



KAITECH
 山东开泰抛丸机械有限公司
 SHANDONG KAITAI SHOT BLASTING MACHINERY CO., LTD.

国内各分公司

DOMESTIC FILIALE IN CHINA

苏北区15905431083	华南区13561581016
浙江区15905431076	西北区13655433009
华东区15854379666	西南区15954371077
东北区13805431327	华中区13455780866
山西区13655433002	华北区15966351088
福建区13475069666	山东区15169940699

技术支持

TECHNOLOGY SUPPORT

山东大学金属磨料研究室
 METAL ABRASIVE LAB of SHANDONG UNIVERSITY
 电话 Tel: 0531-86657190
 E-mail: liuruwei@sdu.edu.cn

济南大学机械工程学院
 COLLEGE OF MECHANICAL ENGINEERING, UNIVERSITY OF JINAN
 电话 Tel: 18905431989
 E-mail: me_wangsr@ujn.edu.cn sherman0158@163.com

售后服务电话

AFTER-SALES SERVICE
 Tel: 400-6188-486
 邮箱 E-mail: shouhou@kai-tai.com.cn



KAITECH

山东开泰抛丸机械有限公司
 SHANDONG KAITAI SHOT BLASTING MACHINERY CO., LTD.

supply professional metal surface shot blasting (PEENING)
 technology solutions
 提供专业的金属表面抛(喷)丸技术解决方案

企业理念

公司做为金属表面处理技术领域的专业供应商；我们与山东大学合作组建了全国第一家金属磨料实验中心，为您提供最专业的金属磨料配比方案，满足不同行业客户的需求。

与Airblast B.V公司全面合作，凭借行业内专业的技术团队，为您提供最全面的抛丸工艺与设备解决方案；

根据您的抛(喷)丸设备不同性能的需求，我们为您提供最专业的设计研发方案；

根据您的抛(喷)丸表面处理技术的需求，我们为您提供最全面的技术培训方案；

根据您的抛(喷)丸设备应用行业的需求，我们为您提供最完善的技术解决方案；

我们使命：为世界装备制造业的发展进步而做精做强！



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ENTERPRISE PHILOSOPHY

Our company is the professional supplier in the field of metal surface treatment technology. Our company cooperates with Shandong University and set up the National's first metal abrasive test center. In order to provide you with professional metal abrasive ratio program and meet customer's requirement in different industries.

Comprehensive cooperation with Airblast B.V, providing most comprehensive blasting technology and equipment solution by professional technical team in the industry.

We provide the most professional R&D scheme for you according to different performance requirement of shot (peening) equipment.

We provide the most comprehensive training scheme for you according to the requirement of shot (peening) surface treatment technology.

We provide the best technical solution for you according to application industry requirement of shot (peening) equipment.

Our mission: in order to development and progress of world equipment manufacturing industry, we will do better and stronger.

COMPANY INTRODUCTION

Shandong Kaitai Shot Blasting Machinery Co.,Ltd is shot blasting machine and abrasion investment casting enterprise, which combines research, development, production, installation with debugging service. It locates in phoenix economic zone of Zouping County and take 600,000 square meters. Cooperating with Jinan University, the company is indicated in R&D of surface shot blasting, shot peening, strengthening and other equipment, set up first class R&D center and perfect quality control system, and pass through ISO9001 international quality system certification. It is National Standardization Committee SAC/TC186 shot blasting (peening) sub-technology committee, and SAC/TC5/SC6 metal surface dealing before coating and coating technology committee. It takes part in setting up GB/T23576-2009 common technology condition of shot blasting (peening) machine and other 10 national standrads. Main products are shot blasting (peening) equipment, strengthening equipment, environmental dust removal equipment and abrasion investment casting and so on. It provides key equipments to casting at home and abroad, forging heat treatment, steel strucutre, container, machinery, shipyard, air plan, locomotive and other fields.It is honored as Shandong Province High-end equipment manufacturing Industrial Zone in 2012.In 2011, it set up Shandong Province Company Technological Center certified by Shandong province Economy &Information Committee, Shandong province shot blasting(peening) equipment and material project technology research center certified by Shandong province technology department. Meantime, it gets the honor of Shandong Province High and New technology Enterprise, China Patent Star Enterprise and Shandong Province Enterprise Technology Innovation Award.



