



股票简称: 章源钨业 股票代码: 002378
 Stock Abbreviation: Zhangyuan Tungsten Stock Code: 002378



Add(地址): 中国江西省崇义县 Chongyi County, Jiangxi Province, China Website(网址): www.zy-tungsten.com

市场部 Marketing Department

电话(Tel): +86-797-3816600
 传真(Fax): +86-797-3811573
 邮箱(E-mail): zyscb@zy-tungsten.com

进出口部 Import and Export Department

电话(Tel): +86-797-3812880
 传真(Fax): +86-797-3822120
 邮箱(E-mail): export@zy-tungsten.com

粉末销售部 Powder Sales Department

电话(Tel): +86-797-3823339
 传真(Fax): +86-797-3818506
 邮箱(E-mail): zysales@zy-tungsten.com

合金销售部 Cemented Carbide Sales Department

电话(Tel): +86-797-3822070
 传真(Fax): +86-797-3819502
 邮箱(E-mail): sales@zy-tungsten.com

硬质合金精密冲压模具材料

CEMENTED CARBIDE

PRECISION STAMPING DIE MATERIAL



崇义章源钨业股份有限公司
 CHONGYI ZHANGYUAN TUNGSTEN CO.,LTD

公司简介

Enterprise Introduction

崇义章源钨业股份有限公司位于“世界钨都”——江西省赣州市的崇义县，始创于2000年。公司主要从事钨精矿的采选及以钨为原料的仲钨酸铵（APT）、氧化钨、钨粉、碳化钨粉、热喷涂粉、硬质合金的研发、生产及销售。拥有完整的钨产业链，建立了从钨的探采选直至精深加工的一体化生产体系，拥有优质和稳定的产品性能。

Chongyi Zhangyuan Tungsten Co., Ltd. is located in Ganzhou, Jiangxi Province, the capital of tungsten, which was founded in 2000. It is mainly engaged in the selection of tungsten concentrate and centered in developing, manufacturing and distributing tungsten products such as Ammonium Paratungstate (APT), Tungsten Oxide, Tungsten Powder, Tungsten Carbide Powder, Thermal Spray Powder, and Cemented Carbides. It has a complete tungsten industry chain and established an integrated production system from tungsten mining to deep processing, ensuring the products with high-quality and stable performance.

