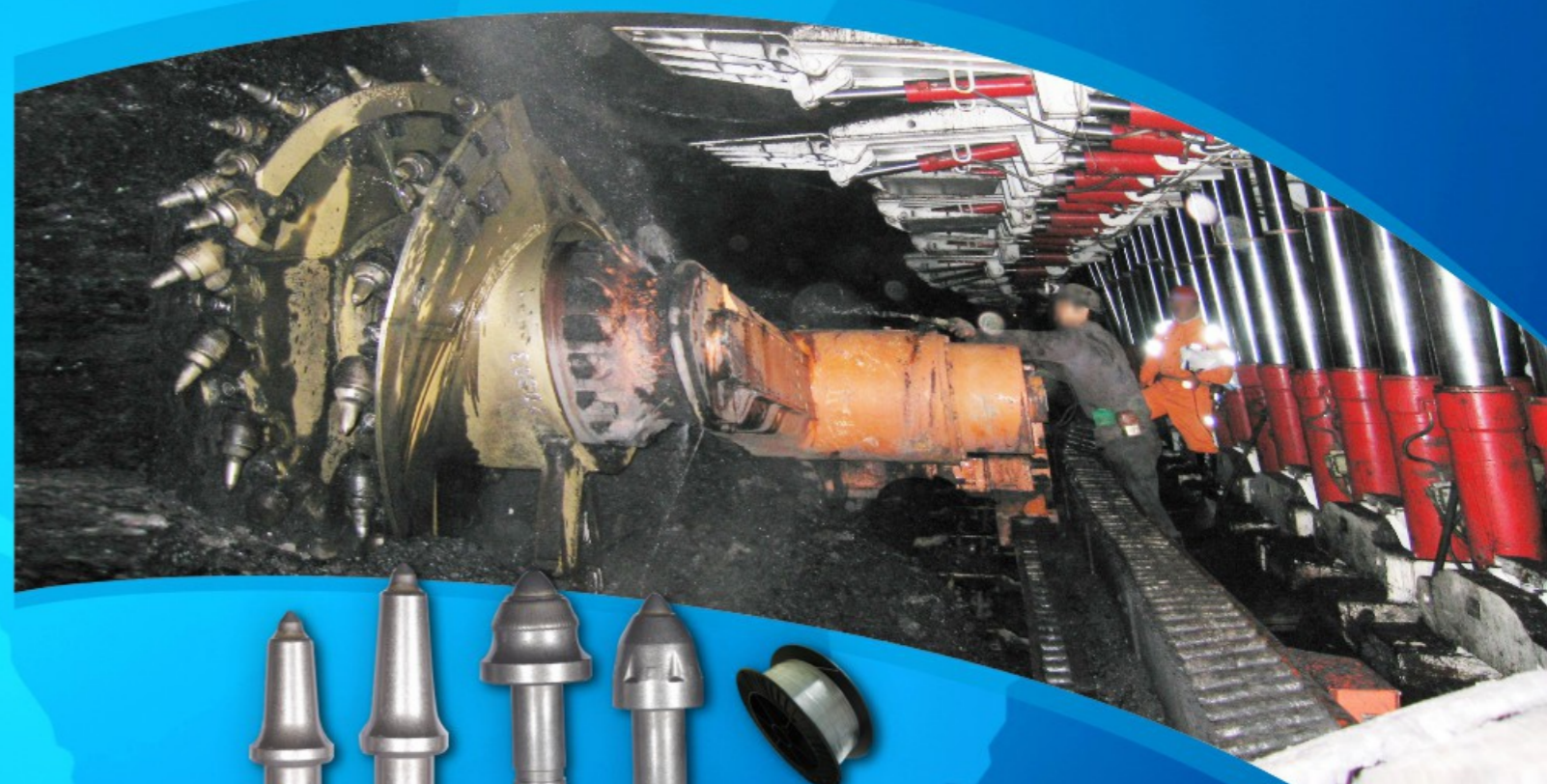


CB1301-1910



ZGCC

SERIES FOR COAL MINING



自贡硬质合金有限责任公司
ZIGONG CEMENTED CARBIDE CORP., LTD.

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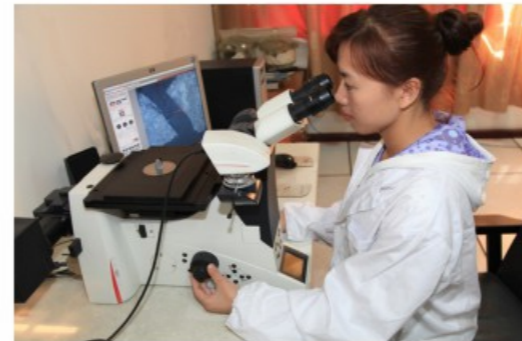