山东开泰抛丸机械有限公司是集科研、开发、生产、安装、调试服务为一体的抛丸机械及精铸耐磨件产品企业，公司坐落于邹平凤凰经济园区，占地面积60万平方米。

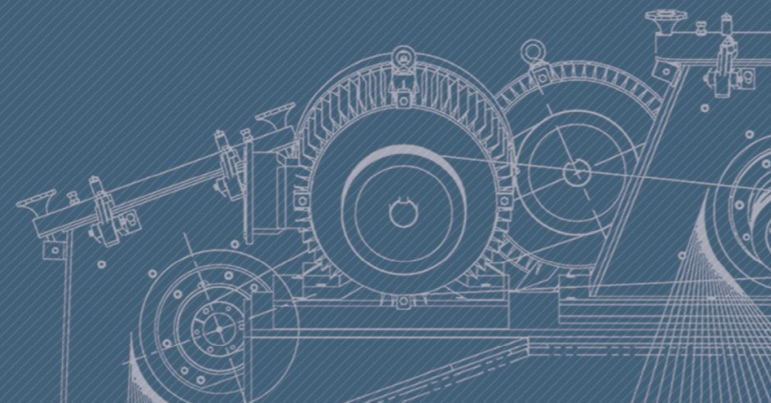
公司与济南大学机械学院共同开发表面抛、喷丸处理设备，建立了一流的技术研发中心和完善的质量管理体系，并已通过ISO9001国际质量体系认证，是全国标准化委员会SAC/TC186抛(喷)丸分技术委员会委员单位、SAC/TC5/SC6涂漆前金属表面处理及涂漆工艺分技术委员会委员单位，参与起草制定GB/T 23576-2009《抛喷丸设备 通用技术条件》等十余项国家标准。公司主要产品有抛(喷)丸清理及强化设备、环保除尘设备及精铸耐磨配件等，为国内外铸造、锻造、热处理、钢结构、集装箱、机械、造船、飞机、机车等行业提供理想的关键设备。在2012年被授予山东省高端装备制造产业园区，2011年经山东省经信委批准建立了“山东省企业技术中心”、经山东省科技厅批准建立了“山东省抛喷丸装备与材料工程技术研究中心”，同时还先后获得了“山东省高新技术企业”、“中国专利明星企业”、“山东省企业技术创新奖”等荣誉称号。

公司简介

KAITECH
山东开泰抛丸机械有限公司
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supply professional metal surface
SHOT BLASTING (PEENING)
technology solutions
提供专业的金属表面抛(喷)丸技术解决方案





TECHNOLOGY RESEARCH AND DEVELOPMENT

Our company cooperates with Jinan university, Shandong university and so on. Offering all kinds of technical support related with surface treatment and engineering and the foreign advanced theory technical support. Our company uses the original two-dimensional software autocad, 3Dsoftware solidworks to design product drawing, and uses the finite element software ANSYS to plan analysis of mechanism, and combined with 3D-max photograph rendering software. It's simulated in advance to the blasting process, which ensure the practical performance of product, and can satisfy the customers's all kinds of appearance requirement. Our company has professional technical research and development team, and can provide professional technical service according to the different kinds of workpieces and the customer's different requirements. And can get through the three dimensional simulation software workpiece surface treatment effect to achieve customer's satisfaction.

