

## TITANIUM AIRCRAFT REPLACEMENT PARTS Lighter, Stronger and Supply Chain Resilient

### PROBLEM:

US Air Force sustainment units continue to see aircraft replacement parts delayed due to supply chain disruptions and increased unit costs. The DoD recently identified domestic manufacturing as a strategic enabler and metal and composite processing as critical vulnerabilities. Building US production capacity is the #1 recommendation to improve Defense supply chain resilience.

### SOLUTION:

Powdermet's ability to recycle titanium and manufacture replacement parts radically shortens delivery timelines, lowers costs and improves quality while supporting USAF supply chain resiliency through its ability to locally produce and maintain on-hand inventory of high demand, low-inventory parts for C5, C17 and KC10 aircraft.

### Core Competencies

- Refractory Metal Powder Production
- Nano- & Micro-Powder Processing
- Engineered Metal Matrix Composites
- Powder Metallurgy



### REALIZATION:

Powdermet has recognized the need to secure a domestic supply of refractory metal powders, and has invested and established a non-conflict supply and process to meet our nation's needs. With investments in powder production and part manufacturing, Powdermet will be a key part of the supply chain in materials for our nation's current and next-generation aircraft. Powdermet is the only US-based supplier of recycled titanium and a leader in advance powder metallurgy, composite, and parts manufacturing.



### Customers, Agencies & Partners

