



钨钼材料 TUNGSTEN & MOLYBDENUM

我公司在钨、钼材料及其加工工艺研究方面，积累了丰富的经验，形成了独特的生产体系。主要产品为钨、钼材料的板、片、箔、棒、丝、等加工材。此外，研制开发的大直径钨、钼烧结棒、钨基高比重合金 WNiCu、WNiFe、钨铜合金 WCu20、WCu30、钨舟、钼舟、粒、触点、钨铜触点，钼坩埚，钨、钼靶，钨丝网发热体，隔热屏等深加工产品，已广泛地应用于高压低压电器、电光源、机械、电子、仪表、能源、冶金、化工、航空、航天等行业。

Our company is a leading supplier of W & Mo material, which has more experience in fabrication technology and already has our own production line. Our production are abundant and widely used in many fields,such as astronautics & aviation,machinery, electronics,chemical industry, nuclear energy, instrument, textile,lighting, vacuum furnace and so on.

钨产品 Tungsten Product

产品名称 PRODUCT	牌号 TYPE	规格 DIMENSION,in mm	技术条件 SPECIFICATION
钨板/片 Tungsten sheet	W1 W2	0.1-20.0×50-350×L	GB/T 3875 ASTM B 760
钨棒/杆 Tungsten strip	W1	Φ1.0-60×L	GB/T4187
钨丝 Tungsten filament	W1 WAL	Φ0.004-0.90	GB/T 4181 ASTM F288
钨合金电极 Tungsten Electrode	W1 WCe20 WTh20 WLa20	Φ1.0-10	GB/T 4187
钨基高比重棒 WNiFe WNiCu	Rank 1-4	Φ4.0-120×L 最大单件重量≤1000kg The largest single piece weight ≤ 1000kg	ASTMB 777 AMS-T21014
钨基高比重板 WNiFe WNiCu	Rank 1-4	0.3-9×400×L	ASTMB 777 AMS-T21014

钼产品 Molybdenum Product

产品名称 PRODUCT	牌号 TYPE	规格 (mm) DIMENSION,in mm	技术条件 SPECIFICATION
钼板/片	Mo1 TZM MoLa	0.025-20.0×50-550×L	GB/T 3876 ASTM B386
钼棒/杆	Mo1 TZM MoLa	Φ1.0-130×L	GB4187-84 ASTM 387
钼丝	Mo1 MoLa	Φ0.020-0.90	GB4187-84



钽铌材料 TANTALUM & NIOBIUM

我公司在钽、铌材料的研发领域取得了令人瞩目的成果。研制的钽合金有 Ta10W、Ta5W、Ta2.5W、TaNb3、TaNb20 等，铌合金有 Nb1Zr、NbTa50、NbHf10 等。产品广泛应用于航天、航空、化工、电光源、纺织、原子能、电子、真空镀膜领域。

Our company is a leading supplier of Ta & Nb material, which has more experience in fabrication technology and already has our own production line. We can provide many type Ta&Nb alloy, such as Ta Ta2.5W Ta5W Ta10W TaNb3 TaNb20 NbZr1 NbTa50 and so on. Our production are widely used in many fields,such as astronautics & aviation, machinery,electronics, chemical industry, nuclear energy, instrument, textile,lighting, vacuum furnace and sputtering coating.

钽铌及其合金板带箔 PLATE STRIP FOIL

产品名称 PRODUCT	规格 DIMENSION, in mm			技术条件 SPECIFICATION	应用领域 USE FIELD
	厚度 T	宽度 W	长度 L		
钽铌及其合金板 Plate	>1.0	<1000	L	Ta GB/T 3629-2006 ASTM B708-92 Nb GB/T 3630-2006 ASTM B393-89	电光源，电容器，仪器仪表，石油化工，兵器，航空航天等行业
钽铌及其合金片 Sheet	>0.1-0.5 >0.5-1.0	<300 <600	L		
钽铌及其合金箔带 Foil Strip	>0.07-0.09 >0.02-0.07	<150 <110	L		
靶材 Ta target	3.0-20.0	按客户要求 By client requirement			
高纯钽 Ta 99.995%	4-34	110-250	L		
高纯铌 Nb 99.995%	4-38	110-250	L		