公司与山东大学、济南大学等高等院校合作，为公司提供各种与表面处理工程有关的技术支持和国内外先进理论技术支持。公司采用正版二维软件autocad、三维软件solidworks进行产品设计出图，并采用有限元软件ANSYS进行机构分析，还结合3D-max图片渲染软件，对整个抛丸过程进行提前模拟，即保证了产品的实用性能，又可以满足客户对外观的各种需要。

公司有专业的技术研发团队，可针对不同种类工件，根据客户提出的不同要求，提供专业的技术服务，并可以通过三维仿真软件展示工件表面处理效果情况，达到客户满意。

技术研发

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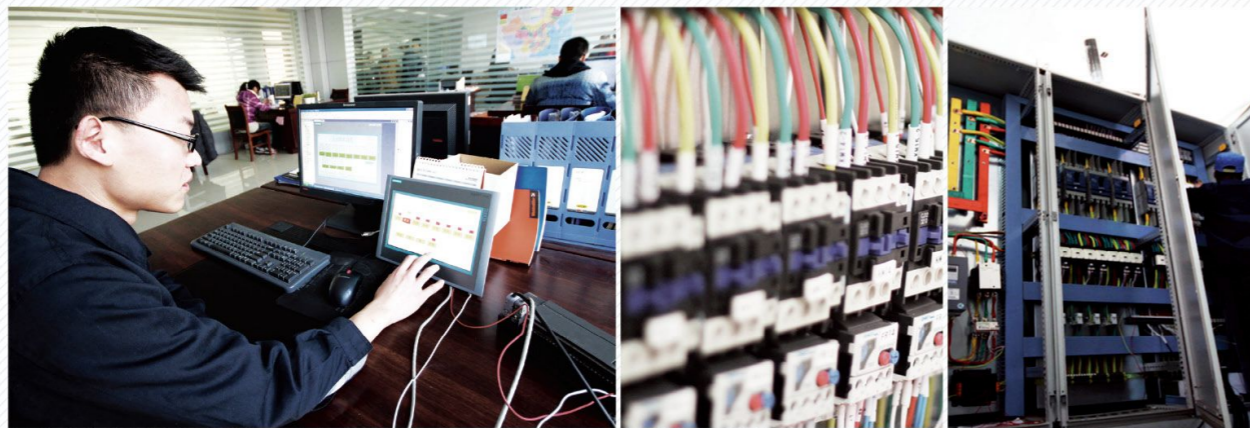


电控精研

电控部门拥有强大的技术力量，60余名员工全部都是大专以上学历，其中有20多名硕士研究生专门负责电气系统的研发设计。设备配套的电气系统具有高效、节能、自动化程度高、人机界面友好等优势。并从电气控制上采取多种保护方法，实现设备的高可靠性和本质安全。我公司开发出国际领先的远程监控和故障诊断系统，对设备进行实时监控和故障检测，能够提前发现和排除故障，保证设备高效运行。

ELECTRONIC LAPPING

Our electronic control department owns strong technical force. More than 60 workers graduated from junior college or above, of whom are in excessive of 20 graduate students, whose job is to be responsible for the research and development of the electrical system. The electrical system which is supporting with the equipment has the advantages of efficiency, energy-saving, high degree automatization and friendly human-machine interface. And from the perspective of electrical control, we have taken a variety of protection ways to achieve the high reliability and essential safety of the equipment. So far, we have developed the remote monitoring and fault diagnosis system, which symbolizes our company has made a further step in this area in the world. And real-time monitoring and fault detection is the function of this system, in order to discover and troubleshooting in advance, ensuring the equipment can operate efficiently.



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PRODUCTION EQUIPMENT

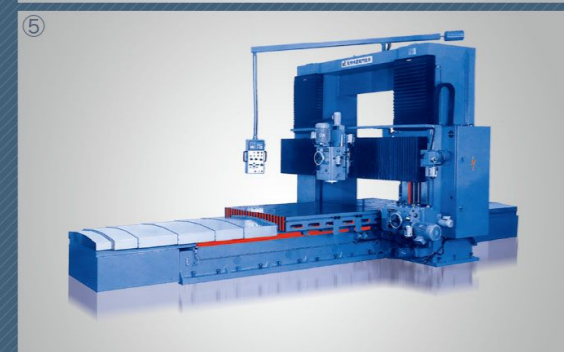
The company has American Technology NC laser cutting machine, Taiwan Technology NC planomilling machining center, Germany technology dynamic balancer, famous brand exactitude grinding machine, vertical lathe, NC bending machine, spare parts precision casting production line, Germany SPECTOR spectrograph and other advanced processing and testing equipment to ensure machining accuracy and quality.

