



国家制造业单项冠军  
全球领先的表面处理综合服务商

NATIONAL MANUFACTURING INDIVIDUAL CHAMPION  
GLOBAL LEADING SURFACE TREATMENT INTEGRATED SERVICE PROVIDER

淄博大亚金属科技股份有限公司  
ZIBO TAAMETAL TECHNOLOGY CO.,LTD.

# COMPANY CULTURE

企业文化

中国制造业单项冠军企业  
中国金属磨料生产基地

全球领先的表面处理综合服务商

## | 公司使命 | Company mission

让表面处理更高效、更智能、更绿色  
Make surface treatment more efficient, intelligent, and green

## | 公司愿景 | Company prospect

持续打造全球领先的表面处理综合服务商  
Continuously emerging as a globally leading surface treatment  
integrated service provider

## | 经营理念 | Management idea

产品领先、价值为本、服务卓越、效率至上  
Product Leadership, Value Based, Service Excellent,  
Efficiency First

## | 工作作风 | Work style

迅速反应，马上行动，协调配合，直至落实。  
Respond rapidly, Operate immediately, Coordinate closely,  
Complete faultlessly .

# ABOUT US

关于我们



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GLOBAL LEADING SURFACE TREATMENT INTEGRATED SERVICE PROVIDER



## COMPANY INTRODUCTION / 企业简介

淄博大亚金属科技股份有限公司成立于1997年3月，是全球第二大、亚洲单产最大的金属磨料生产企业，集研发、生产、销售服务于一体，是涂覆涂料前钢材表面处理国家行业标准的制定者。先后荣获国家级高新技术企业、中国制造业单项冠军、中国金属磨料生产基地、国家级绿色工厂等诸多殊荣。

通过不断的创新和探索，从一家单一生产金属磨料的传统生产型企业，已经转型成为一家引领金属表面处理行业发展，集研发、生产、销售、技术咨询、电子商务、自动化装备和工程总包于一体的行业领袖。特别是公司与全球领先的抛丸设备制造商合作，成立了大亚机械科技公司，致力于研发和生产各类高端、智能表面处理机械和配套环保装备，定位全球一流、国内领先，又将是一次向产业链上游延伸的探索。

公司2015年在全国股份转让系统“新三板”挂牌上市，创新层企业，证券代码832532，公司可提供和承揽包括材料、设备在内的各类大型金属表面处理工程的总体实施方案。

多年来，大亚公司始终秉承“让表面处理更高效、更智能、更绿色”的公司使命，持续打造表面处理产业链，不断加大研发和生产投入，聚焦客户需求、保证产品质量、创新解决方案，为“持续打造全球领先的表面处理综合服务商”而奋斗！大亚公司愿与您，携手并进，共同致力于中国制造业的发展，为“中国制造”发出世界最强音而不懈奋斗！

Founded in Mar. 1997, as the second largest supplier in the world and the biggest producer in Asia of metal abrasives, ZIBO TAA METAL TECHNOLOGY CO. LTD integrates R&D, production and marketing, and is the developer of the national industry standard for Surface Treatment of Steel before Coating. It has been awarded as National Hi-Tech Enterprise, National Manufacturing Individual Champion, National Metal Abrasive Production Base, National Green Factory, etc.

With continuous innovation and exploration, TAA has transformed from a traditional producer with single production of metal abrasives to an industry leader leading the development of metal surface treatment industry that integrating R&D, production, marketing, technical consulting, e-commerce, automatic equipment and project contract. In particular, established TAA Machinery in cooperation with world leading shot blasting equipment manufacturer, is committed to R&D and production of various types of high-end, intelligent surface treatment machinery and supporting environmental protection equipment, positioning the world-class and domestically leading, which is a new historic exploration for the company to expand upstream in the industry chain.

TAA was listed on the New OTC Market in 2015 as an innovation enterprise with stock code 832532. TAA can provide and undertake overall solutions for various large-scale metal surface treatment projects, including providing materials and equipment.

Over the years, the company has always adhered to "Make surface treatment more efficient, intelligent, and green" as the mission, continue to build the surface treatment industry chain, continuously increase R&D and production investment, focusing on customer demand, product quality assurance, innovative solutions, and strive to "continuously emerging as a globally leading surface treatment integrated service provider". We are willing to go hand in hand with you, jointly committed to the development of China's manufacturing industry, and make unremitting efforts for the China-made.



公司已被评为“国家级高新技术企业”、“国家级绿色工厂”，拥有国家级金属磨料实验室。

我们与中国工程院、北京钢铁研究总院、哈尔滨工程大学、上海交通大学、济南大学、上海船舶工艺研究所、山东理工大学等国内知名科研院所和高等院校有着广泛的产学研战略合作和技术交流。在“表面处理应用技术”、“高性能金属磨料”、“绿色涂装应用技术”等方面有多项科研合作课题，并在技术人才的专项培养方面有着深入的合作，拥有几十项发明专利和实用新型专利。牵头制定了三项国际标准、七项国家标准。

公司一直致力于新产品的研发及金属磨料在各个领域的应用技术的研究。针对不同领域、不同的表面处理要求，提供最合适的金属磨料及应用技术，为用户量身定做整体应用方案。

TAA is awarded as "National Hi-tech Enterprise" "National Green Factory" and equipped with a national metal abrasive laboratory.