钽铌及其合金棒、管、丝材 ROD & TUBE & WIRE

产品名称 PRODUCT	规格 DIMENSION, in mm			技术条件 SPECIFICATION	应用领域 USE FIELD
	外径 (直径) Diameter	壁厚 Wall	长度 Length		
钽铌及其合金棒丝 Rod Wire	φ3-φ145 φ0.20-φ3.00		L	GB/T14841-2008 ASTM B365-92 ASTM B392-92 ASTM B655-92	电光源，电容器，仪器仪表，石油化工，兵器，航空航天等行业
钽铌及其合金管 Tube	φ0.8-φ150	0.20-5.00	L	GB/T8182-2008 ASTM B521-92 GB/T14842-2007 ASTM B394-92	
铌锆管 NbZr-1 Tube	φ1.75-φ5.50	0.25-0.35	L	Q/XY1405-2002	



锆铪材料及制品 ZIRCONIUM & HAFNIUM

为满足国防和高新技术发展的需要，我公司在六十年代就组织了一支精干的技术队伍，全面开展了对锆、铪的应用基础理论及加工工艺研究。研制的 Zr-2、Zr-4、Zr2.5Nb、Zr2.5Nb0.5Cu 系列锆合金，产品有管、变径管、压力管、复合管、薄壁方管、棒、板、环、靶材等。同时研究出具有特色的预膜锆和管材内喷外抛新工艺；铪产品有管、靶材、控制棒和电极等。这些成果已成功地运用于动力、发电、低温供热等核反应堆及化工、冶金、制药等行业。

Our company is a leading supplier of Zr & Hf material, which have more experience in fabrication technology from 1960s. Our production had been used in many fields, such as motivity, generate electricity, chemical industry, nuclear energy, instrument, Metallurgy, pharmacy and so on.

锆、铪及其合金板、棒、管、丝材 PLATE ROD TUBE WIRE

产品名称 PRODUCT	规格 DIMENSION, in mm	技术条件 SPECIFICATION
锆及锆合金板 Zr Plate	0.10-20×100-1000×L	Q/BS6531-91 ASTMB 551
铪板 Hf Plate	0.10-10×100-600×L	ASTMB 776
锆及锆合金管 Zr tube	OD 3-200×0.15-5×L	GB8768-88 ASTMB 523
锆及锆合金棒 Zr Rod	Φ3-150×L	GB8769-88 ASTMB 550
锆及锆合金丝 Zr Wire	Φ0.10-3×L	GB8768-88 ASTMB 351
铪棒 Hf Rod	Φ3.00-50×L	GB8768-88
铪丝 Hf Wire	Φ0.80-3×L	GB8768-88
锆靶 Zr target	按客户要求生产 By client requirement	GB8769-88 ASTMB 551



钛及钛合金制品 **TITANIUM AND ITS ALLOY**

我公司致力于有第三金属之称的钛及钛合金的研究和应用开发，成功研制了高纯钛、耐热、低温、阻燃、高强、高韧、耐蚀、医用等系列钛合金，并在冷热成形、焊接、机械加工、表面处理等方面进行了广泛的研究，开发了几十个牌号的板、箔、管、毛细管、棒、丝、钛靶材、锻件、异型材、紧固件等钛材产品，满足了航空、航天、舰船、兵器、化工、冶金、机械、电子、能源、轻工、医疗等部门的需要。

Titanium is one of our major products; it has low density and good strength. It also has very good properties of corrosion resistance.

We can provide many type Ti alloy, such as high purity, heat-resistant, low temperature, fire-resistant, high strength, high tenacity, corrosion resistance and medical use. It has been widely used for aerospace, ship building, chemical equipment and medical industry, electronic industry, Nuclear energy and so on.

钛、钛合金材料 **TITANIUM AND ITS ALLOY**

产品名称 PRODUCT	规格 DIMENSION, in mm	技术条件 SPECIFICATION
钛及钛合金板 Plate	1.0-18×800-1560×L	ASTM B265
钛及钛合金带 Strip	0.1-0.9×≤600×L	ASTMB 265
钛及钛合金箔 Foil	0.025-0.09×≤120×L	ASTMB 265
钛及钛合金棒 Rod	Φ3-200×L	ASTMB 348
钛及钛合金丝 Wire	Φ0.1-3	ASTMB 348
钛及钛合金管 Tube	OD 0.8-120×0.2-5×L	ASTMB 338



贵金属及制品 Precious metal

我公司从事贵金属及其合金的生产多年不断，对金、银、铂、钯、钌、铑、铱基合金及其加工材料进行批量生产，提供了几百个品种规格的贵金属管、板、带、箔、棒、丝、异型材等材料。此外还有贵金属加工、电镀和分离提纯等先进技术。公司经多年开发镀铂钛阳极、镀金钼片无过渡层镀金、铱丝、铱片、铱坩埚。

Precious metal, such as Au, Ag, Pt, Pd, Ru, Rh, Ir, have very good properties of electrical conductivity and easy be machined in the room temperature. The most application of precious metal materials is electrical industry and chemical industry, such as resistance, brush, magnetic, welding, hydrogen purity, composites of precious metal materials and etc.