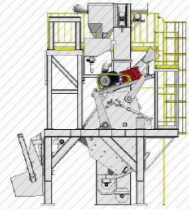
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- ① 卧式加工中心
Horizontal Machining Center
- ② 龙门数控加工中心
Prplanomilling CNC Machining Center/precision Milling Planer
- ③ 磨床
Grinding Machine
- ④ 立式车床
Vertical Lathe
- ⑤ 精密龙门铣床
Exactitude Planomilling Machine
- ⑥ 激光切割机
Laser Cutting Machine

公司拥有美国技术的数控激光切割机、台湾技术的数控龙门加工中心、德国技术的动平衡仪、国内著名品牌精密磨床、立式车床、数控折弯机、耐磨件精密铸造生产线、德国斯派克光谱仪等先进生产、检测设备，保证加工精度与装备质量。

生产装备





产品特点

- 1、高效、均匀的清理效果；
- 2、可处理薄件细小特殊工件；
- 3、上下料简便，柔性高，结构紧凑，维护简单。

产品用途

铸件、锻件、冲压件、铆焊件、热处理件等，易于翻滚且不怕碰撞的中小型工件的残余粘砂、锈层、氧化皮及毛刺等的清理。



QGT15系列倾斜式滚筒抛丸机

QGT15 series drum type shot blasting machine

PRODUCT FEATURES

1. High efficiency, uniform cleaning effect;
2. It could clean thin and small special workpiece;
3. It is easy for loading, unloading material, high flexibility, compact structure, simple maintenance.

PRODUCTION APPLICATION

Casting, forging, stamping parts, welding parts, heat treatment workpiece which are easy to roll and not afraid of the collision of the small and medium-sized workpiece when cleaning the residual adhering sand, rust, oxide skin, burr and so on.

产品参数 Product parameter		数据 Data
项目 Item		
滚筒尺寸: 直径×长度 Drum size: diameter × length		Φ1500×1600mm
最大装载量 The max loading capacity		1200KGS
最大工件重量 The max workpiece weight		40KGS
最大工件(对角线)长度 The max workpiece length		400mm
除尘风量 Dust removing wind volume		5000m ³ /hour
总功率 Total power		57kw



产品规格 Specification: Q326 Q3210 QR3210

产品特点

- 1、用于不同的生产规模，可单机也可多台联用；
- 2、对难以清理的工件能取得满意的效果。

产品用途

该系列适用于各种中、小型铸件、锻件及热处理件的表面清理、除锈以及强化。

Q32系列履带式抛丸清理机

Q32 series tumble belt type shot blasting machine

PRODUCT FEATURES

1. It is suitable for different production scale, it could be stand-alone use and many units can also be used together;
2. It could get good clean effect for complicated and small workpiece.

PRODUCTION APPLICATION

It is suitable for surface cleaning, removing rust and strengthen of various medium, small casting, forging and heat treatment workpiece.

参数 Parameter	单位 Unit	Q326	Q3210	QR3210
生产率 Productivity	T/h	0.6-1.2	1.5-2.5	1.5-2.5
加料量 Loading weight	kg	200	600	600
单件最大重量 The maximum weight of one piece	kg	10	150	30
端盘直径 Diameter of roller	mm	Φ650	Φ1000	Φ1000
有效容积 Available capacity	m ³	0.15	0.3	0.3
抛丸量 Blasting capacity	kg/min	100	250	250
除尘风量 Dedusting air volume	m ³ /h	2200	5000	5000



产品特点

- 1、无地坑;
- 2、结构紧凑;
- 3、生产效率高。

产品用途

此设备适用于多品种、中小批量工件的表面清理。随着吊钩载重量的加大，用来取代台车式清理机清理大件的做法也日益增多。

产品型号 Specification: Q376 Q378 Q3710 Q3720 Q3730 Q3750 Q3780

Q37系列吊钩式抛丸清理机

Q37 series hanger type shot blasting machine

PRODUCT FEATURE

1. No pit;
2. Compact;
3. High productivity.

PRODUCTION APPLICATION

It is suitable for surface cleaning of medium-small casting. Sometimes it also replace trolley type shot blasting machine for cleaning bigger casting along with increasing of loading of hook.

