

Quick Recovery Solution (QRS®)

Outpatient Surgery



QRS Sizer™
The QRS Sizer software helps create a customized case plan for each patient.



Standard Trays Configurations:

- Require a lot of room on back table
- Increase processing costs per case

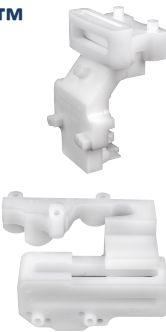
QRS Quick Tray™



- **Increases OR efficiency** by eliminating unnecessary trays
- **Reduces sterilization costs by 61% - 69%** in TKA procedures¹
- **Streamlines outpatient surgery** without sacrificing performance

UNIKO Point Cloud™

Custom, single-use cut guides that use MRI scans to align and position implants and enable a convenient intra-operative resection in TKA.



FREEDOM® KNEE SYSTEM



Products from Maxx Orthopedics may not be available in all markets. Please contact your Maxx Orthopedics representative or distributor if you have questions regarding availability in your area.

Maxx Orthopedics, Inc.
2460 General Armistead Ave. Ste #100
Norristown, PA 19403
Email: info@maxxortho.com
www.maxxortho.com
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References: 1. Mhlaba, et al: *Surgical Instrumentation: The True Cost of Instrument Trays and a Potential Strategy for Optimization*. J Am Coll Surg, 219(4):646-655, 2014. 2. Durbhakula S, Rego L, Eberle R: *Restoration of Femoral Condylar Anatomy for Achieving Optimum Functional Expectations: Continuation of Earlier Studies at 10 Years follow up*. J Orthop Exp Innovation, 2025.



Freedom® Partial Knee System

Unicompartmental Knee Arthroplasty

Freedom® Partial Knee System expands our best-in-class Freedom Knee portfolio and delivers OR efficiency. It features a modern design to meet the demands of patients with active lifestyles and is perfect for ASC/ outpatient settings with Quick Recovery Solutions (QRS®).



“Smooth, simple, and accurate”



Femoral Component

- Anatomical, asymmetric design to match patient anatomy
- CoCrMo for strength and grit blasted to enhance long term fixation
- Twin pegs for initial fixation and stability throughout ROM



Tibial Component

- Posterior dovetail locking design for better performance and longevity
- Ti 6Al 4V for longevity and grit blasted to enhance long term fixation
- Twin peg, single keel for added stability

Freedom® Total Knee System

Total Knee Arthroplasty

Freedom® Knee System showcases a modern design that factors in shape, bone conservation, flexion range, size, and clinical environment to meet surgical demands and comprehensive needs of active lifestyles in today’s patients. It offers numerous poly insert options- CR, PS, UC, and MC- and features a 5-chamfer femoral design, thin anterior flange, and a low-profile tibial keel.



Freedom® Titan™ Knee System features a highly biocompatible “Gold” TiNBN ceramic coating on the femoral and tibial components shielding patients with metal hypersensitivity from potential metal ions that may cause an inflammatory or allergic response.

Freedom® Medial Congruent Insert optimizes knee stability and replicates native knee function in total knee arthroplasty. The asymmetric condylar design enables lateral femoral rollback, while the increased anterior lip prevents subluxation in the medial compartment.

Freedom® Porous Knee System features an anatomic, asymmetric Porous Tibial Baseplate with a fully interconnected porous lattice designed using an advanced 3D-printed additive manufacturing process. Overall design is engineered around efficiency and optimized fixation. It offers surgeons a modern, cementless solution.



Freedom® Primary PCK™ Knee System is ideal for Complex Primary knee cases. It features a taller box design compared to standard Freedom PS Knee System and can be used with a tibial stem for greater stability when needed.

Freedom® PCK® Knee System

Revision Knee Arthroplasty

Freedom® PCK Revision Knee System features a patented trapezoidal box that delivers progressive constraint kinematics (PCK) and is designed to restore knee function and motion in revision knee patients.

Freedom® Titan™ PCK Revision Knee System utilizes the same design and instruments as Freedom PCK but has a TiNBN ceramic coating for patients with metal hypersensitivity.

Both systems feature:

Progressive Constraint – Trapezoidal femoral box maintains stability in extension while allowing controlled motion in flexion.

Natural Kinematics – Replicates normal knee movement by balancing constraint and rotational freedom.

Modular & Versatile – Ti-alloy stems and stackable augments provide intraoperative flexibility to address bone defects

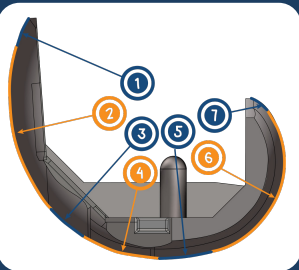
Ti-alloy stems (cemented & press fit) 7.5mm-20mm diameters 40mm, 75mm, 100mm, 150mm lengths



Freedom Knee Design

Developed using advanced design engineering technologies to address the anatomical, physiological and lifestyle needs of patients.

- 7 tangential radii accommodate changes in rollback across the available surface through the transition from walking through deep flexion
- achieves optimal high-flexion (up to 155°)



Proven Clinical History of Successful Outcomes

98.3% Survivorship at 10 years²



7A* ODEP Rating



Freedom PCK Knee Design

The Progressive Constraint Kinematics (PCK) Trapezoidal Femoral Box provides a progressive constraint profile. In full extension, there is constraint between tibial post and femoral box. As the patient’s knee bends throughout ROM, the constraints decreases allowing more varus/valgus tilt (1-4 degrees) and internal/external rotation (2-7 degrees).