## ELMET TECHNOLOGIES' HIGH TEMPERATURE FURNACE PRODUCTS





Elmet Technologies offers nearly 100 years of experience with a trusted supply chain of superior refractory pure and alloyed materials for heat treating medical, aerospace, defense and automotive products.

## **Materials**

> Molybdenum	> Niobium	> MoLa (molybdenum-lanthanum)
> Tungsten	> TZM	> MoW (molybdenum-tungsten)
> Tantalum	> MHC	

Applications	Forms Available	Furnaces Served
> Annealing	> Furnace Assemblies	<ul> <li>&gt; High temperature furnaces in vacuum, reducing or inert atmospheres</li> </ul>
> Brazing	> Boats & Trays	> Chemical reaction furnaces in vacuum, air, or various atmospheres
> Heat Treating	> Furnace Racks	
> HIPing	> Flat Ribbed Heating Elements	
> Melting	> Hot Zones	
> Pre-heating for Metalworking	> Heat Shields	
> Powder Processing	> Rolled and Bent Formed Product	
> Sintering	> Brackets and Furnace Fixture	
> Tempering		

> MIM (Sintering/Debonding)

## SUPERIOR MECHANICAL PROPERTIES WITH MOLYBDENUM ALLOYS



Typical Tensile Properties for indicated Products (5/8 inch Diameter bars)

High melting temperature refractory, lower cost than Tungsten, creep resistance, and high temperature mechanical properties.



**ELMET TECHNOLOGIES** 1560 Lisbon Street • Lewiston, Maine 04240

**P** +1.207.333.6100

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