项目 Item	单位 Unit	Q376	Q378	Q3710	Q3720	Q3730	Q3750	Q3780
清理工件直径 Diameter of cleaning workpiece	mm	Φ600	Φ800	Φ800	Φ1400	Φ1600	Φ1800	Φ2000
清理工件高度 Height of cleaning workpiece	mm	1100	1500	1850	2300	2200	2500	3000
单钩吊重 Weight of single hook	kg	600	800	1000	2000	3000	5000	8000
抛丸量 blasting capacity	kg/min	2×120	2×160	2×250	3×250	3×250	4×250	4×250
清理一钩所用时间 The time of cleaning one hook	min	16	14	14	14	14	?	?
提升机提升量 Lifting capacity of elevator	t/h	15	20	30	45	45	60	60
分离器分离量 Separation quantity of separator	t/h	15	20	30	45	45	60	60
通风量 Ventilation volume	m ³ /h	2800	8300	9000	15000	15000	18000	18000
功率(不含除尘) Power(it is not include dust removing)	kw	22	30	36.55	61.27	64.4	78.4	81.5



产品特点

- 1、采用网带结构;
- 2、扁平工件的连续作业;
- 3、实现全自动化作业。

产品用途

网带式抛丸机主要应用于汽车、航天、铁路与机械制造业，尤其适用于薄壁的铸铁或铝合金铸件等小型零件的表面抛丸清理，亦可用于机械零件抛丸强化。



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QWD网带式抛丸清理机

QWD wire mesh belt shot blasting machine

PRODUCT FEATURE

1. Wire mesh belt structure;
2. Continuous operation of flat workpiece;
3. Fully automatic operation.

PRODUCTION APPLICATION

Wire mesh belt shot blasting machine is mainly used for automobile, aerospace railway and other machine manufacturing industry, especially suitable for the surface of the thin-walled iron castings or aluminium castings and other small parts. It can be used for mechanical parts shot blasting strengthen.

产品参数 Product parameter	
项目 Item	数据 Data
网带宽度 Wire mesh belt width	1250mm
最大装载量 The Max Loading Capacity	1200KGS
最大工件重量 The max workpiece weight	100KGS
最大工件断面尺寸 Maximum workpiece cross section size	1000×500mm
除尘风量 Dust removing wind volume	15000m ³ /hour
总功率 Total power	97.5kw

产品特点

- 1、具有工件静态装卸、自动快速输送、可实现工件连续通过抛丸清理(Q38系列)与多工位定点工件旋转抛丸清理(Q48系列);
- 2、具有生产效率高、费用低等优点;
- 3、结构紧凑,易于操作;
- 4、产品型号广,可适用于不同的生产效率要求和工件尺寸;
- 5、模块化设计可整合到已有的生产线上,实现机械自动化生产。

产品用途

主要用于批量生产的中小型铸件、锻件等的抛丸清理及强化。



Q38、Q48系列悬链式抛丸清理机

Q38、Q48 series catenary type shot blasting machine

PRODUCT FEATURE

1. Static loading and unloading workpiece, automatic rapid transport, it could realize that workpiece continuous pass-through shot blasting. (Q38 series) and multi station point workpiece rotation shot blast (Q48 series);
2. High production efficiency, low cost;
3. Compact structure, easy to operate;
4. The product model is widely. It could be used in different production efficiency requirement and workpiece size;
5. Modularization design can be integrated into existing production line. It will realise machinery automatical production.

PRODUCTION APPLICATION

It mainly used for shot blasting and strengthen of mass production medium-small size casting, forging.

