

# Heavy Alloy Products



# Product Lines

Main Products

Tungsten Heavy Alloy



Tungsten Copper Alloy



Pure Tungsten



Pure Molybdenum





# Applications



**Shock-resistant Machining**



**Aerospace**



**Sporting Goods**



**Oil Counterweight**



**Hungting and Fishing**



**Crankshaft Counterweight**



**Medical Shielding**



**Civil Nuclear Industry**

# Classification of Tungsten Alloy



Specification	Customized
Material	W, Ni, Fe, Cu, Co, Mo, Cr and etc
W Contents	W ≤ 85-97 %
Density	10-18.55g/ cm <sup>3</sup>



# Tungsten Heavy Alloy Specification

Type		Density	Yield Strength	Tensile Strength	Extensibility	Hardness
		g/cm <sup>3</sup>	MPa	MPa	%	HRC
90/Class1	NC	17.00±0.15	≥600	≥700	≥2	22~32
	NE		≥700	≥850	≥10	
	NES		≥650	≥800	≥3	
93/Class2	NC	17.50±0.15	≥650	≥700	≥2	22~32
	NE		≥700	≥900	≥10	
	NES		≥700	≥800	≥5	
95/Class3	NC	18.00±0.15	≥600	≥700	≥2	24~32
	NE		≥700	≥800	≥5	
	NES		≥700	≥800	≥3	
97/Class4	NC	18.40±0.15	≥600	≥700	/	24~32
	NE		≥650	≥750	≥1	
Remark	NC: Ni+Cu, NE: Ni+Fe, Vaccum NES Sintered					

# Shielding Tungsten Alloy

**Industrial Shield**



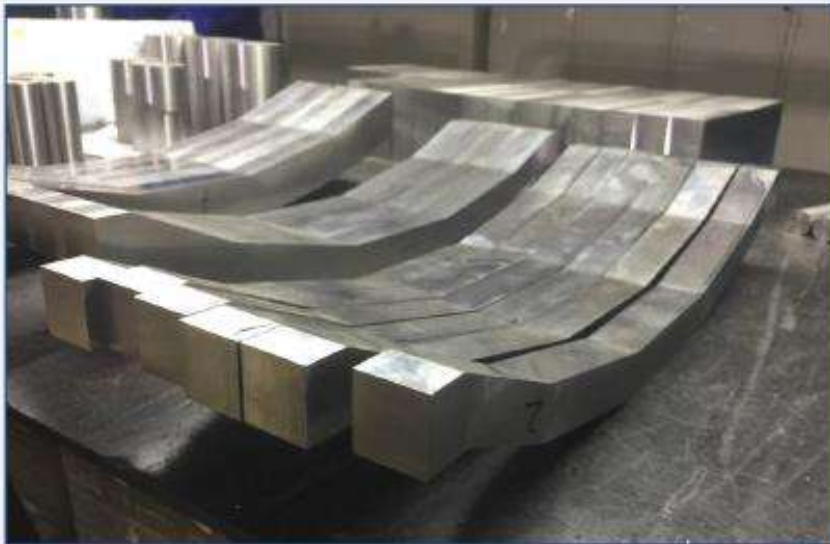
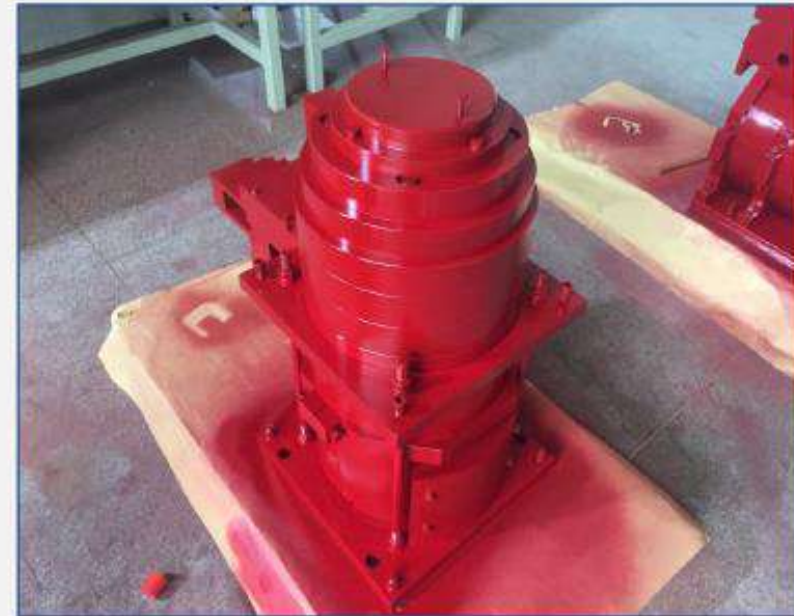
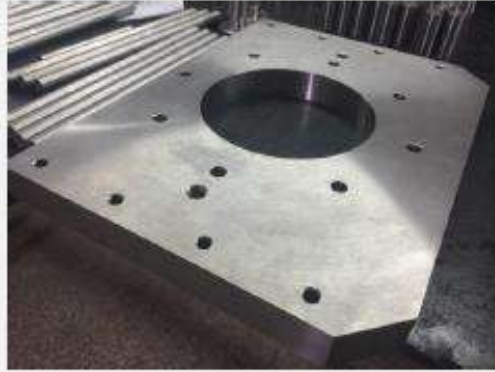
**Medical Shield**



