AT A GLANCE

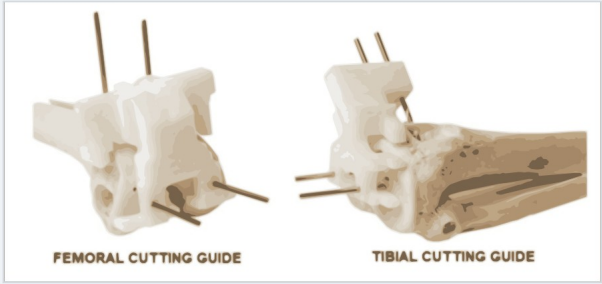
Faster surgeries. Consistent results. Personalized Alignment.

INTENDED USE

Prescription-based, custom-made cutting guides designed to assist surgeons in performing primary bone resections for accurate anatomical positioning of TKR components.

PRODUCT CODES

PtoleKnee 001 - Femur
PtoleKnee 002 - Tibia
Custom - Single use device



LENTO MEDICAL INNOVATION

TECHNICAL DATA

MATERIAL

Acetal copolymer (POM-C), natural white

SUPPLIED

Non-sterile. Femur and tibia per package, 9 × 6 × 3 in. Shelf life 3 months from manufacture.

VALIDATED STERILIZATION

Pre-vacuum steam: 3 min hold at 135 °C (275 °F), 32 min dry time.

CONTACT

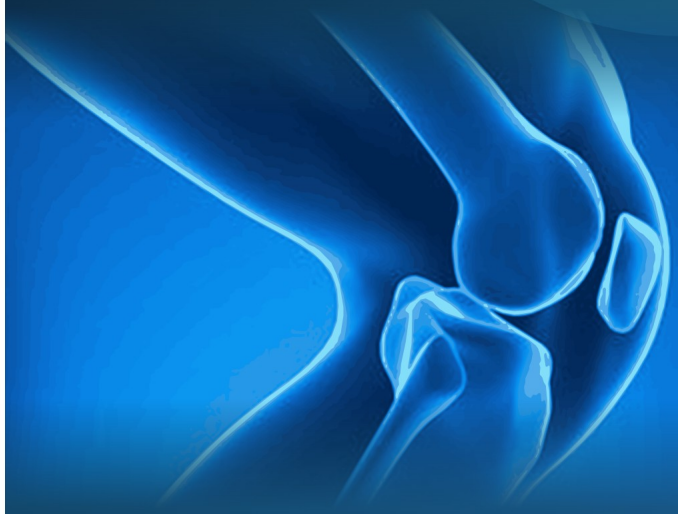
Lento Medical Innovation, Inc.
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PtoleMedic System software: Class IIa medical device, CE 2460, Directive 93/42/EEC, Annex IX Rule 7. PtoleKnee Surgical Guides are custom devices. CND V92.

LENTO MEDICAL INNOVATION



PTOLEMEDIC SYSTEM

PtoleKnee Surgical Guides

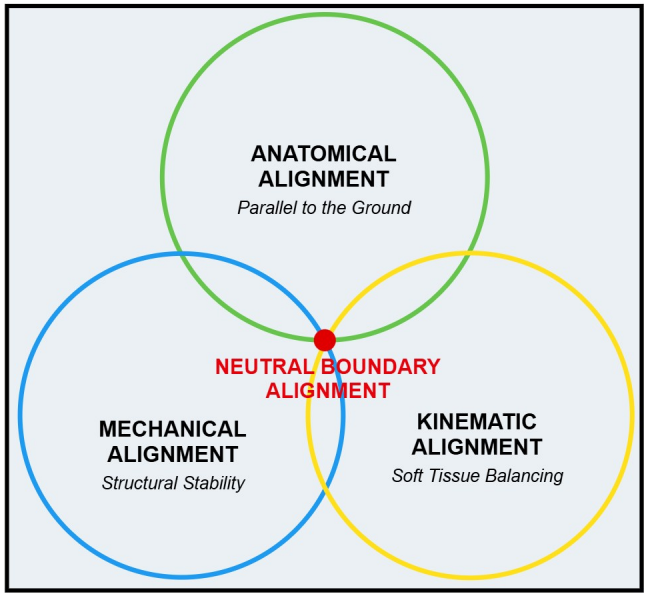
Custom made cutting guides for total knee replacement.

Rev. B. 11/6/2026

OUR TECHNOLOGY

Neutral Boundary Alignment

Our answer to the 50-year-old alignment problem. The PtoleKnee cutting guides deliver our technology: **Neutral Boundary Alignment (NBA)**, a personalized alignment that aims to restore the knee to its form before damage, within ±1 degree.



NBA sits where anatomical, mechanical and kinematic alignment overlap.

HOW IT WORKS

From Scan to OR

1 Scan

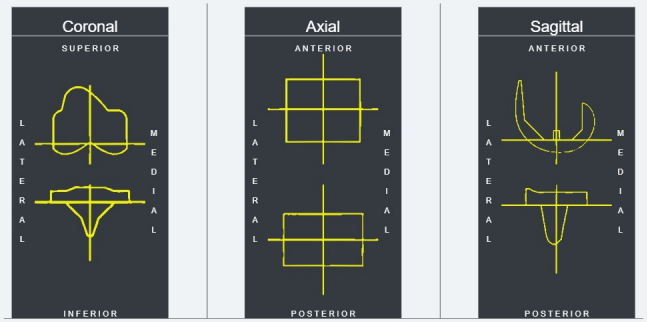
A 15–20-minute MRI examination of the hip, knee, and ankle using a machine-independent MRI protocol, with no exposure to X-Rays.

2 Plan and approval

Implant measurements and position are determined preoperatively. The surgeon approves the planning across three axes before production.

3 Produce and ship

Production starts once the plan is accepted: 1 day processing.



Pre-operative planning in the PtoleMedic System.

BENEFITS

What it delivers

Consistent results

Standardized distal cuts delivering the NBA alignment, an intuitive workflow with a modest learning curve.

Faster surgeries

Preoperative planning streamlines the surgery while preserving the conventional procedure. Shorter OR time creates opportunities to perform more surgeries per shift.

Cost-effective

Our preoperative planning reduces operational costs by minimizing instrument requirements and sterilization trays. Lento Medical Innovation's cloud-powered precision platform simplifies logistical management, while our custom cutting guides deliver personalized alignment in the OR through a cost-effective solution.

Patient wellbeing

Preserves the femoral canal and eliminates the need for soft-tissue balancing. Personalized alignment improves knee stability and range of motion.

Implant compatibility

Designed for flexibility, our platform accommodates different implant systems.

Rev. B. 11/6/2026