参数 Parameter	单位 Unit	Q383/Q483	Q385/Q485	Q4810
清理工件尺寸 Cleaning workpiece size	mm	Φ800×1200	Φ1000×1500	Φ1000×2500
工位数 Station No.	/	/3	/3	/3
抛丸器数量台 Blasting wheel quantity	kg	6	6	6
抛丸量 Blasting capacity	kg/min	6×250	6×250	6×250
抛丸器功率 Blasting wheel power	kw	6×15	6×15	6×15
吊钩最大载重量 The max loading weight of hanger	kg	300	500	1000
生产率钩 Productivity of hook	h	30-60	30-60	40-60
清理室尺寸 Cleaning room size	mm	7680×2000×2900	7680×2000×2900	7680×2000×3800
总通风量 Total ventilation volume	m ³ /h	17000	19000	19000
总功率 Total power	kw	73.15	73.15	114.72



产品特点

- 1、既可以连续方式运行,也可以成批或间歇运行,组织生产灵活,生产率高;
- 2、铸件以低速通过抛丸区,或在抛丸区多工位定点旋转,清理效果好;
- 3、可以静态装卸料,操作方便。

产品用途

主要用于少品种、大批量生产和多品种、中小批量生产场合中小件的抛丸落砂和表面清理,适应性强,应用较广泛。

Q58系列积放悬链式抛丸清理机

Q58 series piled and released type shot blasting machine

PRODUCT FEATURE

1. It could be continuous running, it also could be batch or intermittent running. It is flexible production and high productivity;
2. Casting could pass-through shot blasting zone at lower speed or it will carry out multi position rotation in shot blasting area. It has good cleaning effect;
3. It could be static loading and unloading material and it is easy for operation.

PRODUCTION APPLICATION

It mainly used for removing sand and surface cleaning of less variety, mass production and multi variety, middle-small batch production casting. It is widely used.

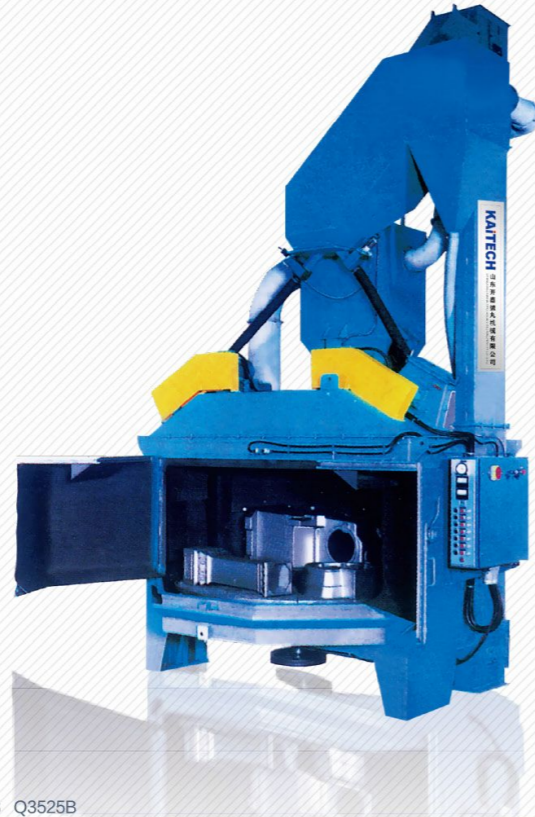
参数 Parameter	单位 Unit	Q583	Q585	Q5810	Q588
清理工件尺寸 Cleaning workpiece size	mm	Φ800×1500	Φ800×1200	Φ1300×2800	Φ550×2200
工位数 Station No.	台 set	2	4	6	4
抛丸器数量台 Blasting wheel quantity	kg	4	6	6	4
抛丸量 Blasting capacity	kg/min	4×250	6×360	6×330	4×480
抛丸器功率 Blasting wheel power	kw	4×15	6×22	6×22	4×22
吊钩最大载重量 The max capacity weight of hanger	kg	300	500	1000	800
生产率钩 Productivity of hook	h	40	55	50	30
清理室尺寸 Cleaning room size	mm	3062×1800×2800	8500×1800×3885	8500×2300×4800	6800×2600×3325
总通风量 Total ventilation volume	m ³ /h	15000	18000	18000	17200
总功率 Total power	kw	74.5	186.85	186.85	121.05

产品特点

- 1、具有生产效率高，密封效果好，结构紧凑，装卸件方便技术含量高等特点；
- 2、抛丸器的布置可实现对零件进行多点喷射，而不是单点喷射。这样任意形状尺寸的零件都能得到有效处理，最大程度地减少了零件重定位。

