



生产基无锡钻探工具厂有限公司（原地质矿产部无锡钻探工具厂）始建于1958年，2014年3月企业正式改制更名，现为地质装备集团有限公司直属企业，是国内钻探工具专业地。2008年5月迁入无锡市惠山经济开发区，占地面积120亩，现有固定资产近两亿元，职工人数600多人，技术力量雄厚。迁入新厂区后，投入资金2800万元进行技术改造，引进了多台套国内一流的专业化生产线。近几年，企业加强同中国地质大学（武汉）、吉林大学、中国地质科学院勘探技术研究所合作，承担多个国家、省部级科技研究项目，企业拥有多项自主知识产权专利，新产品多次刷新国内深孔小口径钻探施工记录，是《地质岩心钻探钻具》国家标准的制定者，是国内唯一一家具有地勘产品量规设计制造能力的企业。企业营销网络健全，并设有国际贸易部，拥有自营进出口权。2001年，通过了ISO9001：2000质量体系认证；2010年通过美国石油协会API 5DP产品认证；2011年被评为高新技术企业。2012年企业成功申报江苏省重大科技成果转化专项资金项目，同年阿特拉斯·科普柯矿山与岩石开挖技术部与我厂的合作签约；2014年本企业改制工作已完成，正式更名为“无锡钻探工具厂有限公司”。

## About us

Wuxi Drilling Tools Factory Co., Ltd. (Geology and Mineral Resources Bureau Wuxi Drilling Tools Factory) founded in 1958, which now is an state-owned enterprise directly under China Geological Equipment Group Co.,Ltd., the production base for manufacturing geological drilling tools in China. In May 2008, we relocated our plant in Huishan district covering an area of 80000㎡ with USD 35,000,000 fixed assets. Over 600 employees and a strong technical force team in our company. USD 5,000,000 has been invested for making the technical transformation and introducing a series of national-advanced production lines, in the recent years, we strength our connection to China University of Geosciences(Wuhan), Jilin University, Exploration Institute of Technology of Chinese Academy of Geological Sciences, undertaken lots of national-provincial level scientific researching projects, owned so many proprietary intellectual property rights, our new patent drill rods has refreshed the depth records of small-bore drilling at the site investigation repeatedly.

We participated in and set the “Geological Core Drilling Tools” (China national standard: ISO 3551:1992, Diamond core drilling equipment system A, ISO 10097:1999, wireline diamond core drilling equipment system A, NEQ), and the only one who has the ability to design and manufacture the gauges for geological drilling tools in China.

Our marketing system is effective and comprehensive for domestic and oversea markets, we have domestic & oversea sales divisions and Import Export License for do the international business. There are some special events for us:

- In 2001, we’ re certified by ISO9001:2000 Quality System Certification;
- In 2010, we passed the API 5DP production certification;
- In 2011, we’ re awarded High & New Technical Enterprise honor.
- In 2012, we’ re successfully applied for getting the fund support of achievement transformation of Jiangsu province significant scientific and technological achievement project. And signed the Strategic Partnership with Atlas Copco Ming and Rock Exploration Division;
- In 2014, we complete the restructuring of enterprise,named to be Wuxi Drilling Tools Factory Co.,Ltd.



## 主要产品有:

地质钻探工具、非开挖整体加厚钻杆及机具、各种牌号的硬质合金及硬质合金制品、冲击器与跟管钻具、人造金刚石钻头扩孔器及金刚石制品。

## Products Scope:

Geological drilling tools, HDD one-piece upsetting drill rods & accessories, various kinds of tungsten carbide and their products, DTH hammers, impregnated/surface set diamond bits and reaming shells and diamond products.



