



企业简介

Company Profile

赣州创丰钨业有限公司创建于2014年8月，位于享有“世界钨都”、“中国稀金谷”等美誉的江西赣州。是一家专业生产硬质合金棒材及钨钼粉末和制品的企业。拥有从仲钨酸铵-氧化钨-钨粉-碳化钨粉-硬质合金完整的供应链。

江西联丰合金工具有限公司是赣州创丰钨业有限公司独资子公司，是一家经ISO9001质量管理体系、ISO14001认证企业。创建于2017年，占地一万多平方米，于2019年投入生产使用。我们的团队在钨钼行业有将近15年的生产销售经验，对于钨的生产、用途、用户、行情有非常深刻的理解，致力于为广大客户提供优质稳定的产品及服务！

Ganzhou CF Tungsten Co.,Ltd, established in 2014, located in Ganzhou Jiangxi China, where were well known as the 'Tungsten Capital' in the world. We are specialized in manufacturing high-performance tungsten carbide and W&Mo related products. We have complete supply chain from APT- Tungsten Oxide Tungsten Powder- Tungsten Carbide Powder- Tungsten Carbide Rods/Strips.

The **Jiangxi LF Cemented Carbide Tools Co.,Ltd**, ISO9001 & ISO14001 Certificated, is wholly-owned subsidiary of CF Tungsten. The company set up in 2017, area of 12000 square meter around and well equipped.

CF Tungsten were founded of a team which owned 15years experience technicians and sales.

We Deepen Understanding on manufacturing, End-Use and market of Tungsten.

Through our advanced manufacturing processes and production management, We committed ourselves to supply quality W&Mo products andcompetitive price to our customer.

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仲钨酸铵

Ammonium Paratungstate

白色晶体，主要用于制造三氧化钨或蓝色氧化钨及金属钨粉。还可用于制造偏钨酸铵及其他钨化合物，用于石油化工、发电厂作催化剂。少量用于制造陶瓷色料，半导体光电材料。

Ammonium paratungstate is a white crystalline powder. It is used as a universal intermediate product for manufacturing tungsten oxide and tungsten metal powder, as well as catalyst for petrochemical industry.

Specifications

规格指标

牌号 Grade		APT-0	
杂质含量 (PPM不大于) Impurities	WO ₃ (min) 不小于	88.50%	
	Content (PPM max)	Al	5
		Fe	10
		S	7
		As	10
		P	7
		Mo	20
		Ca	10
		Mg	7
		K	10
		Na	10
		Si	10
		Cu	3
		Mn	10
		Ni	7
		Pb	1
		Bi	1
		Sn	8
		Sb	10
		V	10
Ti	10		
Cr	10		
Co	10		

钨酸钠

Sodium Tungstate

白色晶体，用来制造其它钨化合物的原料和催化剂。

White crystalline powder which is raw material of all kinds of tungsten compounds and catalysts .

规格指标

Specifications

WO ₃	68.0-70.0%	
WATER INSOLUBLE SUBSTANCE 水不溶物	0.01% max.	
Impurities Content 杂质含量不大于 (PPM max)	Al	75
	Fe	20
	SO ₄	200
	As	10
	Pb	20
	Mo	20/200
	Cu	20
	Cl	100
PH	8.5-9.0	
H ₂ O	11.0-13.0%	

偏钨酸铵

白色或淡黄色粉末，制造各种石油化工催化剂及其它钨化合物，应用于石油、火电、垃圾处理汽车尾气处理等领域。

White or light yellow powder which used for all kinds of catalysts , mainly for petrochemical thermal power plant, garbages disposal, vehicle tail gas disposal, etc.