产品用途

本机适用于小批生产厂家清理薄壁，扁、平及怕碰撞的零件和热处理件的表面，亦可对零件的表面作强化处理。
转台式抛丸机适合中小型工件的表面清理的批量生产，这种规格的设备适合于发动机连杆，齿轮，膜片弹簧等，广泛应用于铸造和汽车制造业。



产品型号 Specification: Q3512 Q3518 Q3525B

Q3512/Q3525系列转台式清理机

Q3512/Q3525 series turntable type shot blasting machine

PRODUCT FEATURE

1. High production efficiency, good sealing effect, compact structure, convenient loading and unloading workpiece and high technology and so on;
2. The layout of blasting wheel could realize multi point blasting of parts, it is not single point blasting. Any shape and size parts could be effectively cleaning.

PRODUCTION APPLICATION

It is suitable for cleaning thin, flat and afraid collision part and heat treatment workpiece surface. It also could be surface strengthening treatment of workpiece.
Turntable type shot blasting machine is suitable for medium-small type workpiece surface cleaning. It is used for cleaning engine connecting rod, gear, spring and so on. It is widely used for foundry and automobile manufacturing industries.

参数 Parameter	单位 Unit	Q3512	Q3518	Q3525B
转台直径 Turntable diameter	mm	Φ1200	Φ1800	Φ2500
最大载重量 The max loading weight	kg	500	800	100
清理工件尺寸 Cleaning workpiece size	mm	3-5	800	150

产品特点

- 1、装载量大，抛丸覆盖率高；
- 2、抛射量大，清理效率高；
- 3、抛喷结合，可补喷抛打盲区，清理彻底；
- 4、经济可行的大型和重型铸、锻件表面清理。

产品用途

设备适用于船用发动机、能源和发电组件、风塔、水泵、汽轮机、机床、电机、化工机械、建筑机械等行业中大型、重型和较复杂的铸、锻件的表面清理。



产品型号 Specificatio: Q365C Q3610 Q3620 Q765C Q7610 Q7620 Q7630

Q36/Q76系列台车式抛丸清理机

Q36/Q76 series trolley type shot blasting machine

PRODUCT FEATURE

1. Large loading and high coverage rate of shot blasting;
2. Large blasting and high cleaning efficiency;
3. Shot blasting combine with shot peening, it could spray blasting blind zone, cleaning is complete;
4. Large and heavy casting, forging surface cleaning.

PRODUCTION APPLICATION

The equipment is suitable for marine engines, energy, power generation components, wind towers, pumps, turbines, machine tools, electrical machinery, chemical machinery, construction machinery and other industries in large, heavy and complex casting, forging, weldment surface cleaning.

参数 Parameter	单位 Unit	Q365C	Q3610	Q3620	Q765C	Q7610	Q7620	Q7630
清理工件外形尺寸 Appearance size of cleaning workpiece	mm	2500×1300	2500×1500 ×280	4000×3000 ×700	2500×1300	2500×1500 ×280	4000×3000 ×700	4000×2000
工件最大重量 Max weight of cleaning workpiece	kg	5000	10000	20000	5000	10000	20000	30000
抛丸量 Blasting capacity	kg/min	2×260	4×250	4×250	2×260	4×250	4×250	4×250
提升机提升量 Lifting capacity of elevator	t/h	40	60	75	40	60	75	60
分离器分离量 Separation quantity of separator	t/h	40	60	75	40	60	75	60
通风量 Ventilation volume	m ³ /h	13200	240000	21000	13200	240000	21000	21500
功率(不含除尘) Power(it is not include dust removing)	kw	39.2	188.45	185.25	39.2	188.45	185.25	83.2
外形尺寸(长×宽×高) Appearance size (length×width×height)	mm	9000×4200 ×9290	14900×500 ×8700	16900×6450 ×10020	9000×4200 ×9290	14900×500 ×8700	16900×6450 ×10020	9168×7680 ×10874