Please reference the following details and make your choice.

金及金合金材料 AU & ITS ALLOY

产品名称 PRODUCT	规格 DIMENSION, in mm	技术条件 SPECIFICATION	应用领域 USE FIELD
金及金合金箔材 foil 板、带材 Plate, strip 管材 Pipe	0.05-0.1 0.05-6.0 Φ0.5-30.0×0.05-5.0	GBn 66-89 GBn64-83 GJB946-90	航空航天等行业 Aerospace and other industries
金及合金线材 Gold and alloy wire 电刷材料 Brush Material 电位器绕阻裸线材 Potentiometer resistance around the bare wire	φ0.02-φ10.00	GJB947-90 GJB954-90 GJB955-90	

铂及铂合金材料 Platinum and platinum alloys

产品名称 PRODUCT	规格 DIMENSION, in mm	技术 SPECIFICATION	应用领域 USE FIELD
铂及铂合金板、带、箔材 Platinum and its alloy sheet, strip and foil	0.05-10.00	GBn4-83	航空航天 Aerospace and other industries
铂及铂合金线材、电位绕组裸线材、 电刷线材 Platinum and platinum alloy wire, bare potential winding wire, brush wire	0.02-0.15	GJB954-90	
铂及铂合金管材 Platinum and platinum alloy tube 铂铑合金管 Platinum-rhodium alloy tube	Φ0.76×0.16	GJB946-90	



银及银合金材料 Silver and silver alloy material

产品名称 PRODUCT	规格 DIMENSION, in mm	技术条件 SPECIFICATION
银及银合金箔材 Silver and silver foil material	0.05-0.1	
银及银合金钎焊料 Silver and silver alloy brazing solder	丝: Φ 0.1-3.0 板: 0.01-2.0	GBn66-89
电真空银及银合金钎焊料 Electric vacuum silver and silver alloy brazing solder	丝: Φ 0.1~3.0 板: 0.01~2.0	GB10046-88 GB4906-85 GBn64-83
银及银合金板、带材 Silver and silver alloy plate, strip	厚度 0.05~6.0	
航空航天用银及银合金管材 Aeronautics and Astronautics, silver and silver alloy tubes	Φ 0.5-30.0 \times 0.05-3.0	GJB946-90
银及银合金线材 Silver and silver alloy wire	Φ 0.02~10.00	GBn67-83
银镁镍丝材 Silver magnesium nickel wire	Φ 0.05~2.0	Q/XB1804-95 Q/XB1803-95
银铈合金线材 Ag-Ce alloy wire	0.1~5.0	
银及银合金复合 电触点材料 Silver and silver alloy composite electrical contact material	头部直径 Heat Φ 2.5~8.0 足部直径 Foot Φ 1.2~4.0	GB11096-89

钯及钯合金材料 Palladium and palladium alloy

产品名称 PRODUCT	规格 (mm) DIMENSION, in mm	技术条件 SPECIFICATION
钯及钯合金箔材 Palladium and palladium foil material	0.05~0.1	
氢气净化用钯合金箔材 Hydrogen Purification Palladium foil material	0.06~0.10	GBn66-89 GBn190-83 GBn64-83
钯合金板、带材 Palladium alloy plate, strip	0.05~6.0	
钯合金线材 Palladium alloy wire		
钯合金电刷材料 Palladium alloy brush materials	ϕ 0.02~10.00 ϕ 0.08~1.0 ϕ 0.02~0.15	GJB947-90 GJB954-90 GJB955-90
钯合金电位器绕组裸线材 Palladium alloy bare wire potentiometer windings		
氢气净化用钯及其合金管材 Hydrogen Purification Palladium and its alloy pipe	外径: Φ 2.0~3.2 \times 0.06~0.1	Q/XB1802-92