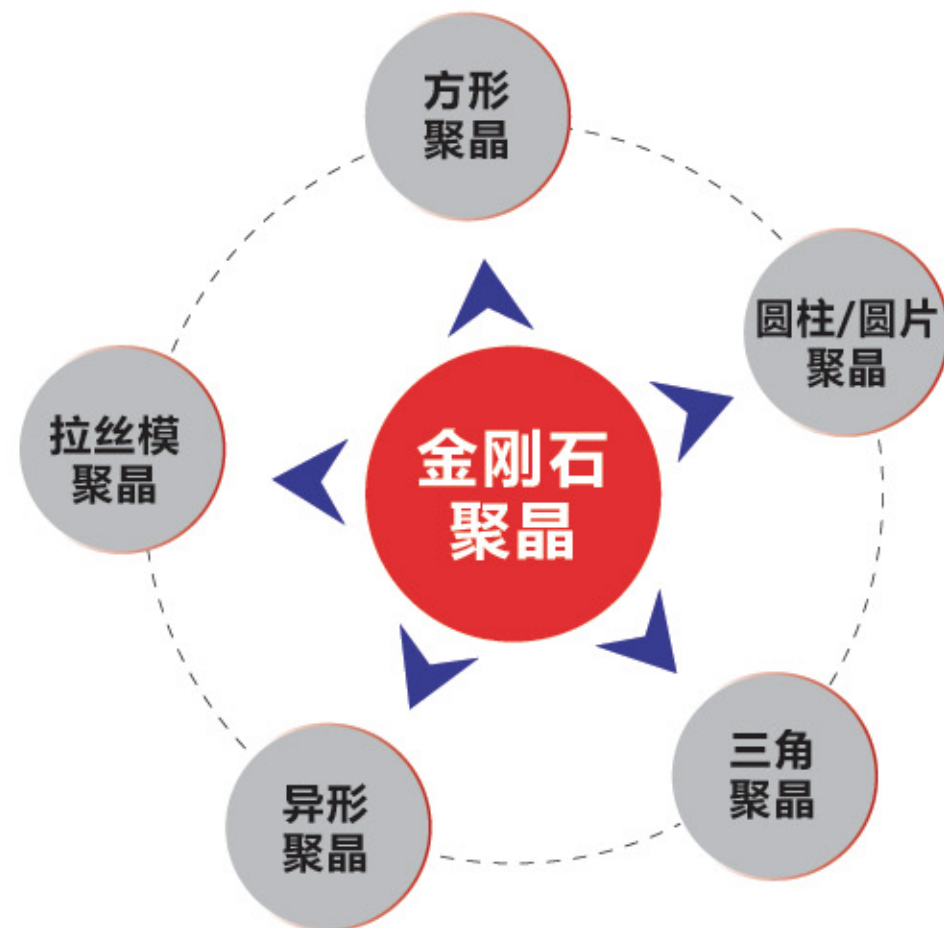
金刚石聚晶抗冲击性优于单晶金刚石，具有高耐磨性、高冲击性、高耐热性。耐热型金刚石聚晶（简称TSP）在非氧环境中耐热1180°C以上。本产品广泛用于石油、地质、煤田钻头制作和宝石加工行业。可根据用户需求生产各种规格、形状、性能的产品。

在非氧环境中耐热1150° 以内。

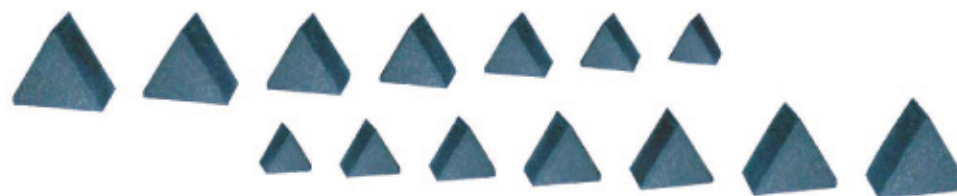
Synthetic Polycrystalline Diamond (PCD)

The PCD has many perfect properties such as high wearresistance,high toughness and high thermostability.The thermo-resistance of TSP can reach 1180°C in nonoxidizing Less than 1150° environments.It can be widely used for the fields of oil drilling,mining,mechanical processing and gemstones processing.

Various kinds of PCD with different dimensions and shapes such as cylinder,triangle,cube,rectangle and disc etc can be supplied in accordance with the requirement.



用于金属线材加工和热拉钨、钼线材的模芯



**Product specification classification:**

- 1、CUBE PCD(TSP)
- 2、CYLINDER PCD(TSP)
- 3、TRIANGLE PCD(TSP)
- 4、SPECIAL-SHAPED PCDS(TSP)
- 5、WIRE DRAWING DIE PCD

Can be used for wire drawing dies of hard materials such as stainless steel, tungsten and molybdenum.