We have close cooperation and technical communication with many famous research institutes and academies, colleges and universities, such as Chinese Academy of Engineering, Central Iron & Steel Research Institute (CISRI), Harbin Engineering University, Shanghai Jiao Tong University, Jinan University, Shanghai Shipbuilding Technology Research Institute, Shandong University of Technology. We have a number of scientific cooperated projects such as "Surface Treatment Application Technology", "High-performance Metal Abrasives" and "Green Coating Application Technology", Etc. We also have deeper cooperation with them in specialized training of technical personnel. We now possess dozens of invention patents and utility model patents and have led the development of three international standards and seven national standards.

We have been committed to the R&D of new products and application technology of metal abrasives in different fields. Provide the most suitable abrasives and application technologies for different fields and surface treatment requirements, and custom-made application solutions for users.

质量 / 环境 / 职业健康安全 / 能源管理体系认证

QUALITY / ENVIRONMENT / OCCUPATIONAL HEALTH & SAFETY/MANAGEMENT SYSTEM FOR ENERGY



# PRODUCTION PROCESS / 生产工艺与装备



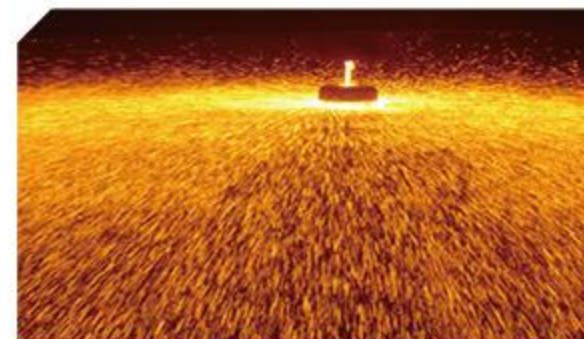
## 冶炼 | Smelting

采用电弧炉进行冶炼，可调节钢水成份，降低有害元素硫、磷的含量。



## 精炼 | Refinery

采用精炼炉进行钢水精炼，提高钢水纯净度，优化合金含量使钢丸获得更优良的材质。



## 造粒 | Forming

高速离心浇铸成形，有效控制成形质量，减少物理缺陷。



## 选形 | Selection

对空心、异形等缺陷颗粒进行有效地分离，提高钢丸密度。



## 淬火 | Quenching

进行二次淬火处理，从而细化晶粒，使产品内部金相组织更加致密，增强冲击韧性。



## 回火 | Tempering

进一步细化内部组织，并达到不同的硬度要求，精密的温度、时间控制，使其组织状态及硬度的均匀性达到最佳。



## 破碎 | Crushing

独特的破碎工艺，使钢砂颗粒具有更好的饱满度和棱角度，并最大限度的降低钢砂颗粒内部的裂纹。



## 精筛 | Screening

精密的粒度控制，使产品符合美国 SAE-J444 标准。



## 包装 | Packing

自动包装线保证产品包装质量和重量的稳定。

# QUALITY CONTROL / 质量控制



## 化学成份 | Chemical composition

化学成份是钢丸、钢砂最基础的质量指标，决定着钢丸、钢砂最终的显微组织及热处理的效果。德国 OBLF 直读式光谱仪能快速检测钢水材质，做到炉前调整，获得优质的钢水提供了检测保障。



## 硬度 | Hardness

适中的硬度是钢丸（砂）工作过程中产生理想作用力的关键，对工作效率及磨料的消耗具有很大的影响。



## 显微组织 | Microstructure

钢丸（砂）的显微组织状态决定了其抗疲劳性能的高低，良好的显微组织能使其具有更高的耐冲击性能，从而具备更长的使用寿命。



## 粒度分布 | Size distribution

每个型号的钢丸（砂）都是一个大小颗粒的混合物，单位重量的钢丸（砂）所包含的颗粒数量决定了此粒度钢丸（砂）的动能，适当的粒度能产生适中的动能和最佳的覆盖率，是达到理想处理效果的关键。



