TOTAL JOINT ORTHOPEDICS

PLATFORM®
ACETABULAR SYSTEM

The Evolution

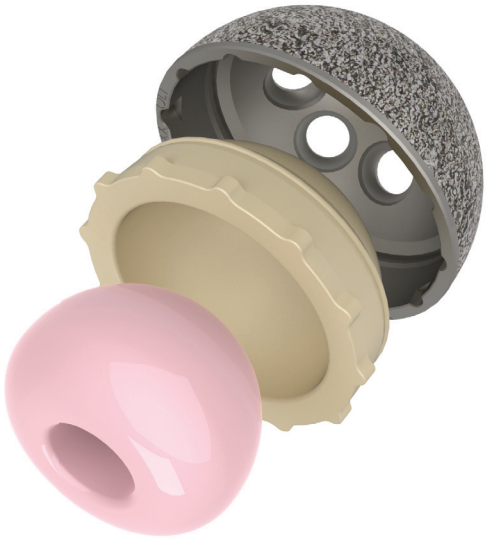
The Platform® Acetabular System comprises the best design features from the most successful acetabular constructs, and offers the potential for exceptional patient outcomes and survivorship.

The Platform® Acetabular System is compatible with both the Klassic® Blade and Klassic HD® Stems. See Surgical Technique Manuals for surgical preparation and implantation for these and other Klassic HD® Hip System implants (tjoinc.com).

Platform® Acetabular Cup

Designed for optimum congruency, the patent-pending Platform® Acetabular System addresses concerns about stability, wear, fixation, and maximum range of motion. The cup is thin-walled (3.5mm) with 0.5mm of press-fit, and features high-porosity Ti-Coat® for biological fixation and bony ingrowth.[1] Three posteriorly positioned screw holes (two in sizes 44-48) offer a 26.8° sweep to provide flexibility in screw placement and additional security.

Platform® Acetabular Cup

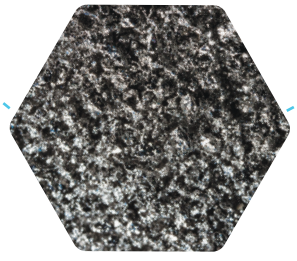


CONTOURA® Femoral Head, Platform® Neutral Insert, Platform® Cup

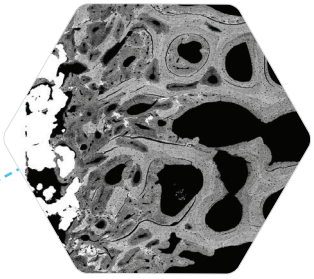
MATERIAL

Ti-Coat® Porous Coating

The Platform® Acetabular System offers Ti-Coat®, a three-dimensional rough porous coating with a mean porosity of 60%. Ti-Coat® is composed of commercially pure sintered asymmetrical grains that provide an initial scratch fit and biological fixation. Ti-Coat® is provided throughout the Platform® Acetabular System for a consistent fixation strategy.



Proprietary Ti-Coat® ultraporous coating

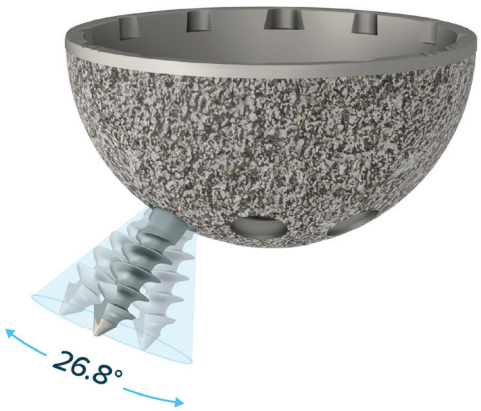


Magnification of bony ingrowth on Ti-Coat®[2]

MISSION-DRIVEN™

Klassic HD® Acetabular Screws

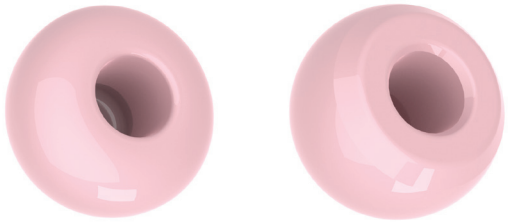
The Klassic HD® Acetablur Screws have a 6.5mm head diameter, and are available in sizes 15-45mm in 5mm increments. The screws feature a low profile head, offering increased range of motion through the screw hole (13.4º in any direction) for 26.8º total sweep.



Klassic HD® Acetabular Screw

Klassic HD® Femoral Heads

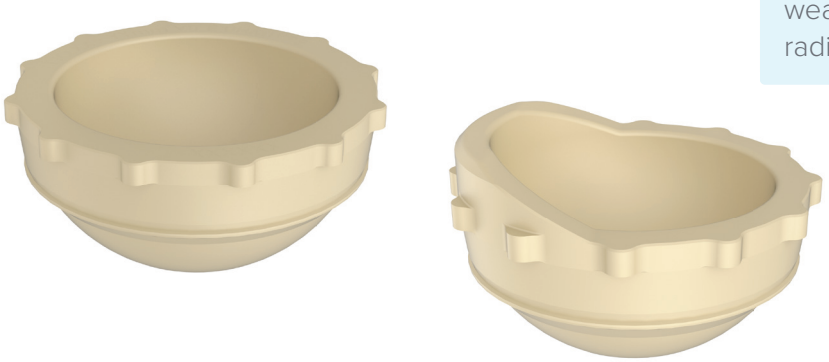
The Klassic HD® System offers both a standard BIOLOX®*delta* ceramic head as well as the BIOLOX CONTOURA® head. The BIOLOX CONTOURA® femoral head features a reduced distal profile designed to limit soft tissue impingement that may lead to anterior groin pain, while maintaining the wear rates, burst strength, and dissociation strength of standard BIOLOX®*delta* heads.[3]



BIOLOX CONTOURA® Femoral Head (left), BIOLOX®delta Femoral Head (right)

Platform® Acetabular Inserts

The highly crosslinked acetabluar inserts are Vitamin E stabilized to minimize oxidation potential. Two head size options for both the 46mm and 50mm insert provides additional flexibility. The acetabular inserts sit flush with the rim of the cup when fully inserted, making for easy visualization.



Platform® Neutral Acetabular Insert (left), Platform® Hooded Acetabular Insert (right)

E-Link® Vitamin E Stabilized Polyethylene

E-Link® Stabilized Polyethylene is a Vitamin E stabilized highly cross-linked ultra high molecular weight polyethylene. Vitamin E is blended into the UHMWPE in powder form, compression molded, and cross-linked by gamma radiation at 10 MRad to provide equivalent crosslinking and wear resistance as XLPE. Vitamin E quenches free radicals for long lasting oxidative resistance.[4]

MATERIAL

[1] Data on file
[2] Epperson, R.T., Mangiapani, D., Bloebaum, R.D., & Hofmann, A.A. *Bone ingrowth comparison of irregular titanium and cobalt-chromium coatings in a translational cancellous bone model.* J Biomed Mater Res B Appl Biomater. 2019.
[3] Data on file
[4] Crowninshield, R.D., Muratoglu, O.K. *How have new sterilization techniques and new forms of polyethylene influenced wear in total joint replacement?* J Am Acad Orthop Surg. 2008;16:S80-S85.