方聚晶 CUBE&RECTANGLE PCD(TSP)	圆柱、圆片聚晶 CYLINDER PCD(TSP)	三角聚晶 TRIANGLE PCD(TSP)	异形聚晶	拉丝模聚晶 WIRE DRAWING DIE PCD
□1×1×1	Φ0.8×4	△4×2.6	J3×3×10	Φ6×4
□1.5×1.5×4	Φ1.5×5	△4×3		Φ6×10
□1.5×1.5×5	Φ3×5	△4.5×3.2		Φ8×4
□1.5×1.5×1.5	Φ3×10	△5×3		
□1.8×1.8×4.5	Φ6×3	△5.2×4.3		
□2×2×2	Φ6×4	△6×4.2		
□2×2×4.5	Φ6×12	△6.2×4.3		
□2.5×2.5×2.5	Φ8×3			
□3×3×3	Φ10×4			
□3×4×5	Φ10×5			
□3×4×10	Φ13×5			
□3×10×10	Φ13.5×4			
□4×4×4	Φ16×8			
□5×5×5	Φ16×12			
□5×5×10				
□15×15×15				

本产品通过ISO9001质量体系认证。

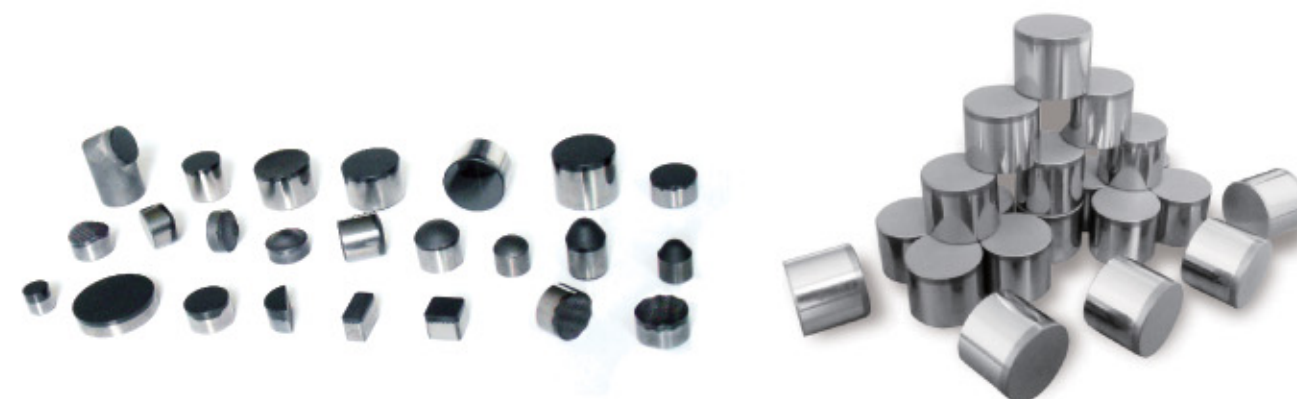
金刚石复合片是一种金刚石与硬质合金基体组成的超硬复合材料。它既有金刚石的硬度和耐磨性，又有硬质合金的强度和韧性，可广泛应用于机械加工工具、石油钻井、地质勘探和煤田钻采等行业。

我厂可提供具有优良耐磨性、较好抗冲击性和热稳定性的多种规格的金金刚石复合片产品，也可根据客户要求，生产特殊规格产品。

**Polycrystalline Diamond Compact (PDC)**

Polycrystalline Diamond Compact (PDC) is a super hard composite material synthesized a layer of selected diamond partials and bonded to a tungsten carbide substrate. Combining the properties of both super hardness and abrasion resistance of diamond with outstanding strength and toughness of tungsten carbide, PDC has been widely used in mechanical industry, oil well drilling, geological prospecting drilling and coal mine drilling.

Our company produces high quality PDC products of different types and sizes. The products possess good abrasion resistance, impact resistance and high thermal stability. Apart from our standard products, we also made PDC by customer' s requirements.