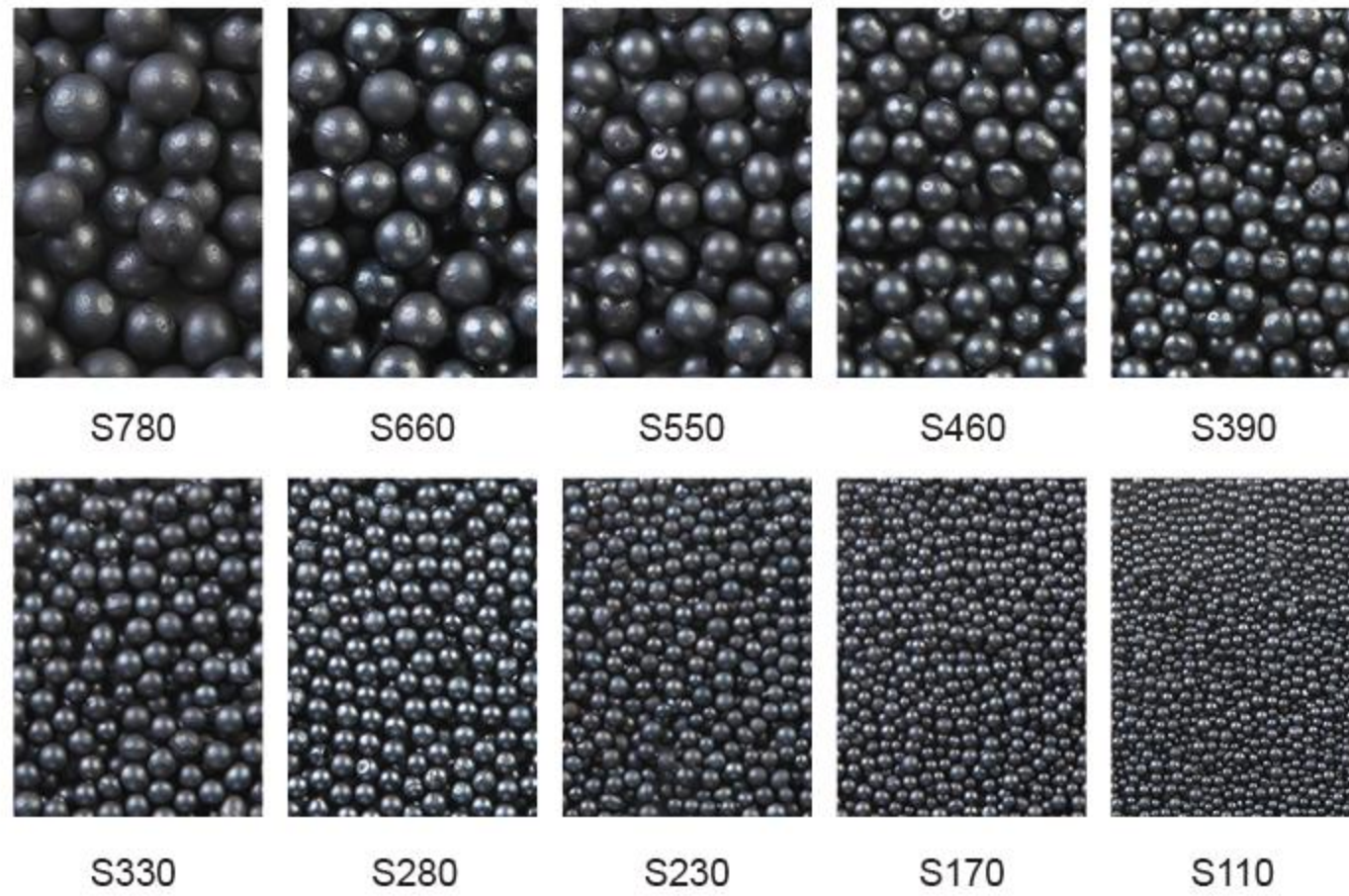
## 疲劳寿命 | Fatigue life

美国 Ervin 寿命实验机用于检测钢丸（砂）的疲劳寿命值及动能大小，是钢丸（砂）质量高低的最终体现。



严密的检测流程，过程控制、预防为主的质量控制理念。  
Rigorous testing process, process control, and prevention quality control concept

### 钢丸 / Steel shot



### 钢砂 / Steel grit



### 钢丸、钢砂技术指标 / Steel shot and grit specification

项目 Item	名称 Name	钢丸 Steel Shot	GP 钢砂 GP Steel Grit	GL 钢砂 GL Steel Grit	GH 钢砂 GH Steel Grit
化学成分 Chemical Composition	碳 C	0.85-1.20%			
	硅 Si	0.40-1.20%			
	锰 Mn	0.60-1.20 (S170:0.50-1.20 S110,S70:0.35-1.20) %			
	硫 S	≤ 0.05%			
	磷 P	≤ 0.05%			
硬度 Hardness		HRC40-50	HRC46-50	HRC56-60	HRC63-65
金相组织 Microstructure		均一的回火马氏体或屈氏体 Homogeneous tempered Martensite or troostite			
密度 Density		≥ 7.20g/cm <sup>3</sup>	≥ 7.40g/cm <sup>3</sup>		
外观 External form		圆球形 空心颗粒 < 10%	多角形 球状、半球状、扁平状颗粒 < 10%		

### 钢丸、钢砂粒度分布表 / Steel shot and grit size distribution

SAE J444 钢丸 Steel Shot													SAE J444 钢砂 Steel Grit												
S780	S760	S660	S550	S460	S390	S330	S280	S230	S170	S110	S70	筛网号 Screen No.	英寸 In	筛网号 Screen Size	G10	G12	G14	G16	G18	G25	G40	G50	G80	G120	
All Pass												6	0.132	3.35											
	All Pass											7	0.111	2.80	All Pass										
≥ 90%		All Pass										8	0.0937	2.36	All Pass										
≥ 97%	≥ 85%	All Pass	All Pass									10	0.0787	2.00	≥ 80%		All Pass								
	≥ 97%	≥ 85%	≤ 5%	All Pass								12	0.0661	1.70	≥ 90%	≥ 80%	All Pass								
		≥ 97%	≥ 85%	≤ 5%	All Pass							14	0.0555	1.40	≥ 90%	≥ 80%	All Pass								
			≥ 97%	≥ 85%	≤ 5%	All Pass						16	0.0479	1.18		≥ 90%	≥ 75%	All Pass							
				≥ 90%	≥ 85%	≤ 5%	All Pass					18	0.0394	1.00		≥ 85%	≥ 75%	All Pass							
					≥ 90%	≥ 85%	≤ 10%	All Pass				20	0.0331	0.850											
						≥ 90%	≥ 85%	≤ 10%				25	0.0280	0.710				≥ 85%	≥ 75%					All Pass	
							≥ 90%	≥ 85%	All Pass			30	0.0232	0.600											
								≥ 97%	≤ 10%			35	0.0197	0.500											
									≥ 85%	All Pass		40	0.0165	0.425					≥ 85%	≥ 75%				All Pass	
										≥ 97%	≤ 10%	45	0.0138	0.355											
											≥ 80%	50	0.0117	0.300							≥ 80%	≥ 65%			All Pass
											≥ 90%	≥ 80%	80	0.007	0.180							≥ 75%	≥ 65%		
											≥ 90%	120	0.0049	0.125									≥ 75%	≥ 65%	
												200	0.0029	0.075											≥ 75%

