## ELMET TECHNOLOGIES' HIGH TEMPERATURE MIM 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	Atmosphere Furnaces Served	MIM Applications
> Molybdenum	> Continuous feeding	> Sintering
> Tungsten	> Chamber high temperature vacuum	> Debonding
> TZM		> Annealing
> MoLa (molybdenum-lanthana)		> Heat Treating
Benefits of Refractory Components	Forms Available	
> Maintain temperature uniformity	> Boats & Trays	
<ul> <li>&gt; Quality products made in a clean environment</li> </ul>	> Hot Zones	
> Peduced production cost compared to	> Furnace Racks	
graphite and ceramics	> Heat Shields	
Improved cycle times		
No carbon contamination		

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Fewer component rejections

## SUPERIOR MECHANICAL PROPERTIES WITH MOLYBDENUM ALLOYS



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

Molybdenum alloys - high melting temperature refractory, lower cost than tungsten, good creep resistance and high temperature mechanical properties.



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