

ROSA[®] Knee

with


Optimize[™]



Introducing **ROSA® Knee with Optimize™**

Providing intelligent, personalized surgical plans and enhanced landmarking that reduces surgical variability,¹ driving confidence in accurate and reproducible outcomes.²





An Optimized experience
*achieved through advanced,
personalized technology*

Optimize to Personalize™



Optimize PLANNING™

With our proprietary algorithm, Optimize Planning, you can create up to **seven profiles** based on your knee balancing preferences for the ROSA Knee application.

When you start a case, simply select the profile you want to use. A **customised plan** will automatically display on the user interface to guide implant positioning.

Reduce planning time by up to

46%^{2*}

*On average versus not using Optimize Planning.



Brand: Persona

Femoral Implant*
CR Standard

Template*
Default CR Vers

Tibia Reference Point*
Highest

Profile Name*
TESTR

Extension* Flexion* Gap

PCA Rotation (°)
Stylus Height
Resin (°)

Posterior (mm)
Slope (°)

Buttons: Delete profile, Save Profile

Brand: Persona

Femoral Implant*
CR Standard

Template*
Default CR Vers

Tibia Reference Point*
Highest

Profile Name*
TESTR

Extension* Flexion* Gap

Gap: Total Gap Residual Gap

Gap Shape Extension: Equal

Gap Shape Flexion: Medial Tighter

Medial Extension (mm)

Lateral Extension (mm)

Medial Flexion (mm)

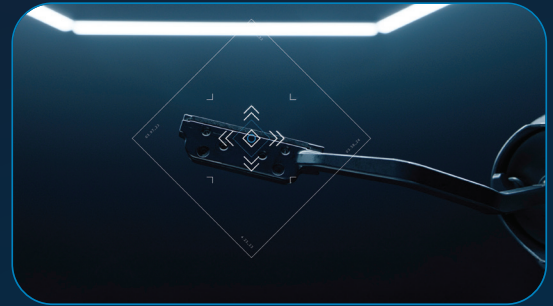
Lateral Flexion (mm)



Optimize TRACKING™

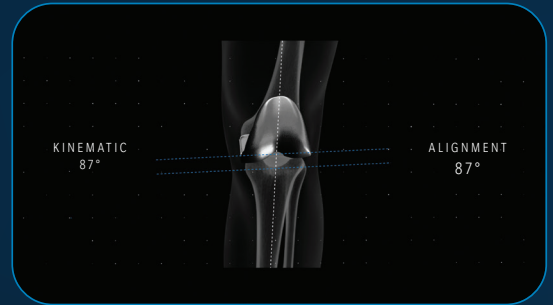
Collaborative resections with motion-sensitive **Active Track™** eliminate the need for pinning the Cut Guide to the bone.

Active Track allows bony resections to remain on plane, even with leg movement.



Optimize KINEMATIC ALIGNMENT™

Automated Kinematic Alignment plan based on bony landmarks to resurface the knee to its pre-arthritic position, enabling you to evaluate the wear, and allowing the planner **to align implant position with the joint line effectively.**





Optimize LANDMARKING™

Landmark the distal points on femoral condyles with our **easy-to-use painting** feature and tibiofemoral contact points in flexion and extension to **reduce user landmarking variability** and **provide consistent landmark positions for accurate resections.**¹

Plus, the **Biomechanical Contact Post** creates a precise starting point for extension and flexion, allowing for improved laxity assessment and enabling accurate implant placement based on patient laxity.¹





Optimize EXPERIENCE™

A simplified user interface allows you to choose specific workflow and display options to tailor your user experience for every case.

See the information you want, when you want and how you want.