PRODUCTS INTRODUCTION / 产品介绍

3M 低贝钢丸 / 3M LCB Steel Shot  
3M 钢砂 / 3M Steel Grit  
3M 混合磨料 / 3M Mixed Abrasive

产品介绍

3M 系列是我司继高性价比专利产品低贝钢丸之后的又一重大研发成果，是多项专利技术和专有技术完美结合，它具备了比低贝钢丸更高的性价比，可应用于所有的抛丸、喷丸领域，经过行业用户使用验证，具有高寿命、高效率等特点，可大幅降低抛丸（喷砂）成本，是降本增效理想的抛丸介质选择。

Products introduction:

3M LCB Steel Shot is another major R & D achievement of our company after the cost-effective product LCB steel shot. It is a perfect combination of patented technologies and proprietary technologies. With its more cost-effective than low carbon steel shot, the product can be applied to all shot blasting and shot peening fields. Approved by industrial users, it has the characteristics of long life and high efficiency, and can significantly reduce the cost of shot blasting/peening which is the ideal choice of shot blasting media to reduce cost and increase efficiency.



产品主要参数对比 / Comparison of the main index				
类别 Category		项目 Item	3M 低贝钢丸 3M LCB Steel Shot	高碳铸钢丸 Cast Steel Shot
硬度 Hardness	HRC		40-50	40-50
密度 Density	g/cm <sup>3</sup>		7.6	7.2
成分 (%) Chemical Composition (%)	C		0.08-0.15	0.85-1.2
	S		≤ 0.02	≤ 0.05
	P		≤ 0.02	≤ 0.05



**低夹杂**  
Micro-impurity

选用更高质量废钢，去除钢水杂质  
Using higher quality scrap to remove impurities in molten steel  
电弧炉 + 精炼炉炼钢，  
S、P 有害元素降至 0.02% 以下  
Smelting with Electric Arc furnace and Refining furnace to reduce the S, P content under 0.02%



**微合金化**  
Micro-alloying

优化合金组合，细化晶粒  
Optimize alloy structure and refine grains  
提高韧性和强度  
To improve toughness and strength