精密合金 **Precision Alloy**

我们的产品包括软磁合金，永磁合金，弹性合金，膨胀合金，双金属合金，高温合金，耐蚀合金及镍合金等，主要产品有冷轧钢箔，冷轧带钢，冷拉钢丝，可根据客户要求生产。产品广泛应用于偏光线圈，彩色显像管等。

Our business covers the new material of electro-magnetic (soft magnetic) stainless steel, non-magnetic stainless steel, precipitation harden stainless steel, ordinary stainless steel, soft magnetic alloys, permanent Magnetic alloys, elastic alloys, expansion alloys, bi-metal (tri-metal), high temperature alloy, corrosion resistant alloys & nickel alloys etc, and parts and interrelated technical consultation & servings works. Main products include cold rolled steel foils, cold rolled steel strip, cold drawn steel wire, polished bar & hot rolled sections etc. All can be made according to GB, GJB, ASTM, JIS, DIN etc other standards.

Materials are widely used in polarizing coil, color kinescope, permanent alloy cores, hard disk (compact disc) drivers, mobile dome, cores of solenoid valve, precision shafts, sensors of ABS, magnetic head, pressure switch membranes, slide fastener for pass without needle testing, buzzer, clockworks springs, hair springs etc for autoimmunization instruments.

Please reference the following details and make your choice.



品 种 PRODUCT	牌 号 TYPE	标 准 STANDARDS	棒材 ROD	板、带(厚×宽) PLATE
铁镍软磁合金 Iron-nickel soft magnetic alloy	1J46.1J50.1J54.1J76.1J771J79. 1J80.1J85.1J86.1J341J51.1J52. 1J65.1J66.1J671J83.1J403	GBn198	Φ8-120	0.05-20x≤300
高饱和软磁合金 Highly saturated soft magnetic alloy	1J22	GB/T15002	Φ8-100	0.2-10x≤150
耐蚀软磁合金 Corrosion resistant soft magnetic alloy	1J36.1J116.1J117	GB/T14986	Φ8-100	0.2-20x≤250
高导磁合金 High Magnetic Alloy	1J87.1J88.1J80.1J90.1J91	GB/T14987	Φ8-100	0.05-30x≤300
磁温度补偿合金 Magnetic temperature compensation alloy	1J30.1J31.1J32. 1J33.1J38	GB/T15005		0.2-10x≤300
磁头用软磁合金 Head with the soft magnetic alloy	1J75.1J77C.1J79C.1J85C. 1J87C.1J92.1J93.1J95	YB/T086		0.1-2.0x≤300
弹性元件用合金 Elastic element alloys	3J21	YB/T5253	Φ8-120	0.08-6x≤250
	3J1.3J53	YB/T5256	Φ8-120	0.08-6x250
恒弹性合金 Constant elastic alloys	3J53.3J58	YB/T5254	Φ8-150	0.2-90x≤250
铁镍钴玻封合金 Fe-Ni-Co glass sealing alloy	4J29.4J44	YB/T5231	Φ8-150	0.05-90x≤300
低膨胀合金 Low-expansion alloys	4J36.4J32.4J38.4J40	YB/T5241	Φ8-150	0.05-90x≤300
无磁定膨胀合金 Non-magnetic alloy expansion set	4J78.4J80.4J82	YB/T5233	Φ8-150	0.2-15x≤300
铁镍铬. 铁镍封合金 Non-magnetic alloy expansion set	4J6.4J47.4J49.4J42.4J45.4J50	YB/T5235	Φ8-150	0.05-90x≤300
精密电阻合金 Precision Resistance Alloy	6J10.6J15.6J20	YB/T5259 YB/T5260		0.2-1.0x≤300
蒙乃尔合金 Monel Alloy	K-500 400 Ncu40-2-1 Ncu28-2.5-1.5	ASME SB-127 AMS 4544	Φ5.5-250	3.0-60.0 x≤610
Hastelloy	C-4 C-276 C-22 B-2 B-4	ASME SB-575 ASME SB-333	Φ5.5-250	3.0-60.0 x≤610
纯度镍 Purity nickel	N2 N4 N6	GB/T5235-1985	Φ5.5-250	3.0-60.0 x≤1000
镍合金 Nickel alloy	NMg0.1 Nsi0.19 NW4-0.1 Nsi3 NCr10 NMn3 NMn5	GB/T5235-1985	Φ8-100	
镍基焊丝 Nickel Wire	Alloy52-NB1 Alloy52-NB2 Alloy52-NB3		Φ0.9-3.175	