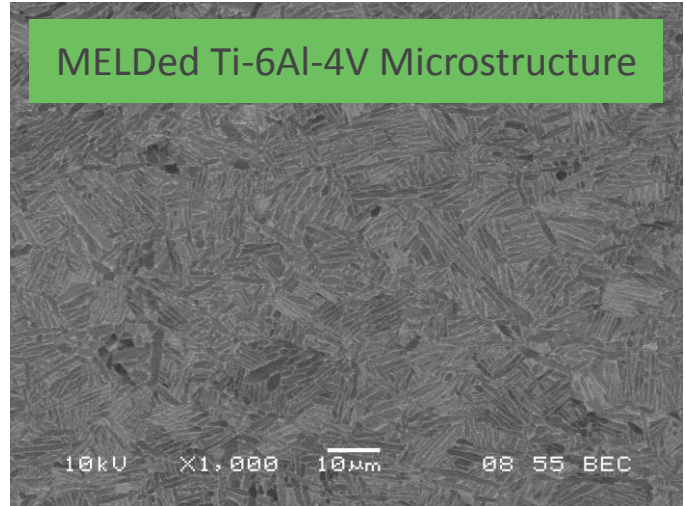
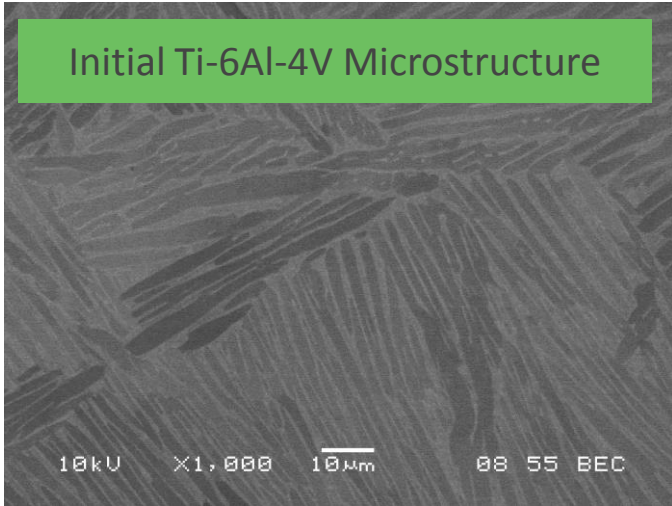


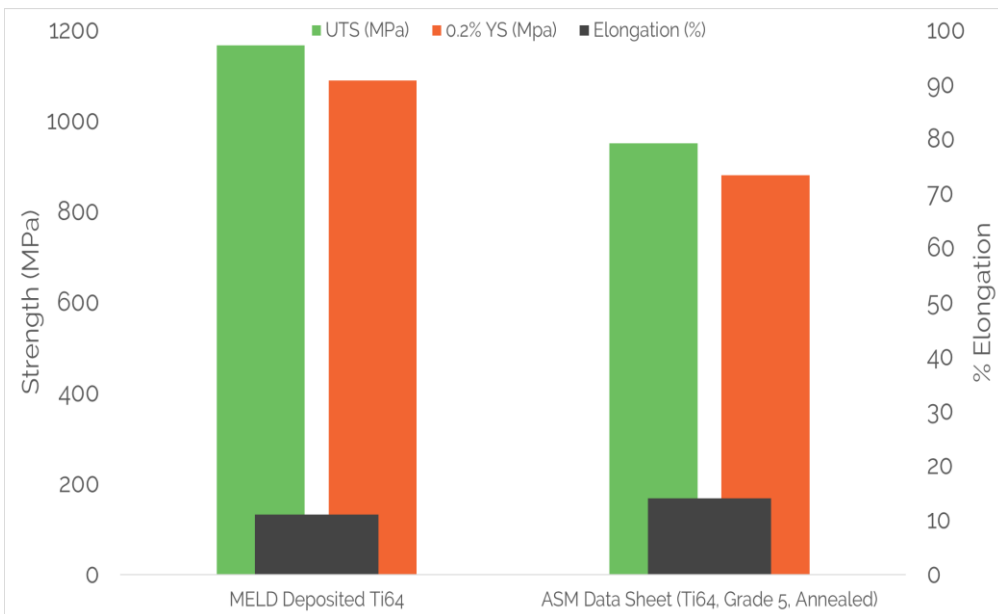


Mechanical Properties of MELD Deposited Ti-6Al-4V

MELD offers a unique opportunity for the manufacture and repair of Titanium products at a large-scale. MELD processed Ti-6Al-4V yields a fully dense deposition exhibiting significant grain refinement and improved mechanical properties over parent material.



Ti-6Al-4V deposited by the MELD process benefits from a significant increase in both ultimate tensile and yield strength, 23% and 24% respectively.



Deposition Rate

5.5
pounds per hour

**Fully Dense
Low-Stress
Higher Strength**