规格指标

Specifications

牌号 Grade		AMT-90	AMT-91
WO ₃ (min) 不小于		90%	91%
杂质含量 (PPM 不大于) Impurities (PPM max)	Al	10	10
	As	10	10
	Bi	1	1
	Ca	15	15
	Co	10	10
	Cr	10	10
	Cu	50	50
	Fe	20	20
	K	10	10
	Mn	10	10
	Mg	5	5
	Mo	30	30
	Na	15	15
	Ni	5	5
	P	8	8
	Pb	1	1
	S	15	15
	Sb	8	8
	Si	15	15
	Sn	5	5
Ti	10	10	
V	10	10	

氧化钨

Tungsten Oxide

氧化钨是一种中间产品，大量的氧化钨被用于金属钨粉和碳化钨粉。在化工行业也有诸多应用如陶瓷颜料、电子、农药、隔热材料等！

Tungsten Oxide is used as a universal intermediate products for manufacturing tungsten metal powder and tungsten carbide powder. There are also many applications in the chemical industry, such as ceramic pigments, electronics, pesticides, insulation materials etc.

规格指标

Specifications

黄色氧化钨 Yellow Tungsten Oxide			
牌号 Grade		YTO-0	YTO-2
WO ₃ (min)不小于		99.95%	99.90%
杂质含量 (PPM 不大于) Impurities (ppm max)	Al	5	10
	Fe	10	40
	S	7	50
	As	10	150
	P	7	50
	Mo	20	1000
	Ca	10	60
	Mg	7	10
	K	10	10
	Na	10	50
	Si	10	60
	Cu	3	10
	Mn	10	10
	Ni	7	10
	Pb	1	10
	Bi	1	10
	Sn	3	10
	Sb	8	10
	V	10	10
	Ti	10	10
Cr	10	10	
Co	10	10	
Density (g/cm ³)		2.4-3.0	0.6-1.0
F.S.S.S.		10-20μm	0.6-1.8μm

蓝色氧化钨 Blue Tungsten Oxide			
牌号 Grade		BTO-0	BTO-1
WO _{2.8-2.97} (min)不小于		99.95%	99.95%
杂质含量 (PPM 不大于) Impurities (ppm max)	Al	5	10
	Fe	10	10
	S	7	10
	As	10	10
	P	7	10
	Mo	20	50
	Ca	10	10
	Mg	7	10
	K	10	15
	Na	10	15
	Si	10	10
	Cu	3	5
	Mn	10	10
	Ni	7	10
	Pb	1	1
	Bi	1	1
	Sn	3	5
	Sb	8	10
	V	10	10
	Ti	10	10
Cr	10	10	
Co	10	10	

钨粉

Tungsten Powder

灰黑色粉末状，是制备钨加工材、钨合金和钨制品的原料。

Grey metal powder, it is used for produced for all kinds of tungsten parts and tungsten alloys.

Specifications

规格指标

牌号 Grade		FW-1	FW-2
W(min) 不小于		99.95%	99.90%
杂质含量 (PPM 不大于) Impurities (PPM max.)	Fe	50	300
	Si	20	50
	Ca	20	40
	Al	10	40
	Mn	10	20
	Mg	10	40
	Ni	30	40
	Sb	10	10
	Cr	10	40
	As	10	20
	Pb	1	5
	Bi	1	5
	Sn	3	5
	Cu	7	10
	Mo	5	100
	K	15	15
	Na	15	15
	S	10	20
P	10	40	
C	50	100	

型号 Type	Fsss	Scott Density	Oxygen Content
	(μm)	(g/cm^3)	(%)
6	0.6-0.8	1.4-2.2	0.5
8	0.81-1.0	1.7-2.5	0.4
10	1.01-1.5	2.0-2.8	0.3
15	1.51-2.0	2.2-3.0	0.3
20	2.01-3.0	2.6-3.5	0.25
30	3.01-4.0	3.2-4.2	0.25
40	4.01-5.5	3.8-4.8	0.25
55	5.51-7.0	4.0-5.2	0.2
70	7.01-15.0	4.2-5.5	0.2
150	>15.0	4.5-6.5	0.1

FW-1 used for tungsten carbide powder, large tungsten slab or other tungsten products;
FW-2 used for tungsten contact alloys, high-density shielding materials.

