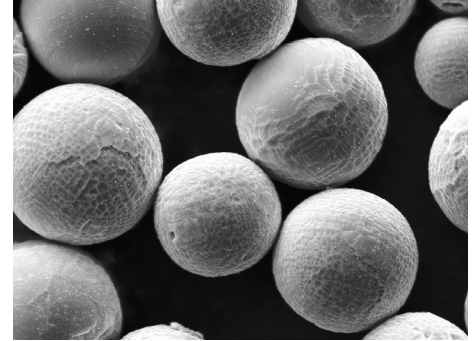


HIGH PERFORMANCE PARTS START WITH HIGH PERFORMANCE POWDER

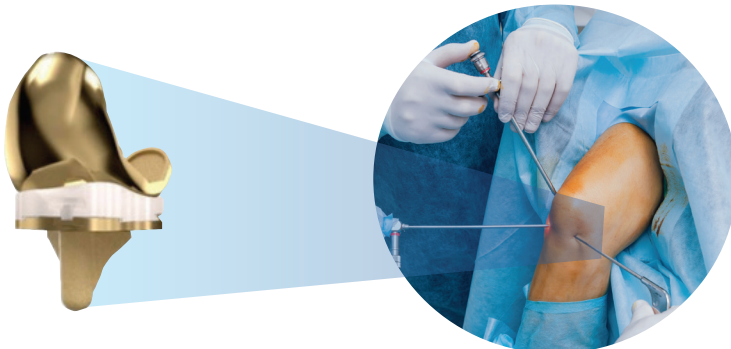
From the world’s only microwave plasma production system comes the highest performing and most versatile set of powders. TiN is high purity titanium nitride spherical powder for use in additive manufacturing. TiN is attractive for use as medical implants due to its biocompatibility and tribological properties. Additive manufactured implants built with TiN will eliminate the negative effects of delamination of a TiN coated implant.



PHYSICAL PROPERTIES	15 - 45µm
Apparent Density	2.7g/cc
Free Flowing	31s/50g

6K Premium Powders

- Ultra clean
- No satellites
- High sphericity
- Free flowing
- High apparent density
- Low interstitials
- High density powders



Industries

- Aerospace & Defense
- Automotive
- Medical
- Industrial

- 6K is working on TiN powders for a revolutionary approach to highly customized 3D printed femoral and other implants
- Medical implants often require a spray coating for bio compatibility and bone-in growth. These coatings can wear or delaminate over time.
- 3D printed TiN implants will allow the entire metal component to be biocompatible without the additional coating
- 50% lighter than the typical CoCr implants

6K Additive’s production team has extensive experience in powder production, alloys and metal reclamation. Our 80,000 sq. ft. facility is ISO9001 certified and AS9100 certification is in process.