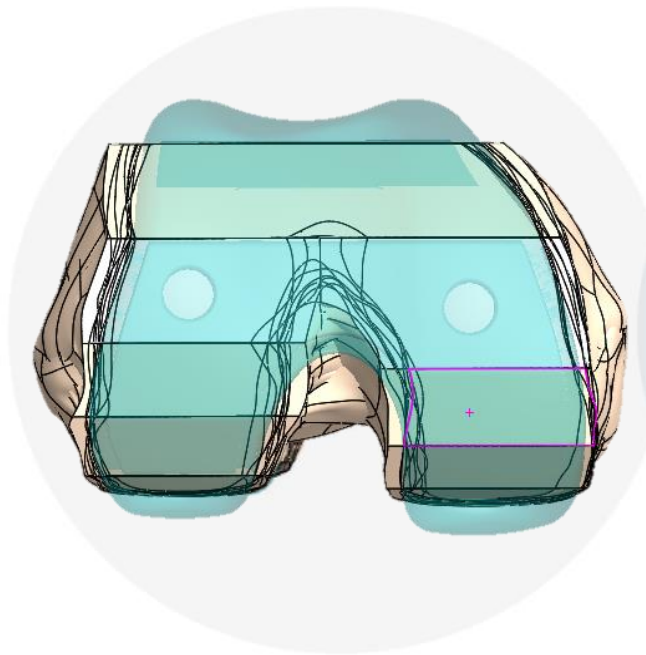


Competitive systems have been designed with limited patient data and force compromises in fit.

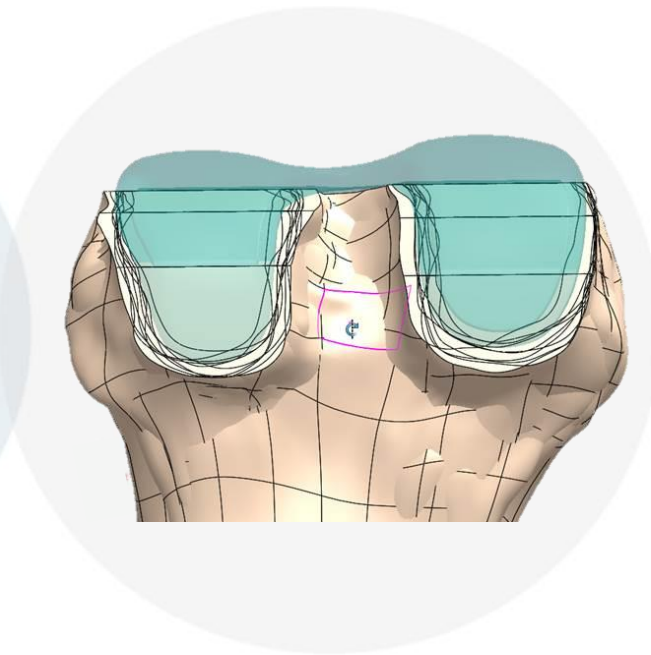


Morphologic Implant Shape

Once optimal AP and ML sizes were established, we aggregated hundreds of real patient implant designs from our data base to create implant shapes that **better match patient anatomy**. The result is a morphologic implant with distinct medial and lateral condylar shapes.

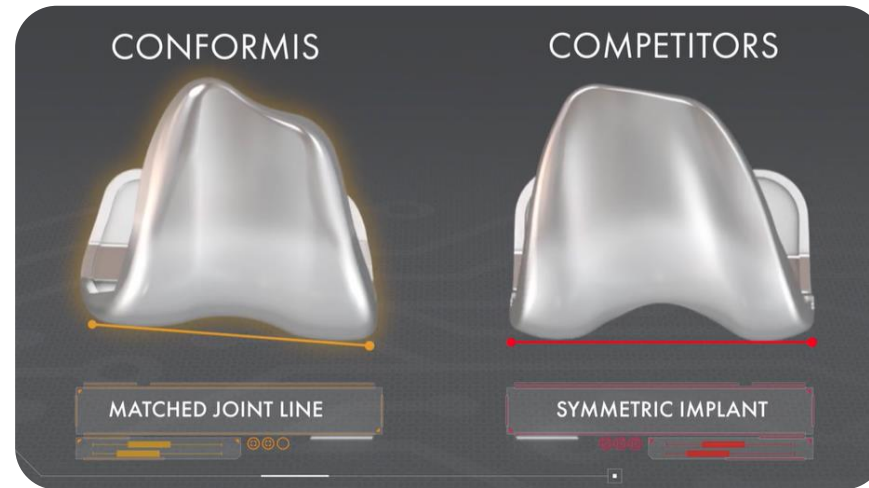


Each black line represents a different iTotal femoral implant profile sourced from Conformis' extensive patient specific library



Anatomic Joint Line

Competitive implants are symmetric, forcing a mismatch between the implant and patient's native joint. Imprint femoral implants have **asymmetric distal and posterior offsets built from real patient data**. These condylar offsets vary throughout our size range.



Each femoral implant has a matching tibial baseplate and polyethylene insert, minimizing compromises in fit and range of motion. The distal femoral offset is matched in the corresponding asymmetric tibial insert to maintain the anatomic joint line. The insert also maintains the asymmetric medial and lateral constraint that has been clinically proven as part of our iTotal implant system to better replicate normal knee motion.¹



¹Zeller, Ian M., Adrija Sharma, William B. Kurtz, Mathew R. Anderle, and Richard D. Komistek. "Customized versus patient-sized cruciate retaining total knee arthroplasty: an in vivo kinematics study using mobile fluoroscopy." The Journal of Arthroplasty 32.4 (2017): 1344-1350.

Surgery-in-a-Box Delivery Model

Starting with a CT scan and using a proprietary algorithm, Conformis will select the optimally sized implant for each patient. Patient-specific iJigs are then designed along with our iView Surgical Plan to provide a pre-navigated procedure without the need for a capital-intensive robot. The iJig disposable instrumentation, iView, pre-sized implants, and full insert thickness range are packaged in our Surgery-in-a-Box. Together with a single reusable instrument tray, this delivery model can improve efficiencies both inside and outside the OR without sacrificing clinical value.

