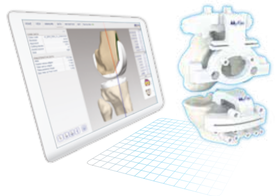
GMK PRIMARY INSTRUMENTS

Femur First or Tibia First Procedures, Intramedullary or Extramedullary Instrumentation to suit your preferences

Ergonomic and MSS*-Friendly Cutting Blocks

4in1 speed blocks for accurate and time-effective femoral preparation

Accurate soft tissue management due to the innovative Ligament Balancing System and the Ligament Tensor Device.



The MyKnee cutting blocks are created to accurately match the surgeon's preoperative planning, **based on the individual patient's anatomy and his mechanical axis.**

GMK PRIMARY

EXPERIENCE THE SYNERGY BETWEEN THE GMK PRIMARY AND MYKNEE

Medacta offers you enhanced benefits with an anatomic and proven system such as GMK[2], via the innovation and accuracy of a system specifically designed for each and every patient: MyKnee.[3-13]

MyKnee is a patient-specific cutting block, allowing the surgeon to realise his pre-operative 3D planning, based on CT or MRI images of the patient's knee.

Designed for you by you!

MyKnee PATIENT MATCHED TECHNOLOGY IN KNEE REPLACEMENT

The MyKnee technology provides a unique set of potential benefits:

- **THIS ONE WORKS**: proven accuracy and effectiveness of MyKnee.[3-13]
- Actual cutting blocks, not just pin positioners
- CT or MRI based
- Significant time and costs savings for the hospitals, allowing for one extra-case per surgery session.[9,11]
- Online interactive 3D planning
- Complete in-house technology, including the assistance of a personal MyKnee technician and **only 3 weeks lead time!**

REFERENCES

[1] Data on file Medacta International **[2]** *Anderl W, Canciani JP, Chalencon F, Du Plessis D, Lambert P, Leon V, Meriaux JL, Meystre JL, Mendelin R, Vié P, Wootton J. Global Medacta Knee Prosthesis GMK Primary - 1 year clinical outcomes. M.O.R.E. Journal, 2011, May; Vol.1: 17-20.* **[3]** *Leon V. Patient matched technology vs conventional instrumentation and CAS. Poster at the 13th EFORT Congress, Berlin, Germany, May 23-25, 2012.* **[4]** *Koch P et al. Guide de coupe sur mesure pour PTG : présentation de la technique opératoire et résultats radiologiques préliminaires. Podium Presentation at the 86th SOFCOT Annual Meeting, Paris, France, November 7-11, 2011.* **[5]** *Dussault M, Goldberg T, Greenhow R, Hampton D, Parry S, Slimack M. Preoperative planning accuracy of MyKnee system. M.O.R.E. Journal, 2012; Vol.2: 22-25.* **[6]** *Müller D et al. CT based patient-specific cutting blocks for total knee arthroplasty: technique and preliminary radiological results. Podium Presentation at the 71st SSOT Annual Meeting, Lausanne, Switzerland, June 22-24, 2011.* **[7]** *Goldberg T et al. Clinical Outcomes of Patient-Specific (MyKnee) Cutting Blocks in Total Knee Arthroplasty: Preliminary Prospective Study Results. Poster at 12th CAOS Annual Meeting, Seoul, South Korea, June 13-16, 2012.* **[8]** *Trong M et al. Patient specific cutting blocks improve accuracy of mechanical alignment in total knee arthroplasty. Poster in the 72th SSOT Annual Meeting, Basel, Switzerland, June 27-29, 2012.* **[9]** *Goldberg T. MyKnee economical and clinical results. Podium Presentation at the 6th M.O.R.E. International symposium, Stresa, Italy, May 13-14, 2011.* **[10]** *Koch P - MyKnee System - A new vision in total knee replacement. Leading Opinions - Orthopädie & Rheumatologie 2, 2011; 32-35.* **[11]** *Gagna G. Aspects économiques de la technologie sur mesure MyKnee en chirurgie prothétique du genou. Podium Presentation at the SOFCOT Annual Meeting, Paris, November 11-14, 2012.* **[12]** *Baldo F, Bonifanti B – Patient-specific cutting blocks for total knee arthroplasty: preoperative planning reliability. J Orthopaed Traumatol (2011) 12 (Suppl 1): S23-S88.* **[13]** *Koch PP, Müller D, Pisan M, Fucentese SF. "Radiographic accuracy in TKA with a CT-based patient-specific cutting block technique" Knee Surg Sports Traumatol Arthrosc. Knee. DOI 10.1007/s00167-013-2625-6.*

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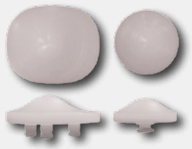
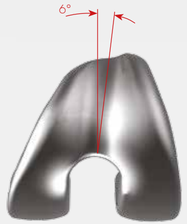
Medacta International

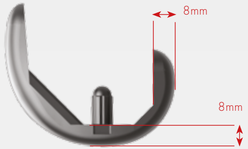
GMK PRIMARY IMPLANT



In addition to the traditional Symmetric Inset Patella, **GMK also offers the Asymmetric Resurfacing Patella** increasing the patella-femur contact surface, reducing stress on polyethylene and improving stability.[1]



Anatomic Design of The Trochlea optimizes the patella tracking, reduces stress on the patella tendon and lowers the risk of patella dislocation.[1]

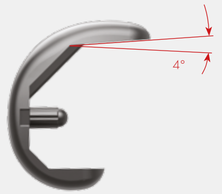


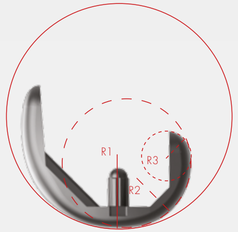
Bone Preserving Femoral Component: 8mm distal and posterior condyles.
Same thickness of distal and posterior condyles regardless of the size being implanted.

Mirror Polished Surface of the Tibial Baseplate minimises backside wear.[1]

Inlay Clipping Mechanism assures time-effective and safe implantation.[1]

4° Anterior Cut creates a «wedge » effect that improves primary stability and simplifies impaction.[1]





J-Curved Sagittal Profile allows more natural knee kinematics, improves knee flexion and promotes "rollback" of the femoral component.[1]

Asymmetric Design of the Tibial baseplate maximises bone coverage, assures optimal load distribution and avoids the risk of overhang.[1]

PRODUCT RANGE

...our comprehensive product range - your flexible solution!

FEMORAL COMPONENT

- 15 sizes STD / PS
- Anatomical: left and right
- Material: Cobalt-Chrome
- Cemented: 0.5 mm deep pockets
- Cementless: Porous Titanium + Hydroxyapatite
- Antiallergic TiNb coated version

INLAY

- 6 sizes STD, UC and PS fixed
- 7 sizes STD and UC mobile
- Five levels of thickness (10, 12 ,14, 17, 20 mm)
- Material: UHMWPE

TIBIAL COMPONENT

- 6 sizes
- Anatomical: left and right
- Material: Cobalt-Chrome
- Cemented: 0.5 mm deep pockets
- Cementless: Porous Titanium + Hydroxyapatite
- Antiallergic TiNb coated version

PATELLA

- 4 sizes inset and resurfacing
- Material: UHMWPE
- Cemented
- One fixation pegs / Three fixation pegs

TIBIAL EXTENSION STEM

- 2 sizes: D11 mm x L30 mm
  D11 mm x L65 mm
- Cemented

DISCOVER THE OTHER MEMBERS OF GMK FAMILY

GMK SYSTEM
GLOBAL MEDACTA KNEE