**Nuclear Shield**

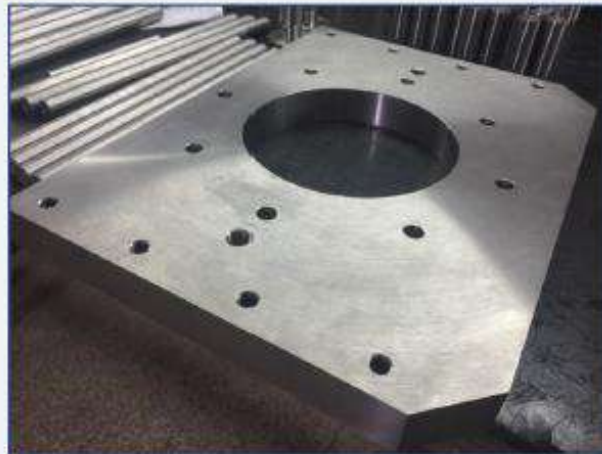
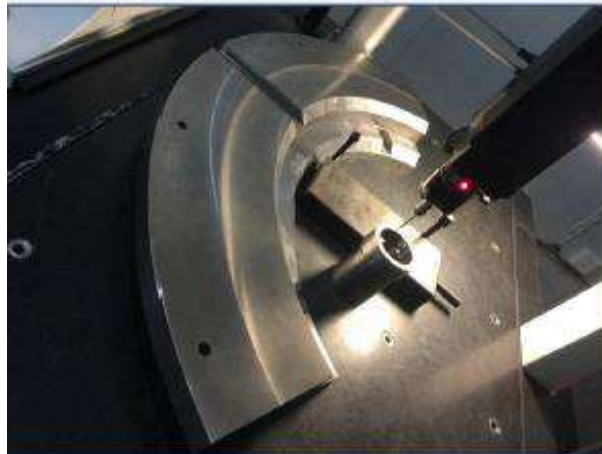


