



Plansee USA LLC

www.plansee.com



CORE COMPETENCIES

Plansee is world's leading vertically integrated manufacturer and supplier of *refractory metals* including molybdenum, TZM, tungsten, tungsten lanthanum, tungsten rhenium, tantalum, niobium, and alloys or composites of these materials

Plansee USA is North America's premier supplier of *machined, fabricated, engineered product solutions* for A&D applications utilizing refractory metal materials

Plansee USA is *ISO 9001, AS9100 certified and ITAR registered* and has supplied materials, products, and services for more than 80 years

KEY POINTS OF CONTACT

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KEY PROJECTS OR PRODUCTS

- **Propulsion components** including jet vanes, throat inserts, and nozzles (control, positioning, thruster or stabilizing)
- **Balance counterweights** for avionics, propeller blades, aileron & wing weights, vibration dampening, and cavities
- **Missile structural & steering components** such as control surface assemblies and dorsal fins
- **Warhead components** including shape charge liners, EFP's, fragmentation, and KE penetrator munitions
- **Miscellaneous parts, components and assemblies** including fastener hardware (nuts, bolts, screws)
- **Prototype and High Volume made-to-print parts** are project managed in team-oriented solutions environment



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Highlights and Overview

HPM Refractory Metals Portfolio

- Molybdenum (Mo)
- Tungsten (W)
- Tantalum (Ta)
- Niobium (Nb)
- Chromium (Cr)

Plansee
High Performance Materials

Plansee USA LLC
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Franklin, MA 02038
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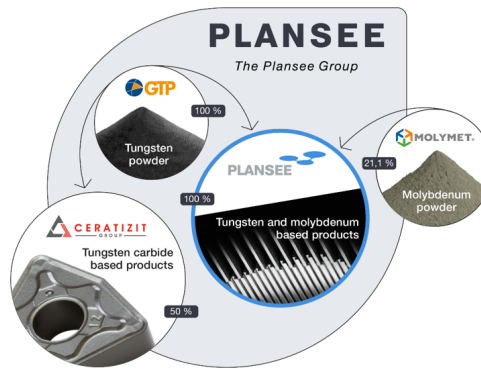
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Refractory Metal Alloys & Composites

- Tungsten Heavy Alloys (DENSIMET®)
- Copper-Chromium composites (CuCr)
- Aluminum and Metal Ceramic composites (TiAl TiB₂)
- Molybdenum and Tungsten Alloys & Composites
- ▶ TZM, WRe, MoRe, WCu, MoCu, TaW, MoW, WL



Plansee USA

Specializing in machining and fabrication of Molybdenum and Tungsten products, Plansee USA is the North American Headquarters for all Plansee High Performance Materials.



Plansee USA in Franklin

Plansee USA devotes its inventive enthusiasm to the development of new products or improved designs. Our materials specialists know exactly how our metals will behave in real-life applications. With their engineering expertise and wide range of simulation methods, they can identify the design that offers the best performance at the most economical cost.

Our sales network guarantee outstanding reactivity and on-site customer support - a benefit that our many business partners have appreciated for decades.

Strong expertise in manufacturing processes

Cutting, bending, lathing, milling and rolling to tight tolerances. From intricate components to ready-assembled products. Our plant consists of the following equipment for working with refractory metals:



Rotor for X-ray anode



Component for MOCVD



Shielding for high temperature furnaces.

- Clean room operations
- Thermal processing
- CNC milling and turning
- CNC stamping and punching
- Deep hole drilling/boring
- Vacuum brazing/heat treating
- TIG welding
- Laser and water jet cutting
- High speed wire EDM (Electrical Discharge Machine)

Contact

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