FW-1用于碳化钨粉用原料、大型板坯、加工用材等；
FW-2用于合金触头、高密度屏蔽材料。

碳化钨粉

Tungsten Carbide Powder

灰黑色粉末，用于生产各类型高性能合金产品。

Black metal powder, it is used for manufacturing all kinds of high quality cemented carbide products.

Specifications

规格指标

型号 Type	Fsss (μm)	O 含量(% max)	C.T (%)	C.F (%)
6	0.6-0.8	0.25	6.13+/-0.05	≤0.06
8	0.8-1.0	0.2		
10	1.01-1.5	0.18		
15	1.51-2.0	0.15		
20	2.01-2.5	0.1		
25	2.51-3.0	0.06		
30	3.01-4.0	0.05		
40	4.01-5.0	0.05		
50	5.01-7.0	0.05		
70	7.01-15.0	0.04		
150	>15.0	0.03		

Grade 牌号	WC(%min) %不小于	Impurities (%max.) 杂质元素 (%不大于)						
		Fe	Mo	Al	Si	Ca	Mn	Mg
FWC-1	99.8	0.03	0.005	0.001	0.003	0.004	0.001	0.001
FWC-2	99.7	0.05	0.01	0.002	0.005	0.005	0.001	0.001

粒度总碳可根据客户要求调整。
FSSS&CT lever can be negotiable .

硬质合金圆棒




Tungsten Carbide Rod

一种由碳化钨和钴粉采用粉末冶金方法高温低压烧结而成的高硬度、高强度合金材料。我司钨钢棒料主要用于生产高性能硬质合金刀具、冲压棒材、耐磨配件等。

A high hardness and high strength alloy material formed by high temperature and low pressure sintering of WC & Co by powder metallurgy method. Our tungsten carbide rods is mainly used to produce high performance carbide cutting tools, stamped bars, wear parts etc.

规格指标

Specifications

牌号 Grade	物理性能 Physical Performance					推荐用途 Application Recommendation	金相 Structure
	钴含量 Co(%)	WC晶粒度 Grain Size (μm)	硬度 Hardness	密度 Density	抗弯强度 TRS		
CF10	10	0.8μm	HRA91.5-92	14.4g/cm ³	3600	适用于普钢、不锈钢、耐热钢、镍基及钛合金等材料的加工。推荐用于麻花钻头、立铣刀、丝锥等。 For processing plain steel, stainless steel, heat resistant steel, nickel base and titanium alloy etc. Recommended for twist drills, end mills, taps, etc.	
CF12	12	0.6μm	HRA92-92.5	14.1g/cm ³	3800	适用于加工钛合金、耐热合金、不锈钢、硬化钢、灰口铸铁、玻璃纤维增强塑料、复合材料等。 For processing titanium alloy, heat resistant alloy, stainless steel, hardened steel, grey cast iron, glass fiber reinforced plastics, composite materials, etc.	
CFK3	13	0.8-1.0μm	HRA90.5-91	14.06g/cm ³	3600	冲压之棒材、芯棒、耐磨件等用。 It's suitable for mandrel, Wear resistant parts, rod for mold etc.	



硬质合金长条

Tungsten Carbide Strips

木工刀具用硬质合金长条/板。

Used for wood cutter, tungsten carbide strips/plate.

规格指标

Specifications

Grade	Density (g/cm ³)	Co	ISO	JIS	USA	HRA	HV20	TRS (kgf/mm ²)
LF08	15.00	6%	K05/K10	V1	C3	92.5	1700	≥240
LF10	15.00	6%	K10/K15			92	1620	≥260
LF30	14.75	9%	K25/K36	V3		90	1360	≥280
LF06F	14.90	7%	K05	Micro-Grain		93	1750	≥240
LF08F	14.85	8%	K05/K10			92.6	1800	≥280
LF10F	14.60	10%	K10			91.8	1600	≥350