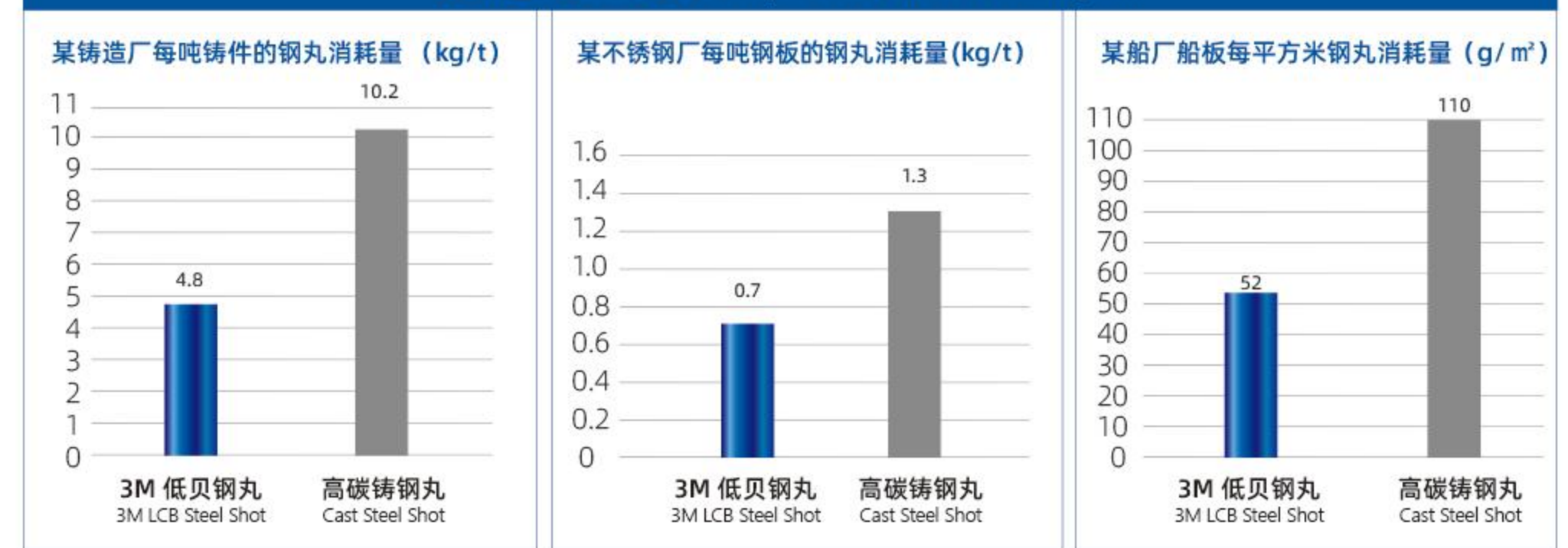


**低温造粒**  
Microthermal Granulation

低温浇注，离心造粒  
Pouring with low temperature. Centrifugal Granulation  
改善钢丸内部组织，  
提高疲劳性能  
To improve the internal structure of steel shot and improve fatigue performance



现场使用消耗量对比 / Comparison of on-site consumption

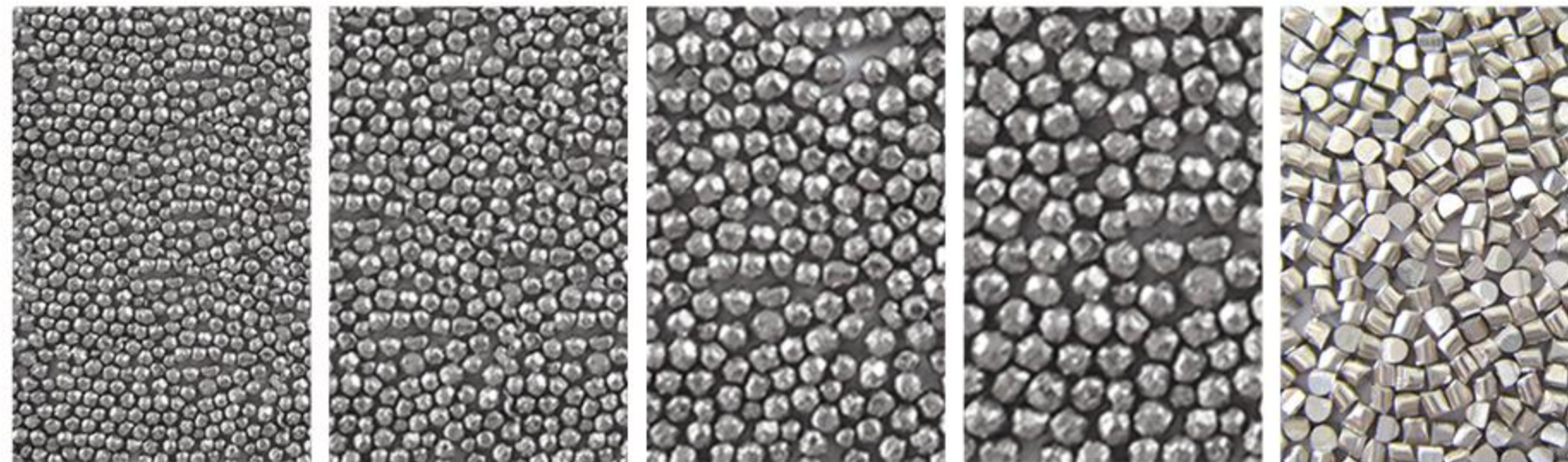


更优质的抛丸效果——工件抛丸效果对比 / Better shot blasting effect—Comparison of shot blasting effect of workpiece



PRODUCTS INTRODUCTION / 产品介绍

不锈钢丸 / Stainless steel shot  
不锈钢丝切丸 / Stainless steel wire cut pill



产品介绍

不锈钢丝研磨丸表面光亮，用于铝合金、锌合金等有色金属及不锈钢制品的表面抛丸清理、强化及起毛处理，处理后的工件表面光洁、无锈，凸显出金属光泽。

Products introduction:

Conditioned stainless steel cut wire shot has a bright surface. It is used for shot blasting, strengthening and fuzzing of non-ferrous metals such as aluminum alloy, zinc alloy and stainless steel products. The treated workpiece with a smooth and rust-free surface that highlights the metallic luster.

技术指标 304、430 / Technical Specification

项目 Item	SUS304 技术指标 Technique index	SUS430 技术指标 Technique index	
化学成分 % Chemical Composition	碳 C	≤ 0.15%	≤ 0.12%
	硅 Si	≤ 1.00%	≤ 1.00%
	锰 Mn	≤ 2.00%	≤ 1.00%
	硫 S	≤ 0.030%	≤ 0.040%
	磷 P	≤ 0.045%	≤ 0.030%
	铬 Cr	18-20	16-18
镍 Ni	8-11		
硬度 Hardness	HRC40-50	HRC25-35	
金相组织 Microstructure	形变奥氏体 austenitic	形变铁素体 austenitic	
外形 External form	圆柱形 cylindrical / 圆球形 spherical	圆柱形 cylindrical / 圆球形 spherical	
密度 Density	≥ 7.80g/cm <sup>3</sup>	≥ 7.80g/cm <sup>3</sup>	

根据客户不同要求，可提供：SUS410、SUS430、SUS302、SUS304、SUS316、SUS201、SUS202 等多种材质。  
According to the different requirements of customers, we can supply :SUS410、SUS430、SUS302、SUS304、SUS316、SUS201、SUS202 etc many different specifications.