**P系列 P Series**

名称 Item No.	规格 Specification		金刚石层厚 PCD Thickness
	直径 Diameter	高度 Height	
BZ-P10050500EA8	10.05	5.00	1.4
BZ-P10000800GA8	10.00	8.00	2.2
BZ-P13300450EA8	13.30	4.50	1.4
BZ-P13300500EA8	13.30	5.00	1.4
BZ-P13440800EA8	13.44	8.00	1.4
BZ-P13440800FA8	13.44	8.00	1.8
BZ-P13440800FA5	13.44	8.00	2.0
BZ-P13440800FA9	13.44	8.00	2.0
BZ-P13441320GA8	13.44	13.20	2.2
BZ-P16051320GA8	16.05	13.20	2.2
BZ-P19051320GA8	19.05	13.20	2.2

**Y系列 Y Series**

名称 Item No.	规格 Specification		金刚石层厚 PCD Thickness
	直径 Diameter	高度 Height	
BZ-P13440800FA8	13.44	8.00	1.8
BZ-P13440800FA5	13.44	8.00	2.0
BZ-P13440800FA9	13.44	8.00	2.0
BZ-P13441320GA8	13.44	13.20	2.2
BZ-P16051320GA8	16.05	13.20	2.2
BZ-P19051320GA8	19.05	13.20	2.2
BZ-F16051320GA8	16.05	13.20	2.2
BZ-F16051750GA8	16.05	17.50	2.2
BZ-K16051320GA8	16.05	13.20	2.2

树脂结合剂人造金刚石砂轮可用于硬质合金及脆硬性非金属材料加工。

本产品采用进口树脂粉，精选优质人造金刚石，质量可靠。

本产品规格、品种繁多，形状有：平形、杯形、碗形、碟形以及加强基体形等等众多形状产品。



**Resin Bond Diamond Wheels**

The resin bond diamond wheels are mainly used for grinding tungsten carbide and non-metal materials. Various kinds of dimensions and shapes are available, such as flat shapes, cup shapes and dish shapes etc.

**K系列 K Series**

名称 Item No.	规格 Specification		金刚石层厚 PCD Thickness
	直径 Diameter	高度 Height	
BZ-K13300500EA8	13.30	5.00	1.4
BZ-K13440810FA8	13.44	8.10	1.8
BZ-K16051320GA8	16.05	13.20	2.2

**B系列 B Series**

名称 Item No.	规格 Specification		金刚石层厚 PCD Thickness
	直径 Diameter	高度 Height	
BZ-B13440950FA8	13.44	9.5	1.8

**主要规格 Main Specifications**

平形 flat shapes	碗形 bowl shapes	碟形 dish shapes
Φ25~Φ500	Φ80~Φ200	Φ100~200

**F系列 F Series**

名称 Item No.	规格 Specification		金刚石层厚 PCD Thickness
	直径 Diameter	高度 Height	
BZ-F13300450EA8	13.30	4.50	1.4
BZ-F13300500EA8	13.30	5.00	1.4
BZ-F13440800FA8	13.44	8.00	2.0
BZ-F13441650GA8	13.44	16.50	2.2
BZ-F13441750GA8	13.44	17.50	2.2
BZ-F16051320GA8	16.05	13.20	2.2
BZ-F16051750GA8	16.05	17.50	2.2

**M系列 M Series**

名称 Item No.	规格 Specification		金刚石层厚 PCD Thickness
	直径 Diameter	高度 Height	
BZ-P13300450EA8	13.30	4.50	1.4
BZ-P13300500EA8	13.30	5.00	1.4
BZ-P13440800EA8	13.44	8.00	1.4
BZ-F13300450EA8	13.30	4.50	1.4
BZ-F13300500EA8	13.30	5.00	1.4
BZ-K13300500EA8	13.30	5.00	1.4



- ★金属结合剂人造金刚石砂轮是针对加工硬质合金材料研制开发的产品。
- ★用于硬质合金旋转锉开槽、铣齿。
- ★加工效率高、使用寿命长。



### Metal Bond Diamond Grinders

The metal bond diamond wheels are mainly used for grinding the hard materials such as tungsten carbide.