钼粉

Molybdenum Powder

规格指标

Specifications

牌号 Grade		Fmo-0	Fmo-1
钼含量 Mo Content (min)		99.95%	99.9%
杂质含量 (PPM 不大于) Impurities (PPM max.)	Fe	50	60
	Al	15	20
	As	10	-
	Bi	10	-
	C	40	75
	Ca	20	20
	Co	30	-
	Cr	20	30
	Cu	10	20
	K	20	-
	Mg	10	20
	Mn	5	10
	Na	10	-
	Ni	10	20
	O	500	2000
	P	10	20
	Pb	10	10
	S	20	-
	Si	10	30
Ti	10	10	
W	100	0	

FSSS: 2-4 μ m

钼条

Molybdenum Bar

尺寸 Size: W*H*L

钼条 Mo bar: (14-20)*(14-20)*(450-600)mm

钼板 Mo plate: (14-18)*(40-60)*(150-180)mm

密度 Density

Mo-1≥9.8g/cm

Mo-2≥9.3g/cm

用途 Application

Mo-1 主要用于电火花线切割和电光源材料钼丝的原料。

Mo-2 主要用来作为钢铁冶炼添加剂。

Mo-1 For manufacturing molybdenum wire

Mo-1 For manufacturing molybdenum wire

规格指标

Specifications

牌号 Grade		Mo-1	Mo-2
钼含量 不小于 Mo Content min.		99.90%	99.70%
杂质含量 (不大于 PPM) Impurities (PPM max.)	Sb	-	-
	Sn	-	-
	W	-	500
	Fe	60	300
	Si	30	100
	Ca	20	100
	Al	20	10
	Mg	10	20
	Ni	30	30
	P	10	10
	C	100	200
	O	50	300

钨铁

Ferro Tungsten

钨铁属铁合金系列(含钨量为：70%-85%)，是钨和铁组成的合金，用作炼钢的合金添加剂。由钨铁研磨可得钨铁粉。

Ferro tungsten is iron alloy(tungsten: 70%~85%), is composed of iron and tungsten alloy, used as additive in steel making.

Specifications

规格指标

牌号Grade		FeW80-A	FeW80-B	FeW80-c	FeW70
W(%)不少于		75.0-85.0	75.0-85.0	75.0-85.0	70
杂质含量 %不大于 Impurities (% max.)	C	0.1	0.3	0.4	0.8
	P	0.03	0.04	0.05	0.06
	S	0.06	0.07	0.08	0.1
	Si	0.5	0.7	0.7	1
	Mn	0.25	0.35	0.5	0.6
	Cu	0.1	0.12	0.15	0.18
	As	0.06	0.08	0.1	0.1
	Bi	0.05	-	-	-
	Pb	0.05	-	-	-
	Sb	0.05	0.05	0.05	0.05
	Sn	0.06	0.08	0.08	0.1

钨条

Tungsten Bar

Specifications

规格指标

密度 Density

W-1 \geq 17.5g/cm³W-2 \geq 17.5g/cm³W-4 \geq 15.5g/cm³

应用Application

W-1: 钨基合金原料; For tungsten based alloys

W-2: 加工材原料; For processing material

W-4: 合金添加剂; For alloying agents

尺寸Size: W×H×L

钨条 Bar: (12-15)×(12-15)×(500-600) mm

钨板 Plate: (20-50)×(80-180)×350 mm

牌号Grade		W-1	W-2	W-4
W (%min) 不少于		99.95	99.95	99.9
杂质含量 %不大于 Impurities %max.	Fe	0.003	0.005	0.03
	Si	0.002	0.002	0.005
	Ca	0.002	0.002	0.005
	Al	0.002	0.002	0.005
	Mg	0.002	0.002	0.005
	Ni	0.002	0.002	0.005
	Sb	0.001	0.001	0.001
	As	0.0015	0.002	0.002
	Sn	0.0003	0.0005	0.0005
	Mo	0.004	0.004	0.05
	P	0.001	0.001	0.003
	C	0.003	0.005	0.01
O	0.01	0.03	0.05	