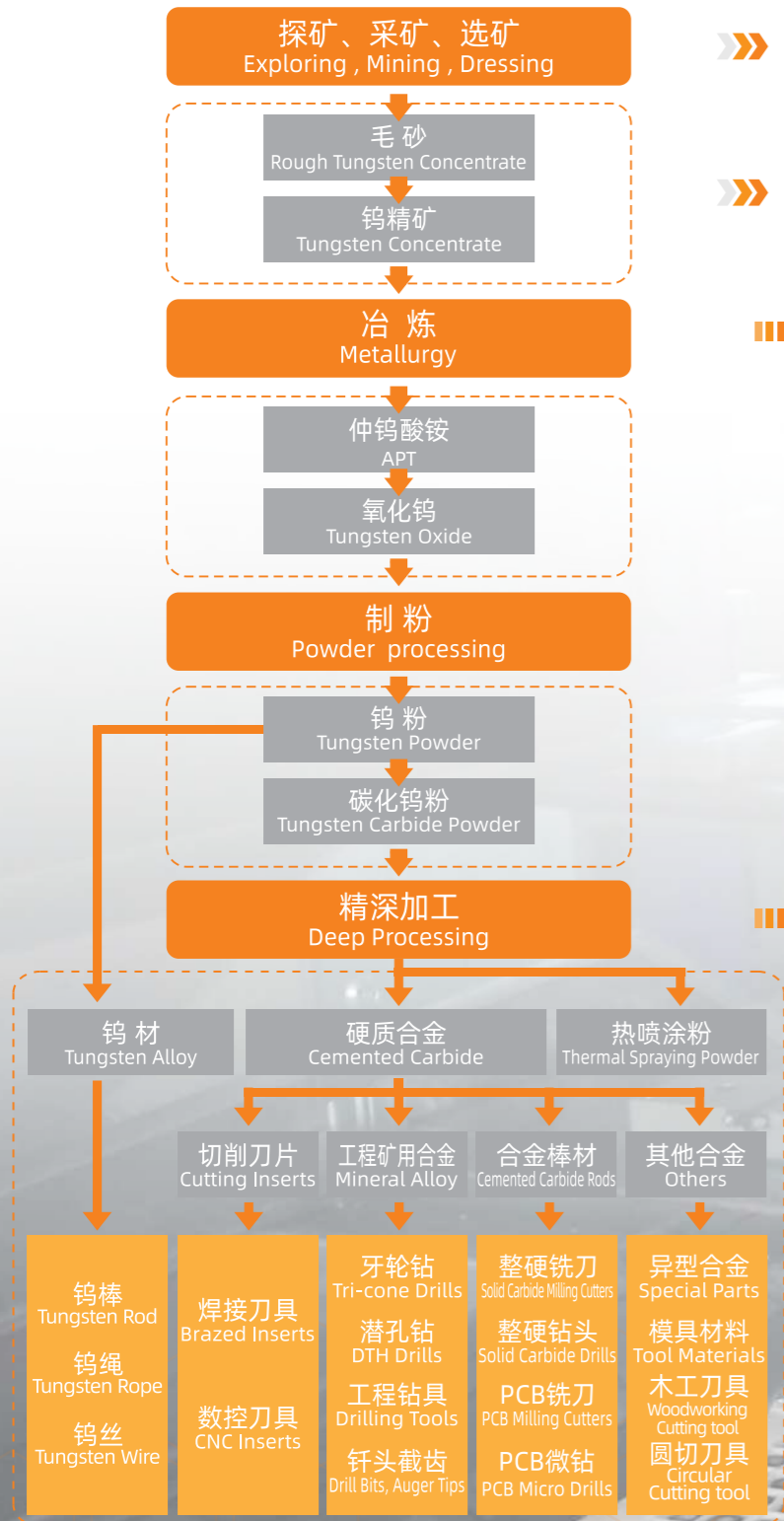


- | | | |
|----------------------------|--|--|
| <p>1 2
3 4 5</p> | <p>1. 高新技术企业证书
High-tech Enterprise Certification</p> <p>2. 国家技术创新示范企业
National Technological Innovation Model Enterprise</p> <p>3. ISO9001:2015质量管理体系认证证书
Quality Management System Certification</p> | <p>4. ISO14001:2015
环境管理体系认证证书
Environmental Management System Certification</p> <p>5. ISO50001:2018
能源管理体系认证证书
Energy Management System Certification</p> |
|----------------------------|--|--|



完整的钨行业产业链

The Complete Tungsten Industry Chain



绿色矿山
Green Mine

资源综合利用
Comprehensive Utilization of Resources

绿色工厂
Green Factory

高附加值
High Value-added

生产流程

Product Process

采矿
Mining

硬质合金主要成分源于钨矿。章源钨业拥有自己的矿山，从开采、选矿开始保证原材料的质量供应，从粉末源头控制和保证产品质量。

Cemented carbide's primary component is derived from tungsten ore. Zhangyuan Tungsten owns its own mines, ensuring the quality and supply of raw materials from the start of mining and dressing, controlling and guaranteeing product quality from the powder source.



粉末制备
Powder Processing

钨矿经过冶炼工艺演化成碳化钨，最终制备出RTP粉。近三十年冶炼技术研发和积累，可以提供各种牌号规格。

Tungsten ore evolves into tungsten carbide powder through smelting processes, and is ultimately processed into RTP powder. With nearly thirty years of research and development in smelting technology, we can provide various grades and specifications.



模具
Mold

章源钨业拥有高精度的模具制作设备和经验丰富的团队。可快速定制各种产品的模具。

The company has high-precision mold making equipment and an experienced team and can quickly customize molds for various products.



成型
Pressing

RTP粉末通过成型工艺压制毛坯。拥有多种压制成型工艺技术，可以得到各种几何形状的毛坯。

The company has multiple compression molding techniques, various geometric shapes of blanks can be obtained.



烧结
Sintering

章源钨业拥有先进的烧结设备，匹配独特的烧结工艺，保证烧结后毛坯组织的致密性和均匀性。

The company has advanced sintering equipment matched with unique sintering processes to ensure the density and uniformity of the raw material structure after sintering.



质量控制
Quality control

任何细微的缺陷都可能严重影响硬质合金的产品性能。完整的产业链优势使得我们能够严格控制所有的生产环节质量，以保证产品性能稳定性和一致性。

Any minor defect can seriously affect the product performance of cemented carbide. The advantage of a complete industrial chain enables us to strictly control the quality of all production processes to ensure product performance stability and consistency.