#### 主要规格 Main Specifications

Φ100*5*5 ( 5*3 )	Φ85*5*5 ( 5*3 )	Φ60*5*5(5*3)
Φ50*5*3(5*5)	Φ30*4*3	

## 金属结合剂人造金刚石无心磨轮

### Metal Bond Centerless Diamond Wheels

- ★金属结合剂人造金刚石无心磨轮，主要用于钨铁硼永磁材料加工。
- ★性能价格比大大高于碳化硅砂轮和树脂金刚石砂轮。

### Metal Bond Centerless Diamond Wheels

The metal bond centerless Diamond Wheels are used for grinding the permanent magnetic materials. The performance is much improved compared with resin bond diamond wheels.

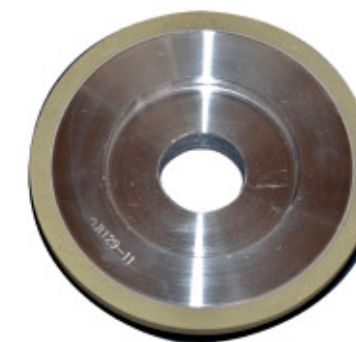


#### 主要规格 Main Specifications



Φ150*Φ50*4	Φ125*Φ50*4	Φ100*Φ50*4	Φ100*32*2
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陶瓷结合剂金刚石砂轮有高强度，耐热性能好，切削锋利，磨削效率高，磨削过程中不易发热和堵塞，热膨胀量小，易控制加工精度。同树脂结合剂金刚石砂轮相比，它解决了树脂金刚石砂轮的低寿命，磨削效率低，磨具本身在磨削过程中易变形的问题。



Ceramic bond diamond grinding wheel with advantage of high strength, good heat resistant performance, sharp cutting, not easy to get hot and congestion during grinding process, small thermal expansion, easy to control the machining accuracy. Compared with resin bond diamond grinding wheel, it solved the problem of low service life, low grinding efficiency, and the grinding tool itself easily to deformation in grinding process.

#### 主要规格 Main Specifications

50*50*40*10*5	150*50*40*10*3	150*50*40*10*10
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## 石油钻头孕镶块及包镶聚晶

### Sintered diamond oil bit segment

- ★石油钻头孕镶块主要用于油田钻井中钻进硬地层及砾石地层。
- ★对PDC和牙轮钻头受制约地层效果优越。
- ★本品选用进口金刚石，特制胎体配方，几何形状合理。

### Sintered diamond oil bit segment

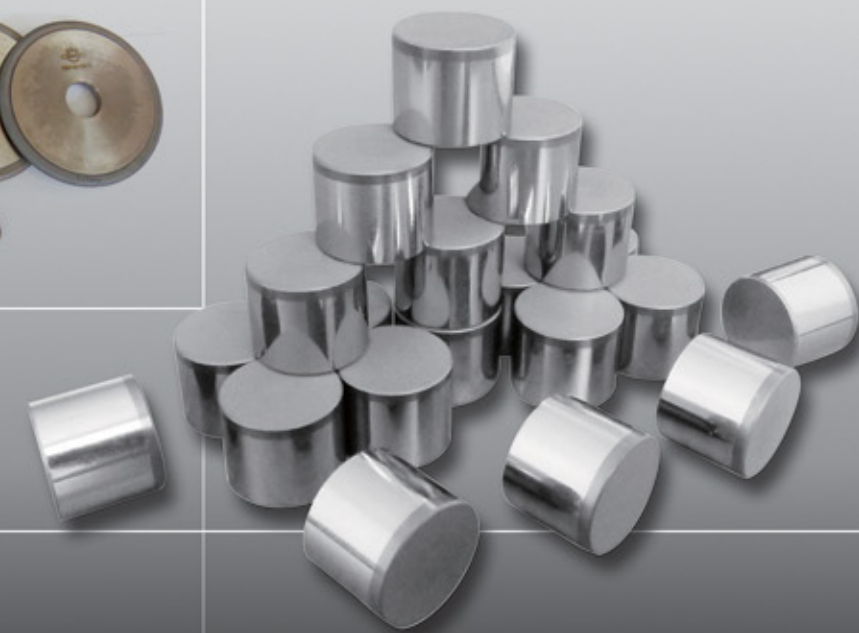
- ★Sintered diamond oil bit segment are mainly used for manufacturing the oil bits for drilling hard formations.
- ★The segment can be made with various kinds of geometric shapes.





无锡钻探工具厂有限公司

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