ZIGONG CEMENTED CARBIDE CORP.,LTD

- Zigong Cemented Carbide Corp.,Ltd (ZGCC) is a member of the China Minmetals Group, one of the top 500 companies globally.
- ZGCC is the first company to build large scale cemented carbide manufacturing plant in China.
- It is one of the leading manufacturers of cemented carbides and carbide cutting tools domestically for 50 years.
- ZGCC is a major supplier of hard-facing materials globally and can supply first class technical support on application of product.
- ZGCC is leading producer of tungsten and molybdenum products in China with state-of-the-art manufacturing capabilities allowing us to produce consistent high quality.
- We have a highly recognized Research and Development group to develop standardized and customized products in various grades and shapes to meet any customer's requirements.
- ZGCC focus is to meet customer needs and expectations through continued development and improvement to products and interaction with customer needs.
- ZGCC will continually strive to develop and seek new materials and ways to improve product quality, performance and customer relations to meet the changing demands of today's market.



OUR ADVANTAGE



ISO9001:
CN-CQC08Q10970
ISO14001:
CN-CQC08E22096



体系认证
CNAS C001-Q

ZGCC has been concentrating on the specialized fields for 50 years.

Set up specialized plants and subsidiary companies for corresponding products.

A reliable manufacture system supported by the up-to-date processing equipment, highly skilled and professional work team and the effective quality assurance system.

An integrated administration for the manufacture system has already been fulfilled with the support of the advanced ERP Information system, thus ensuring a quick response to the market.

Our products are always reliable and repeatable and able to meet each customer's needs.

Solutions

Flow Chart for Coal Mining01

Application Classification

Ground Mining—Drilling and blasting
Ground Mining—Coal Mining01

Underground Mining—Rotary Drilling02

Underground Mining—Mining03

Ground and Underground Mining—Coal Washing04

Solutions

Parts Selection05

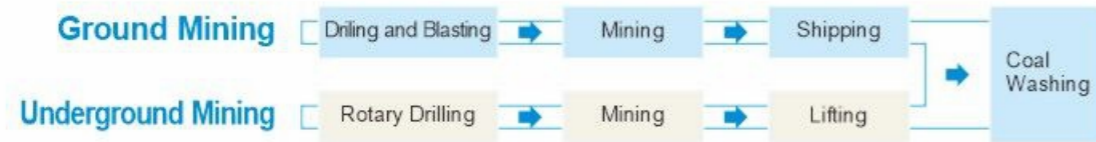
CONTACT US

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Solutions

Flow Chart for Coal Mining










Application Classification

Ground Mining—Drilling and Blasting

Equipments	Products	Application Parts
	Cemented Carbide Parts Engineering tips 	

Ground Mining—Coal Mining

Equipments	Products	Application Parts
	Miner Tools Shear tools 	
	Miner Tools Holder system 	
	Cemented Carbide Parts Mining tips 	
	Hardfacing Materials Welding wire 	

Underground Mining—Rotary Drilling

Equipments	Products	Application Parts
	Miner Tools Shear tools 	
	Miner Tools Holder system 	
	Cemented Carbide Parts Mining tips 	
	Hardfacing Materials PTA welding powder 	
	Hardfacing Materials Welding wire 	



Solutions

Underground Mining—Mining

Equipments	Products	Application Parts
Longwall Shearer Continuous Shearer	Miner Tools Shear tools	
	Miner Tools Holder system	
	Cemented Carbide Parts Mining tips	
	Hardfacing Materials PTA welding powder	
	Hardfacing Materials Welding wire	
End Shearer	Cemented Carbide Parts Mining tips	
		

Ground and Underground Mining-Coal Washing

Equipments	Products	Application Parts
Coal Washer	Wear Resistance Service Sieving basket	
		

Longwall Shearer



Introduction

Parts Selection

Mining Methods	Mining Flow	Products	Page
Ground Mining	Drilling and Blasting	Engineering Tips	6
		Shear Tools	7
	Mining	Holder System	7
		Shear Bits	7
		PTA Welding Powder	8
		Welding Wire	8
Underground Mining	Rotary Drilling	Shear Tools	9
		Holder System	9
		Shear Bits	9
		PTA Welding Powder	10
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	Mining	Shear Tools	11
		Holder System	11
		Shear Bits	11
		PTA Welding Powder	12
		Welding Wire	12
Ground and Underground Mining	Coal Washing	Siever	13

Ground Mining— Products for Drilling and Blasting

Carbide Products ★Engineering Tips

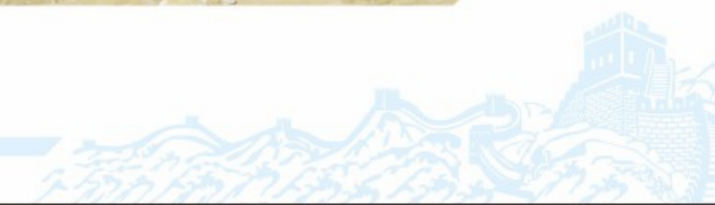
Products	Application Parts	Applications
		It is used for manufacturing column teeth bit and drill bit, and it is mostly used for ground mining.