Optimize Experience
Menu



Optimize Experience
Menu Hidden

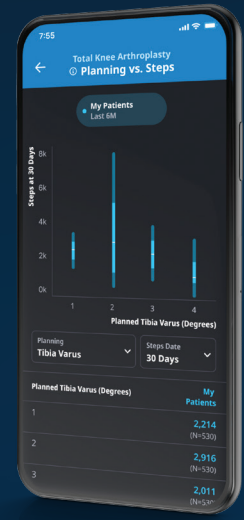
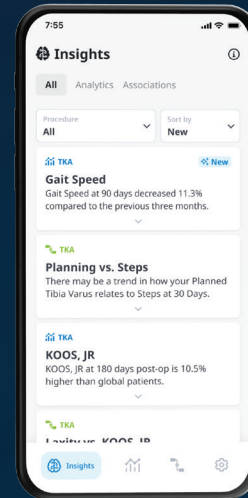
ZBEdge[®] Analytics

ZBEdge[®] Analytics is a data platform that delivers intra-operative, mobility and outcome insights directly to a smartphone, enabling surgeons to objectively assess their performance and understand the potential impact of clinical decisions on patient recovery.

Within ZBEdge Analytics, ROSA Knee surgeons can monitor their performance and benchmark their progress overtime and versus their peers.

Through a personalized dashboard, surgeons can:

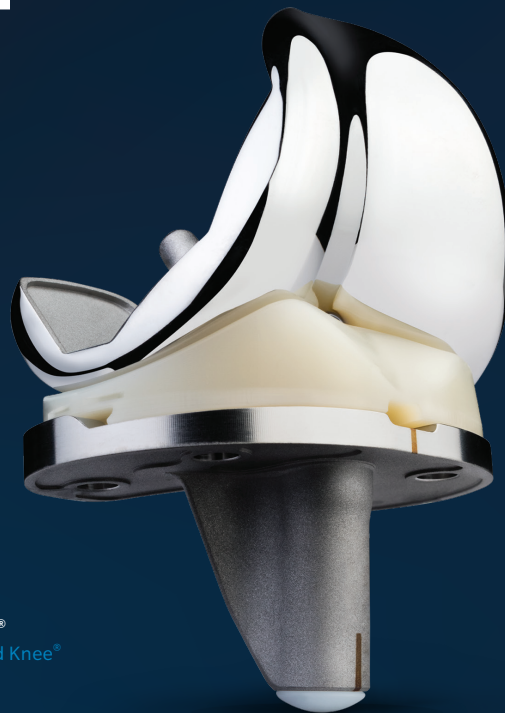
- View their individual performance
- View consistency of surgical times
- Monitor a set of intra-operative metrics for a cohort of patients



The Personalized Pair™

Personalized Fit.^{3,4} Personalized Technique.^{5,6}

Technologies are only as good as the implants they are used with.



Persona®
The Personalized Knee®

Clinical Evidence

ACCURACY



Improved reproducibility of post-operative alignment in valgus deformities and improved tibial component positioning.⁸



May be more effective in challenging cases requiring precise alignment and component positioning.⁸



ROSA Knee provides a cutting error of less than 0.6° for all coronal and sagittal parameters.⁹



0-11% outlier cases compared to up to 30% with conventional TKA.⁹



Assessing flexion laxity with surgeon-applied stress vs a ligament tensor produces nearly identical laxity data. Surgeons may comfortably choose either technique.¹⁰

PATIENT OUTCOMES



95% of patients who had a TKA with ROSA Knee and the Persona implant were happy they had the surgery.¹¹



Patients recovered faster with ROSA Knee plus a personalized alignment technique, compared to conventional total knee arthroplasty.⁶



Robotic-assisted TKA does not increase the risk of periprosthetic joint infection.¹²

EFFICIENCY



Rapid learning curve, with a significant reduction in operative time after first 10 cases.¹³



Operative times can be time-neutral as robotic proficiency improves, compared to conventional total knee arthroplasty.¹⁴

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Legal Manufacturer

ROSA Knee
Zimmer CAS
75 Queen Street, Suite 3300
Montreal (QC)
H3C 2N6, Canada
+1 514 396 5422 or 1 866 3D ORTHO



Legal Manufacturer

Persona
Zimmer, Inc.
1800 West Center Street
Warsaw, Indiana 46580
USA

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