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MTS has been providing the highest quality refractory metal products since 1958.

We are *ISO 9001:2008 certified.*

Materials	Chemical Composition	Standards	Shapes
Tungsten	99.95% pure Tungsten (W)	ASTM B760, ASTM F288	Wire, Rod, Bar, Sheet, Plate, Boats, Coils, Filaments, Machined Parts
Doped Tungsten	Thoriated, lanthanated, ceriated, or zirconated tungsten is available.	ANSI/AWS A5.12/A5.12M-98	Wire, Rod, Bar, Plate, Filaments, Machined Parts, Electrodes
Tungsten Alloy	90-97% Tungsten (W) Balance Nickel-Iron (Ni-Fe) or Nickel-Copper (Ni-Cu)	ASTM B777, AMS-T-21014, Mil. Spec. T-21014 D, AMS 7725C, ASTM-B-459-67	Rod, Bar, Plate, Machined Parts
Tungsten Copper	50-90% Tungsten (W) Balance Copper (Cu)	ASTM B702	Rod, Bar, Plate, Machined Parts
Molybdenum	99.95% Molybdenum (Mo)	ASTM B386, ASTM B387 Moly 361, Moly 364 AMS 7800B	Wire, Rod, Bar, Sheet, Plate, Boats, Coils, Filaments, Machined Parts
Moly Alloys	Molybdenum-Tungsten (Mo-W) Lanthanum Oxide doped (Mo-La)	None	Rod, Bar, Sheet, Plate, Machined Parts
Molybdenum TZM	.40-.55%Ti, .06-.12%Zr, .01-.04%C Balance Molybdenum (Mo)	ASTM B387	Rods, Plates, Threaded Rod, Screws, Nuts, Washers, Machined Parts
Tantalum & Ta Alloys	99.95% or 99.99% Tantalum (Ta) 90% Ta, 10% W 97.5% Ta, 2.5% W 60% Ta, 40% Niobium	ASTM B708, ASTM B365 R05200, R05400, R05255, R05252, and R05240	Wire, Rod, Bar, Sheet, Plate, Boats, Coils, Filaments, Machined Parts

Custom Sizes and Machining Available

MTS also offers custom machining of these metals and their alloys. We can often provide non-standard sizes for the same price as a stock bar, rod, plate or wire. Typical machined parts include: ballast, golf club weights, crankshaft weights, aircraft bucking bars, X-ray shields, nuclear medical components, ion apertures, vacuum furnace elements, and vacuum furnace shields.

Large Inventory

Many in-stock items and short manufacturing lead times guarantee prompt delivery.

Leaders in Vacuum Metallizing

We are the premier manufacturer of resistance heated evaporation sources and materials for vacuum evaporation (vacuum metallizing). These sources include evaporation filaments and boats, ion beam and electron beam filaments. We also make electron beam gun parts such as anode assemblies and beam formers. Evaporation materials include aluminum, chrome, copper, nickel, nichrome, tin, silver, and gold. We distribute diffusion pump oil.

Please contact us with any specific product or technical questions that you may have and visit us on the web.

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