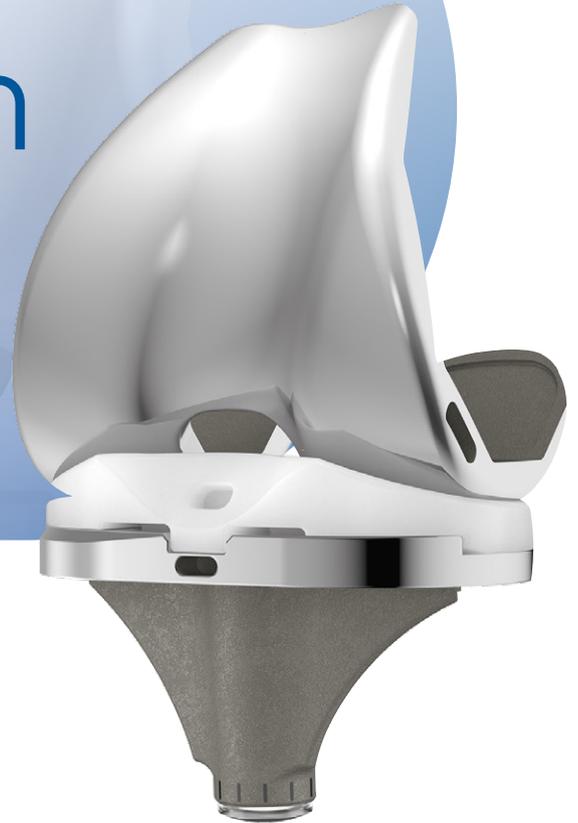


# 5C<sup>®</sup> CR Knee System



# Connection Through Innovation

Developed by implantcast in collaboration with experts from five continents, the **5C<sup>®</sup>** knee system (*5 Continents*) represents global expertise and forward-thinking design.

With four distinct system variants, each tailored to a specific kinematic principle, the system offers individualized solutions for a wide range of anatomical and functional needs.

The **5C<sup>®</sup>** CR system relies on soft-tissue-guided stability and is aligned with the natural kinematics of the knee. Its single-radius design helps maintain consistent ligament tension, particularly in mid-flexion. Reduced congruency between the PE insert and the femoral component, especially in deep flexion, is intended to support physiological rollback, while the overall insert geometry is specifically designed to promote soft-tissue-driven joint motion.

## Milestones 5C<sup>®</sup>





**Cruciate Retaining**  
with single-radius design



**Reduced Congruency**  
for soft-tissue-guided motion



**Improved Patella Tracking**  
due to optimized sulcus angles



**Ultra-Slim Design**  
only 8 mm implant thickness



**Precise Fit**  
thanks to fine size increments

# CR – Cruciate Retaining

Supports Soft-Tissue-Guided Joint Motion



## Mid-Flexion Stability

single-radius design supports natural joint stability



## Preservation of Function Through Design

flattened inlay and posteriorized contact points reduce functional limitations

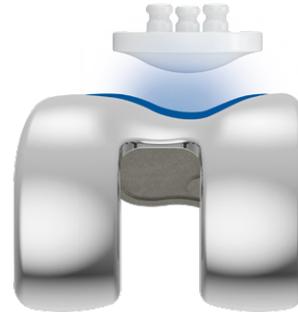
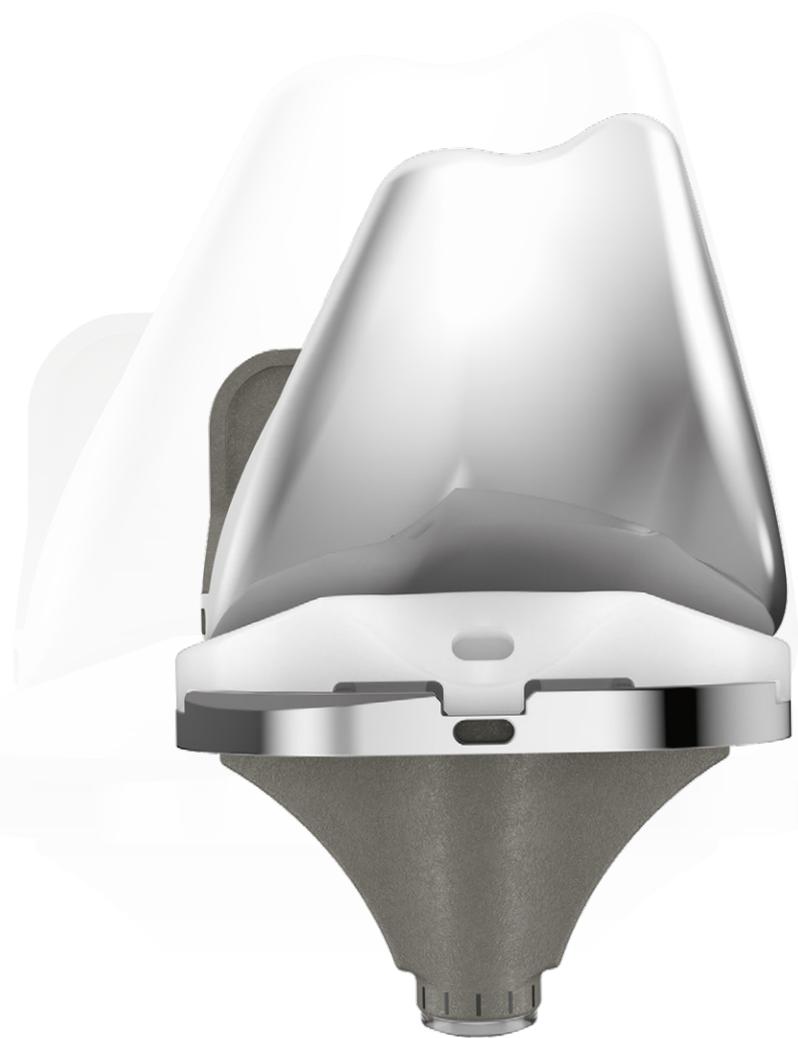


## Supports Natural Motion

reduced congruency promotes soft-tissue-guided movement



Contact points between the femur and PE insert at different degrees of flexion



### **Optimized Patella Tracking**

2 mm lateralization combined with a trochlear groove aligned with the quadriceps pull direction



### **High Sulcus Angle**

ensures smooth patellar engagement, natural tracking, and minimizes the risk of overstuffing



### **Optimized Patellofemoral Contact Surface**

lowers contact pressure and allows for a more physiological patellar tilt and shift

# Uncompromising in Design – Reliable in Performance



## Standardized Components

identical preparation with only 8 mm femoral and 9 mm tibial resection



## Reproducibility by Design

the femoral component defines the size of the PE insert



## Flexible Compatibility

cross-size combination of PE inserts and five tibial components





### **Fewer Trays, Greater Efficiency**

only four streamlined containers for fast and efficient handling



### **Tailored Precision**

ergonomic, functional and intuitive instruments for individualized adjustment



### **Technology-Driven Implantation**

image-free navigation and collaborative robotics for optimal outcomes



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