强化钢丸 / Peening steel shot



应用特点

- 能在高硬度下保持更高的疲劳寿命，降低弹丸消耗成本；
- 颗粒圆度好，大小均一，使用中不破碎，能获得更高的强化质量；
- 应用在硬度为 HRC40-50 的机械零部件的喷丸强化方面时，性价比最高。

Application features

Maintaining higher fatigue life under high strength, reduce the consumption costs.  
Good grain roundness, uniform size, no broken during using, gaining higher shot peening quality.  
Most cost-effective when used for shot peening of mechanical parts with hardness range of HRC40-50.

在传统的强化钢丝切丸生产工艺基础上，我们在材质和技术工艺上做了大量改进：

- 采用优质合金钢丝作为基材，机械性能更高、更稳定；
- 改进了拉丝工艺，使其内部组织更致密；
- 改进了传统的完全依靠抛打的钝化工艺，减少了抛打过程中丸粒本身受损，提高了使用寿命。

Based on the production process of traditional steel cutwire, we have made substantial improvements on material and technological process:

Utilizing high quality alloy steel wire as the substrate, the mechanical properties are more stable and higher.  
Improving the drawing process which make the internal organization more dense.  
Improving the traditional conditioning process completely relying on impacting to reduce the damage during blasting, enhancing the service life.

技术指标 / Technical index

项目 Item	技术指标 Technique index	
化学成分 Chemical Composition	碳 C	0.45%-0.85%
	硅 Si	0.15%-0.35%
	锰 Mn	0.30%-1.30%
	硫 S	< 0.050%
	磷 P	< 0.040%
	合金元素 alloy elements	适量 appropriate amount
硬度 Hardness	HRC45-50、50-55、55-60、58-63	
密度 Density	≥ 7.6g/cm <sup>3</sup>	
容重 Unit Weight	4.4kg/L	
金相组织 (Microstructure)	形变珠光体 deformation pearlite	



## 不锈钢砂 / Stainless Steel Grit

不锈钢砂是不锈钢材质的棱角形颗粒。可以替代多种矿物砂和非金属磨料，如氧化铝、金刚砂、石英砂、玻璃珠等。不锈钢砂主要用于有色金属、不锈钢制品的表面清理以及去除油漆、氧化皮等，能使表面形成统一形貌的粗糙度，特别适合涂覆前的表面预处理。与非金属类磨料相比，不锈钢砂能带来更低的运行成本，并可大幅降低粉尘排放，降低除尘成本的同时改善了作业环境。

不锈钢砂使用寿命长，喷砂效率高，使用户的喷砂工序变得简单经济；喷砂效果稳定，喷砂后工件表面的粗糙度数值稳定、喷砂外观均匀一致。

Stainless steel sand is an angular grain of stainless steel. Can replace a variety of mineral sand and non-metallic abrasives, such as alumina, emery, quartz sand, glass beads and so on.

Stainless steel sand is mainly used for non-ferrous metals, stainless steel products surface cleaning and removal of paint, oxide scale, etc., can make the surface form a uniform morphology of roughness, especially suitable for surface pretreatment before coating. Compared to non-metallic abrasives, stainless steel sand brings lower operating costs and significantly reduces dust emissions, reducing dust removal costs and improving the operating environment.

Stainless steel sand has long service life and high sandblasting efficiency, making the sandblasting process simple and economical. Sandblasting effect is stable, after sandblasting workpiece surface roughness numerical stability, sandblasting appearance uniform.



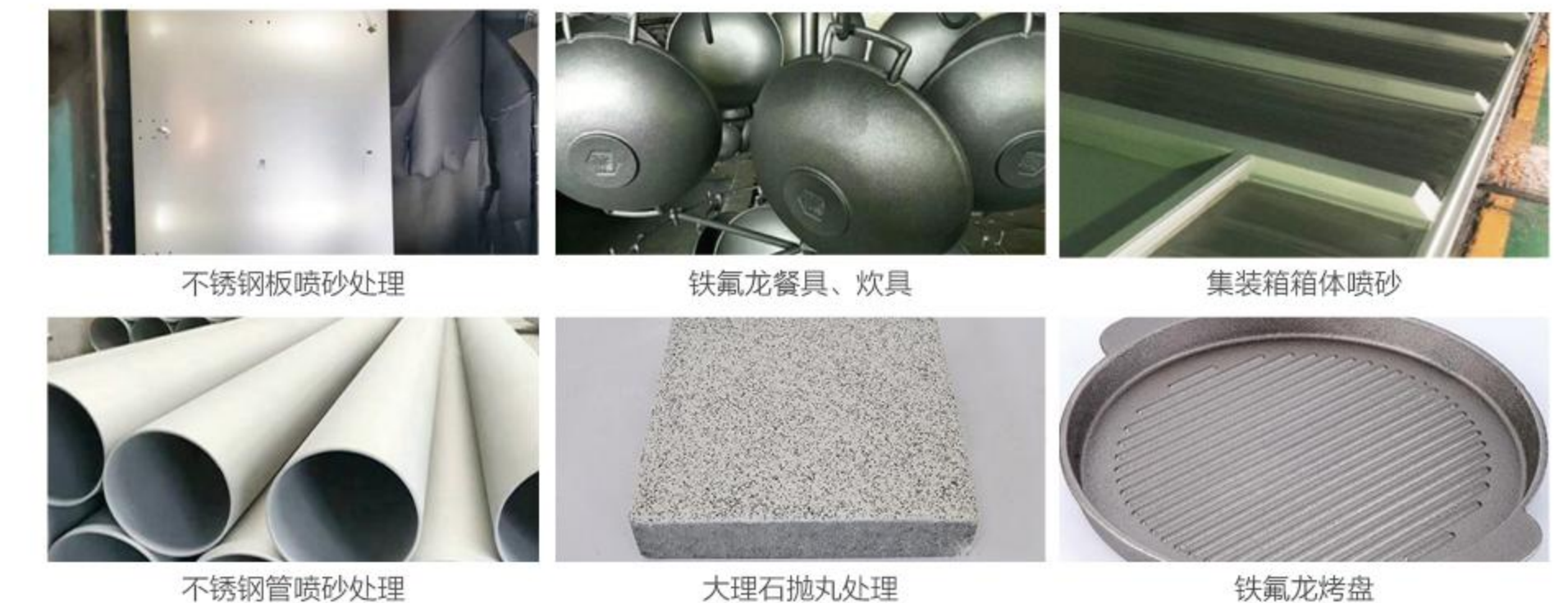
粒度型号 / Size (可根据客户要求, 量身定制。55-60、> 60)