Advantage:

After about 40 years' development, ZGCC accumulated special technology. For raw materials, The Top-quality WC powder is produced by European high temperature carbonization furnace. For the technology, advanced paraffin hexane process and spraying process are adopted. For the equipment, Has introduced foreign advanced ALD low pressure sintering furnace, automatic manipulator press. For the inspection, It has obtained the national CNAS laboratory recognized quality testing center, with first-class product composition analysis, physical and metallographic performance testing and product size precision measurement capabilities.

R & D as per requirements:

We have a professional technical team, and constantly looking for new materials technology breakthroughs in order to improve the service life of the product, has formed cutter tooth alloy tools, mining drilling alloy, roller press column nails, rotary drilling teeth, alloy matrix PDC, geological exploration and so on six big series of products, used in coal mining, road surface maintenance, metallurgical processing, oil and gas, iron and steel, cement, railway and water conservancy and highway bridge construction and other new fields at present.



Introduction

Ground Mining— Products for Drilling and Blasting

Miner Tools ★ Shear Tools

Products	Application Parts	Applications
		Ground Mining

Advantage:

- High-quality raw materials. cold forged steel parts. The wear and breakage resistance improved significantly because of ultra-coarse grain size.
- Advanced technology and equipment. Continuous automatic brazing production line, high stability. special treatment process, great wear resistance.



Miner Tools ★ Holder System

Products	Application Parts	Applications
		Holder matching Great Wall mining tips.

R & D as per requirements:

We can cooperate with customers to R&D ground carbide mining tips, tips mating and holders.

Carbide products ★ Shear Bits

Products	Application Parts	Applications
		It is used for constituting Shear tools, applicated for al kinds if coal mining.

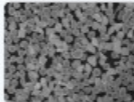
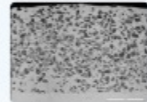
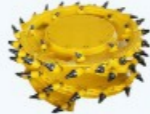
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Hardfacing Materials ★ PTA Welding Powder—Casting WC/Ni Based Self-Fluxing Alloy

Products	Application Parts	Applications
 	 	It is widely used in pre-strengthening or repairing wear - resistant surface. Application of mining industry shearer, roadheader, cutting teeth, middle slot, hydraulic prop and other surface enhancement surfacing welding.

Products Introduction and Its Properties:

It is one kind of dark grey particle, casting WC and Ni - based alloy powder mechanical mixture, Cast WC is irregular shape, high hardness (2200 HV0.1), good wear resistance; Ni - based alloy powder is spherical or nearly spherical, and with good wettability with WC casting. PTA surfacing welding layer has low porosity and good wear resistance.

Hardfacing Materials ★ Welding Wire—Wear Resistant High Chromium Cast Iron Surfacing Welding Wire

Products	Application Parts	Applications
	 	It is used in repairing and remanufacturing wear-resisting plate, hammer head, engineering cutting teeth, propeller and excavator leading edge and so on.

Products Introduction and Its Properties:

By filling iron-based alloy powder which contains Cr, Mo, Nb and so on into the steel strip and drawing it into welding wire to different diameters. The deposited metal is high chromium cast iron alloy. The welding layer has high hardness and good wear resistance of abrasive particles. Cracks on the surface can release stress.



Introduction

Underground Mining-Rotary Drilling Relevant Products

Miner Tools ★ Shear Tools

Products	Application Parts	Applications
		Rotary drilling, cutting a passage into a coal seam.

Advantage:

- High-quality raw materials. cold forged steel parts. The wear and breakage resistance improved significantly because of ultra-coarse grain size.
- Advanced technology and equipment. Continuous automatic brazing production line, high stability. special treatment process, great wear resistance.



Miner Tools ★ Holder System

Products	Application Parts	Applications
		Tip holder matched with 38 mm handle.

R & D as per requirements:

We can cooperate with customers to R&D the tips, tips matings and its holders as per requirements.

Carbide Products ★ Shear Bits

Products	Application Parts	Applications
		It is used for constituting Shear tools, applicated for al kinds if coal mining.

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Introduction

Underground Mining — Mining Relevant Products

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Products	Application Parts	Applications
		Rotary drilling, cutting a passage into a coal seam.

Advantage:

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Miner Tools ★ Holder System

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		Tip holder matched with 38 mm handle.

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Introduction

Ground and Underground Mining—Coal Washing

Wear Resistance Service ★ Sieving Basket

Products	Application Parts	Applications
		It is used for manufacturing column teeth bit and drill bit, and it is mostly used for ground mining.

Advantage:

Siever, it is a part of coal washing equipment for sieving, used for coal and water separation. Supersonic flame spraying technology can effectively enhance the service life of the face in contact with coal by 2-4 times.

R & D as per requirements:

In the field of coal mining and deep processing, our company can specify wear-resistant and corrosion-resistant coating products according to the parts of the equipment under various wear and corrosion conditions of customers, which can effectively extend the service life of relevant parts and improve production efficiency.



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