# Industrial Shielding





# Medical Shielding



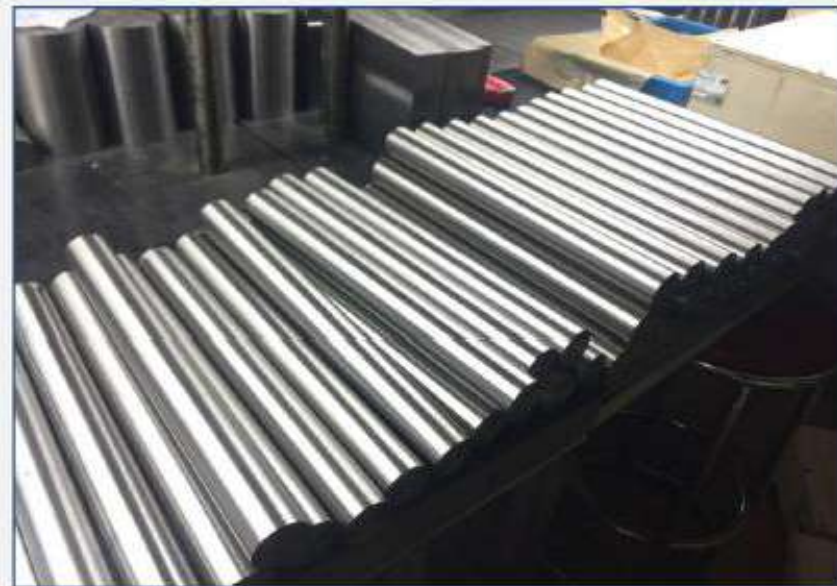


# Nuclear Shielding



# Counterweight Tungsten Alloy

**Used for Aerospace**



**Used for Oil Field**

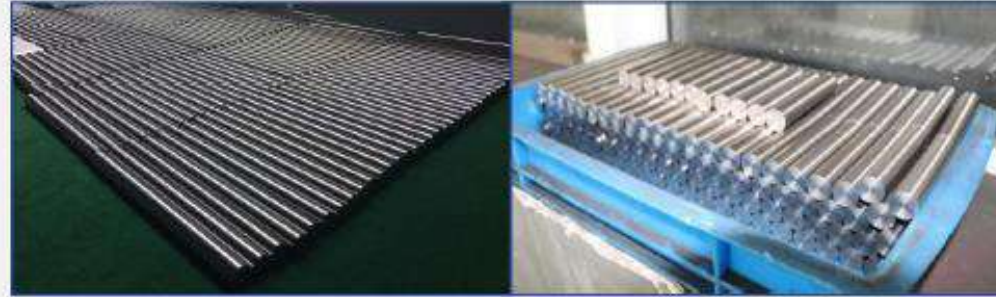


**Used for Automobile Industry**





# Used for Aerospace

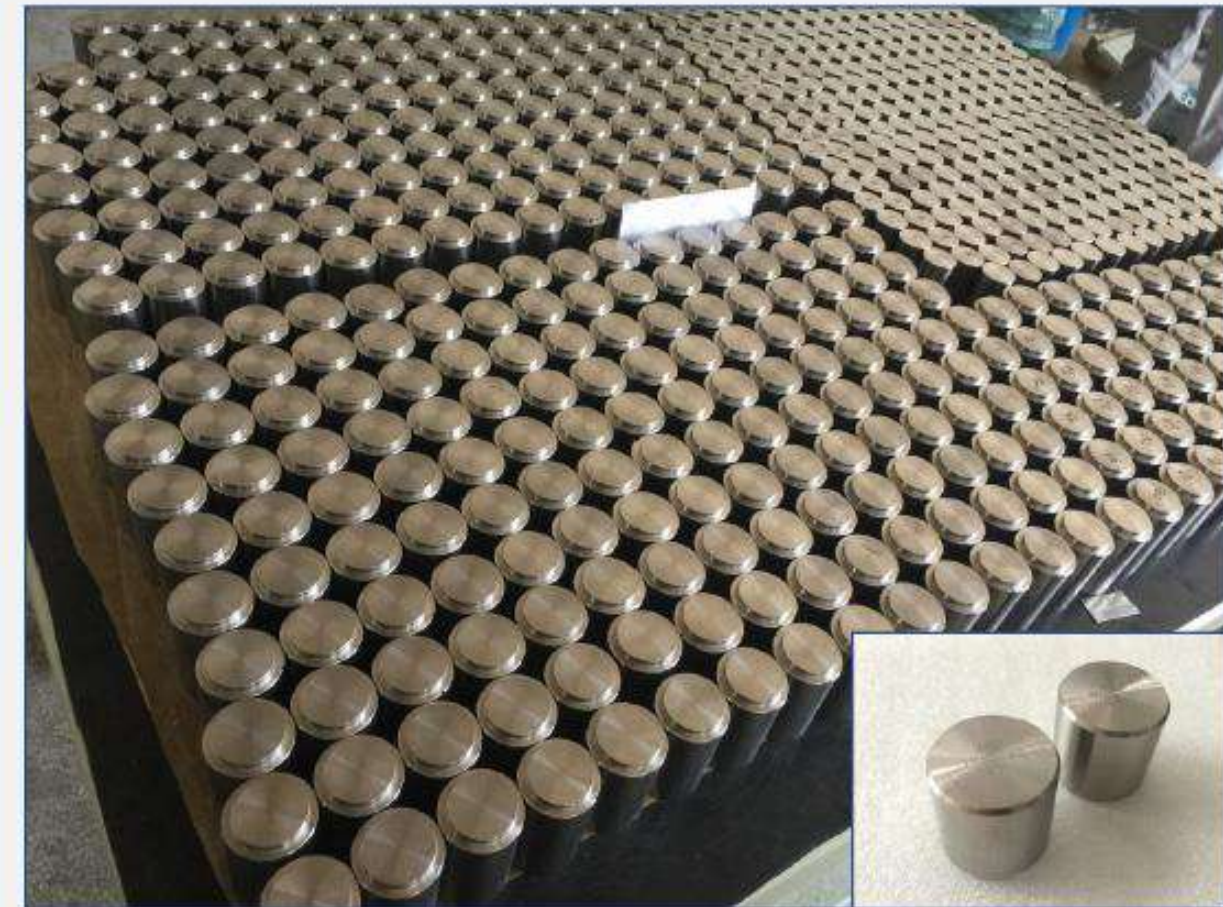


# Used for Oil Field





# Used for Automobile





# Armour Piercing Tungsten Alloy



**Tungsten Cylinder**



**Tungsten Ring**





# Armour Piercing Tungsten Alloy



**Tungsten Cube**



**Tungsten Balls**

# Other Tungsten Heavy Alloy

customized products





## CONTACT INFORMATION

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