筛网号	14#	16#	18#	20#	25#	30#	35#	40#	45#	50#	80#	120#
英寸	0.0555	0.0469	0.0394	0.0331	0.0280	0.0232	0.0197	0.0165	0.0138	0.0117	0.0070	0.0049
筛网孔径	1.40	1.18	1.00	0.85	0.71	0.60	0.500	0.425	0.355	0.300	0.180	0.125
STG18	All Pass		≥ 75%		≥ 85%							
STG25		All Pass			≥ 70%			≥ 80%				
STG40			All Pass					≥ 70%		≥ 80%		
STG50					All Pass					≥ 65%	≥ 75%	
STG80								All Pass			≥ 60%	≥ 70%

## 喷砂现场清洁环保 / Sand Blast Site Clean Environmental Protection



## 产品应用 / Product Application



## 轴承合金钢砂 / Bearing Alloy Steel Grit

### 用途

本品选用锻造轴承钢冲切边角料，经热处理后破碎，再经热处理筛选而成，此类钢砂为切割花岗石专用钢砂，具有：棱角度好、粒度均匀、耐磨性好等特点，经众多石材厂家多年使用证明，锯切石材速度更快、石材锯切板面更平整。

### Application

Bearing Alloy Steel Grit is made of forged bearing steel off-cuttings by the process of heat treatment, crushing and size screening. It is specially used to cut granite and can help customers to achieve faster-cutting efficiency and smoother cutting surface attributed to its sharp edges, uniform sizes and good wear resistance.



### 物理指标 / Physical Property

名称 Product	轴承合金钢砂 Bearing Alloy Steel Grit		
项目 Item			
形状 Appearance	棱角状 Angular		
硬度 Hardness	> 60 HRC ( > 710HV)	53-60HRC (510-710HV)	40-50HRC (377-540HV)
金相组织 Microstructure	细匀回火马氏体 Fine even tempered martensite	细匀回火马氏体 Fine even tempered martensite	细匀回火屈氏体 Fine even tempered troostite
	碳化物级 < 2 Carbide grade < 2		
密度 Density	≥ 7.50g/cm <sup>3</sup>		

### 化学成分表 / Chemical Composition

化学成分 Chemical Composition	元素	含量
	碳 C	0.80~1.20%
	硅 Si	0.15~1.20%
	锰 Mn	0.20~1.20%
	铬 Cr	0.60~1.60%
	硫 S	≤ 0.05%
	磷 P	≤ 0.05%

## 石榴石磨料 / Garnet Abrasive

### 产品概述

石榴石磨料是一种天然矿石通过深加工而成的应用于喷砂清理领域的非金属磨料，因其良好的性能，在喷砂清理中正得到越来越广泛的应用。

- 化学性能稳定，不含有毒物质，游离硅含量不超过 0.1%，不污染环境，也不会对健康造成危害，是石英砂和其他消耗类磨料的极佳替代品。
- 密度较大，破碎率低，重复使用次数可以达到 3-5 次，还带有一定的棱角，不但清理效率高，而且对环境的危害小是较为经济的室外喷砂清理用消耗性磨料。



### Product Overview

Garnet is non-metallic abrasive that made by deep processing natural ore. It is now more and more widely used in the field of blasting for its good performance.

Stable chemical performance, free from toxic substances, free silicon content less than 0.1%, environmentally friendly and no harm to health make it a good replacement for silica sand and other consumption type abrasives.

High density and low broken rate make it can be repeatedly used for 3-5 times. Besides, the sharp edges assurance high efficiency clean up that make it a economy outdoor sand blasting abrasive.

