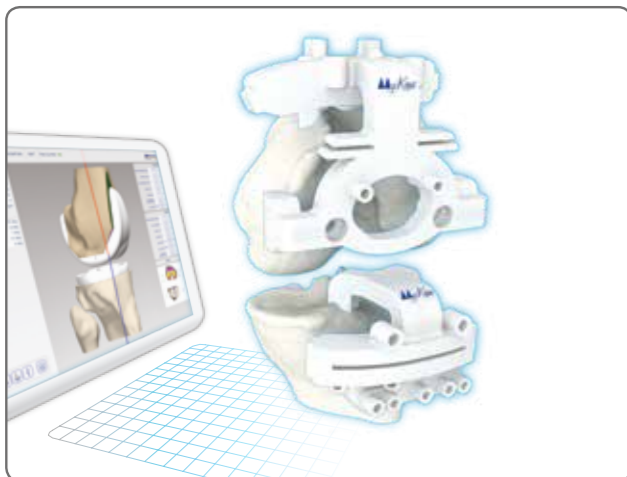


## ADVANCED TECHNOLOGIES FOR TKA

Medacta offers the opportunity to experience GMK implant range, an **anatomical system with enhanced benefits and proven efficiency**<sup>[1]</sup>, in conjunction with the **innovation and accuracy of a 3D printed cutting blocks solution, designed for each individual patient: MyKnee**<sup>[2-10]</sup>. Furthermore, MyKnee cutting blocks can be used in conjunction with the GMK Efficiency, a complete single use instrument set, maximising economical and clinical benefits.

### MyKnee PATIENT MATCHED TECHNOLOGY IN KNEE REPLACEMENT



The MyKnee provides a unique set of potential benefits:

- **THIS ONE WORKS!** Proven accuracy and effectiveness of MyKnee<sup>[2-11]</sup>.
- **CT or MRI based.**
- **Significant time and cost savings** for the hospital<sup>[12-14]</sup>.
- **Online interactive 3D planning.**
- **Complete in-house technology** ensuring the assistance of a personal MyKnee technician and only **3 weeks lead time!**

### GMK Efficiency SINGLE USE INSTRUMENTS IN KNEE REPLACEMENT



GMK Efficiency instrumentation can be used both in conjunction with MyKnee and as a stand-alone solution to implant either **GMK Sphere** or **GMK Primary**. This advanced solution boasts a series of benefits<sup>[15-17]</sup>:

- **Delivered sterile**, GMK Efficiency is **always ready for a surgery.**
- **Cost of washing and sterilising** of metal instruments is **potentially eliminated.**
- **Instrument management is optimised**, streamlining logistics and back-table preparation in the O.R.

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GMK UNI



Anatomic and symmetric femur both for medial and lateral compartment.

Same femoral resection profile for each size.

Tibial tray available in metal back and full PE fixed version.

Only two instrument trays required to complete a surgery.

GMK SPHERE



Medial ball-in-socket provides high stability throughout the range of motion.

Patient-specific kinematics with an unconstrained lateral compartment.

Patella-friendly design reduces patello-femoral joint pressure and potentially anterior knee pain.

Anatomical fit provided by 13 femoral sizes and anatomical tibial baseplate.

GMK PRIMARY



Complete product range: cruciate retaining, ultracongruent and posterior-stabilised.

Both mobile and fixed bearing version available.

Bone preserving design that avoids the femoral box.

Anatomic deep design of the trochlea groove.

GMK REVISION SYSTEM



GMK REVISION



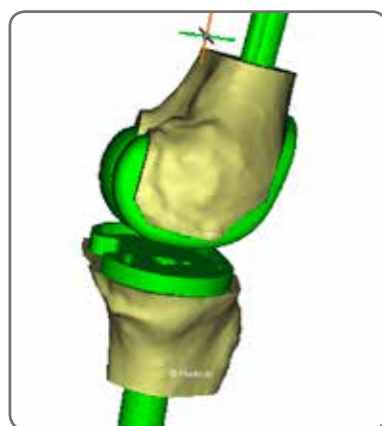
GMK HINGE

Various levels of constraint available for GMK REVISION with an ultracongruent, a posterior-stabilised and a semi-constrained version, and a solution for severe ligament instability and bone defects, GMK HINGE.

The femoral component has a bone preserving design as it requires minimal condylar resections and a reduced intercondylar box.

Wide range of options: cemented or cementless extension stems, 360° offset option, tibial and femoral augments.

EXPERIENCE THE SYNERGY BETWEEN THE GMK SYSTEM AND MYKNEE!



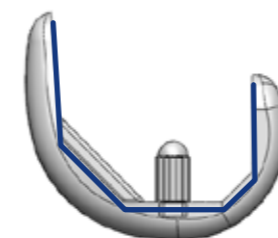
MyKnee patient matched technology can be used to precisely plan both unicompartmental knee replacement and primary total knee arthroplasty with cutting blocks specifically designed on patient anatomy.

MyKnee crossover technique allows the surgeon to select among wedges, augments and stems in order to address the specific revision surgical scenario and to verify the final position of the components.

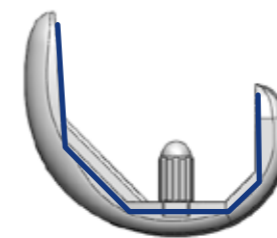
FULL TRANSITION THROUGH THE SYSTEM

GMK SYSTEM has been conceived to provide surgeons with a complete range of knee arthroplasty options, aiming to fulfill specific patient needs. The strength of the system is the synergy between the available solutions:

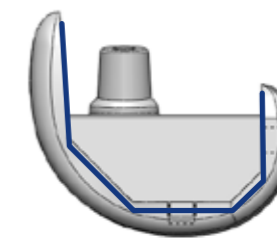
- The femoral components of primary and revision prosthesis have the same internal profile, ensuring maximum intra-operative flexibility to address different surgical scenarios.
- The modularity of the GMK instruments allows the surgeon to better adapt his/her approach to specific situations.



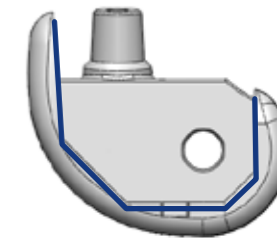
GMK SPHERE



GMK PRIMARY



GMK REVISION



GMK HINGE