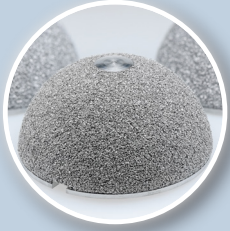


Applied Coating Options for Cementless Orthopedic Implants

Applications



ASYMMATRIX®

Porous coating with extremely rough surface, only to be applied to similar materials (available in CoCr or Ti)

Optimized for initial fixation and stability achieved through the high coefficient of friction



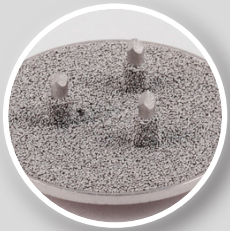
KNEE



HIP



SHOULDER



Spherical Bead

Sintered bead coating, only to be applied to similar materials (available in CoCr or Ti)

Optimized for applications requiring reduced resistance to implantation



KNEE



HIP



FORTIFY™ Porous Plasma Spray

Commercially-pure and bioinert titanium porous coating that can be applied to dissimilar materials (ex: CoCr)

Optimized for high porosity and bond strength applied to knee implant components



KNEE



Titanium Plasma Spray (TPS)

Commercially-pure and bioinert titanium porous coating that can be applied to dissimilar materials (ex: CoCr)

Optimized for initial bond strength



HIP



SHOULDER



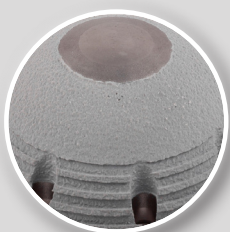
Thin Titanium Plasma Spray

Commercially-pure and bioinert titanium porous coating that can be applied to dissimilar materials (ex: Ti, PEEK)

Optimized for interconnected porosity for titanium and PEEK spinal implants



SPINE



Hydroxylapatite (HA)

The same mineral found in bone may be applied directly onto multiple substrates or porous surfaces. Orchid's HA coating has superior attachment strength to resist shear forces and high crystallinity to optimize resorption rate

Optimized for osteoconductivity promoting bone growth



KNEE



HIP



SPINE



SHOULDER