常规产品牌号 General product grade

牌号 Grade	密度 Density g/cm ³	WC晶粒度 WC grain size μm	钴含量 CO %	硬度 Hardness HRA
YG6X	14.90	0.6	6	92.5
Yg6	14.95	1.5	6	90.5
YG8	14.75	1.5	8	90.0
YG11AM	14.35	1.5	11	89.5
YG15	14.05	2.5	15	86.5
YG20C	13.55	3.0	20	84.0

产品牌号对标 Product grade comparison

章源牌号 ZW Grade	海博锐 HYPERION	肯纳 KENNAMETAL	富士钨钢 FUJILLOY	春保 CB-CERATIZIT
ZP0209	9NF		F08	
ZP0212			TF09	TF25+
ZP0412	12UF		F10	CF8+
ZP0610	10EF			
ZP0612	12EF			TF20
ZP0810	H10F	KR855	VF12	WF15
ZP0815	H15F	CD650	F20	KG7
ZP1012		KR466		CF12*
ZP1506	H6N			
ZP2012			D40	
ZP3013			G55	KG5
ZP4012	H12N		D50	KG4
ZP5006	H6P			
ZP5012	H11P		C60	

精密冲压模具材料牌号 Precision stamping grade

牌号 Grade	密度 Density g/cm ³	WC晶粒度 WC grain size μm	钴含量 CO %	硬度 Hardness HRA	用途 Applications
ZP0209	14.40	0.2	9	93.7	适用于半导体封装、引线框架、连接器薄材 Suitable for semiconductor encapsulation, lead frame, thin connector.
ZP0212	14.15	0.2	12	93.0	
ZP0412	14.15	0.4	12	92.5	适用于引线框架、连接器薄材 Suitable for lead frame, thin connector.
ZP0610	14.30	0.6	10	92.5	适用于电子连接器、3C五金件、声学光学冲压件 Suitable for electronic connector, 3C hardware, and acousto-optical stamping parts.
ZP0612	14.15	0.6	12	91.5	
ZP0810	14.30	0.8	10	92.0	
ZP0815	13.90	0.8	15	90.0	
ZP1012	14.15	0.8-1.0	12	90.5	适用于电动机、EI钢片、LED线架冲压 Suitable for electric motor, EI steel sheet and stamping of LED thread stand.
ZP1506	14.90	1.8-1.5	6	92.0	适用于纯铜、纯铁、SPCC等软质材料 Suitable for soft materials such as fine copper, pure iron, SPCC.
ZP2012	14.15	1.0-2.0	12	90.0	适用于电机定转子、硅钢片冲压 Suitable for stamping of electric motor and silicon steel sheet.
ZP3013	14.20	2.5-3.0	13	88.5	
ZP4012	14.15	2.0-4.0	12	89.5	适用于铜合金厚板、不锈钢厚板等高抗崩角要求的工况 Suitable for processing of copper alloy thick plate and stainless steel thick plate with high anti-breakage angle.
ZP5012	14.15	5	12	87.0	
ZP5006	14.90	0.5-5	6	90.0	适用于纯铜、纯铁、铝合金、低碳钢等软金属材料冲压 Suitable for stamping of soft metal materials such as pure copper, pure iron, aluminum alloy, and low-carbon steel.

产品尺寸规格 Size of product

单位(units): mm

长度(L) Length	宽度(W) Width	长宽公差 Length and width tolerance	厚度(T) Thickness	厚度公差 Thickness tolerance	长度(L) Length	宽度(W) Width	长宽公差 Length and width tolerance	厚度(T) Thickness	厚度公差 Thickness tolerance
100	100	+0/+2	1-10	+0.4/+0.8	150	150	+0/+2	1-10	+0.4/+0.8
			11-20	+0.5/+1.0				11-20	+0.5/+1.0
			21-40	+0.6/+1.2				21-40	+0.6/+1.2
			41-60	+0.8/+1.5				41-60	+0.8/+1.5
105	105	+0/+2	1-10	+0.4/+0.8	200	200	+0/+2	1-10	+0.4/+0.8
			11-20	+0.5/+1.0				11-20	+0.5/+1.0
			21-40	+0.6/+1.2				21-40	+0.6/+1.2
			41-60	+0.8/+1.5				41-60	+0.8/+1.5
125	112.5	+0/+2	1-10	+0.4/+0.8	250	250	+0/+2	1-10	+0.4/+0.8
			11-20	+0.5/+1.0				11-20	+0.5/+1.0
			21-35	+0.6/+1.2				21-35	+0.6/+1.2

※ 可根据客户要求定制各种尺寸规格
※ Can accept the customized requirements