### 化学元素 / Technical index

项目 Item	技术指标 Technique index
二氧化硅 SiO <sub>2</sub>	34-40%
氧化铁 FeO	25-31%
氧化铝 Al <sub>2</sub> O <sub>3</sub>	15-21%
氧化镁 MgO	5-6%
氧化钙 CaO	5-10%

### 矿石成分 / Technical index

项目 Item	技术指标 Technique index
石榴石	98% 以上
游离硅	< 1%
钛铁矿	< 1%
长石	< 0.5%
其他	< 0.5%

### 物理性能 / Technical index

项目 Item	技术指标 Technique index
莫氏硬度	7.0-8.0
密度 (g/cm <sup>3</sup> )	3.6-4.2g/cm <sup>3</sup>
容重 (kg/m <sup>3</sup> )	2400
电导率	< 250μs/cm (海工项目要求 < 150μs/cm)
氧化物	10-15ppm (25ppm max)
颜色	绿色或红色

PRODUCTS INTRODUCTION / 产品介绍

海绵磨料 / Sponge Media



产品特性

- 1、低尘、环保**——由于海绵体特殊的多孔结构，可以吸附喷砂过程中产生的 95% 以上的散逸性粉尘和杂质。
- 2、安全**——聚氨酯海绵多孔状的结构，使喷打过的磨料不会产生剧烈的飞溅和反弹，提高了施工的安全性，减少眼伤、皮肤擦伤等工伤事故的发生概率。
- 3、高效**——对敏感和限定区域进行高质量表面处理，特别适合于局部喷砂，不会对周边涂层造成二次破坏。
- 4、便携**——产品比重小，便于携带，同时专用设备体积小、便于移动和搬运，操作简便，适合狭小空间和特殊部位的表面处理。

Product characteristics

● Low Dust, Environmentally Friendly

Due to the unique porous structure of the sponge, it can absorb more than 95% of the fugitive dust and contaminants generated during the sandblasting process.

● Improved Safety

The porous sponge media creates no violent splash and rebound, thus improves the safety by reducing eye and skin injuries.

● High Efficiency

Achieving high quality surface treatment for sensitive and limited area, particularly suitable for partial sand blasting, and causing no secondary damage to the surrounding coating.

● Portable

Portable with small density; the equipment is small in size, convenient to move and handling, simple operation process, suitable for treatment of the narrow space and special area.

海绵磨料专用设备 Special equipment for abrasive sponge



TECHNOLOGY AND AFTER-SALES / 技术和售后

表面处理工序总包 / Surface Treatment Process Contracting

对工件表面处理工序承包，帮助用户锁定和控制成本：

Undertaking Service, Undertaking Cleaning Project Of Casting, Help Clients Control Cost:

- 磨料定额结算;
- 磨料 + 易损件定额结算;
- 耗材定额结算 (磨料 + 全部配件);
- 磨料 + 配件 + 设备维保;
- 抛丸工序总包;
- Abrasive quota settlement;
- Abrasive + wearing parts quota settlement;
- Consumables quota settlement (abrasive + all accessories);
- Abrasive + accessories + equipment maintenance;
- Total package of shot blasting process;



为用户提供全方位的技术支持和售后服务

Providing All Round Technical Support And After-Sale Service For Customer

公司拥有专业的技术服务团队，高级应用技术工程师熟悉多种抛丸或喷砂设备的操作和性能，有着多年服务于各领域客户的宝贵经验，为客户解答产品使用中的问题。具体包括：

- 通过售前的咨询和调研，为客户提供全方位的磨料使用方案；
- 对用户提高作业效率、降低成本提出可行性方案；
- 对用户设备的操作、维护提供现场指导；
- 根据用户质量要求，提供最佳的磨料配比；
- 可进行粗糙度、清洁度、盐分值等指标的检测，提出完善改进建议。

Providing All Round Technical Support And After-Sale Service For Customer

Our company has the specialized technical service team, high-grade applied technology engineer is familiar with many kinds of shot blasting and sand-blast equipment operation and the performance, has many years valuable experience in giving service to various industry customers, solve all the problems when product is used in effect. Includes specifically:

Through the pre-sales consultation and investigation, providing the omni-bearing abrasive operational version for the customer;  
Raises the work efficiency to the user, to reduce the cost to propose the feasible plan;  
Provide on-the-spot guidance for customer equipment's operation and maintenance  
Provide the best abrasive allocated proportion according to user quality requirement  
Measure the roughness, cleanness, salinity value index, propose improvement suggestions.



**WE SERVE**  
CLIENTS / 典型服务客户

钢铁行业 Iron and steel industry



船舶海工行业 Marine industry



工程机械行业 Construction machinery industry



汽车零部件 Auto parts



集装箱 Container



航空及高端装备制造制造业 Aviation and high-end equipment manufacturing





**全球领先的表面处理综合服务商**

GLOBAL LEADING SURFACE TREATMENT INTEGRATED SERVICE PROVIDER

**淄博大亚金属科技股份有限公司**  
ZIBO TAAMETAL TECHNOLOGY CO.,LTD.

地址：中国 山东省淄博市周村区萌水镇中心大街 288 号  
电话：(+86) 0533-6888875 6888856  
传真：(+86) 0533-6888897 6888097  
邮编：255318  
网址：Http://www.taa.net.cn

Add: No.288 Center Avenue,Mengshui Zhoucun Zibo Shandong China  
Tel: 86-533-6881683 6881687  
Fax: 86-533-6881107 6888097  
P.C.: 255318  
E-mail: taa-abrasive@taa.net.cn  
Web: Http://www.taa.net.cn