产品特点

- 1、第四代悬臂离心高效抛丸器；
- 2、抛射带采用计算机辅助设计，上、下弹丸动能分布均匀；
- 3、采用光电检测，具有测宽、测高、测位移编程自动控制的功能。

产品用途

适用于船舶、汽车、机车车辆、桥梁、机械等行业的钢板、型材及结构件的表面除锈、涂漆工艺。



产品型号 Specification: Q698 Q6912 Q6915 Q6920

Q69系列钢板型材抛丸清理机

Q69 series steel plate shot blasting machine

参数 Parameter	单位 Unit	Q698	Q6912	Q6915	Q6920
有效清理宽度 The effective cleaning width	mm	800	1200	1500	2000
室体进料口尺寸 The room feed-in size	mm	1000×400	1400×400	1700×400	2200×400
清理工件长度 The length of cleaning workpiece	mm	1200-12000	1200-1600	1200-12000	1200-12000
辊道输送速度(无极调速) The speed of wheel conveyer(stepless speed variation)	m/min	0.5-4	0.5-4	0.5-4	0.5-4
清理钢板厚度 The thickness of cleaning steel sheet	mm	3-60	3-60	1.5-60	3-60
处理型材规格 steel profile specification	mm	800×300	1000×300	1500×300	2000×300
抛丸量 The quantity of shot blasting	kg/min	4×180	4×250	4×250	6×250
首次装入量 The first enclosed quantity	kg	4000	4000	4000	4500

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PRODUCT FEATURE

1. It adopt the fourth generation high-efficiency cantilever centrifugal blasting wheel;
2. Blasting zone adopts computer aided design, and the shots are well-distributed;
3. It adopts photoelectric detection. It has the following functions: measuring width, measuring height, measuring displacement automatic control.

PRODUCTION APPLICATION

It applies to shipping, car, motorcycle, bridge, machine etc which is in thze line of steel board, section and structure casting to wipe of surface rusting and painting arts.





产品型号 Specificatio: QH698 QH6912 QH6915 QH6918

产品特点

- 1、此设备用于清理强化金属表面，可以对不同种类钢材除去氧化皮及铁锈；
- 2、此设备应用广泛，自动化程度高，工件自进自出，符合流水线生产要求。

产品用途

主要适用于船舶、汽车、机车车辆、桥梁、机械等行业，用于大型工字型钢、H型钢等尺寸较高的钢结构件消除应力及表面除锈清理。

QH69系列H型钢专用抛丸清理机

QH69 series H beam special shot blasting machine

PRODUCT FEATURE

1. It is used for cleaning metal surface, it also could removing oxide skin and rust of different kind of steel profiles;
2. The equipment is widely used, high degree automation, the self feeding from workpiece, it is meet the requiment of production line.

PRODUCTION APPLICATION

It applies to shipping, car, motorcycle, bridge, machine industriesetc. It mainly used for eliminating the stress and surface removing rust of large steel structure, H beam and so on.

	单位 Unit	QH698	QH6912	QH6915	QH6918
有效清理宽度 The effective cleaning width	mm	800	1200	1500	1800
室体进料口尺寸 The room feed-in size	mm	1000 × 1500	1400 × 1700	1700 × 1700	2000 × 1800
清理工件长度 The length of cleaning workpiece	mm	1200-12000	1200-13000	1500-13000	2000-13000
清理工具尺寸 the size of cleaning workpiece	mm	800 × 1200	1200 × 1500	1500 × 1500	1800 × 1600
辊道输送速度(无级调速) The speed of wheel conveyor (stepless speed variation)	m/min	0.5-4	0.5-4	0.5-4	0.5-4
抛丸量 The quantity of shot blasting	kg/min	8 × 125	8 × 180	8 × 180	8 × 250
首次装入量 The first enclosed quantity	kg	4000	5000	5000	6000
通风量 Ventilation volume	m ³ /h	20000	220000	25000	25000
总功率(不含除尘) Total power(it is not include dust removing)	kw	90	130	180	180

QG系列钢管外壁高效抛丸清理机，实现了对直径Φ16~Φ2800mm钢管外壁的抛丸清理，凭借强大的清理功能可清除钢管表面的附着物，使钢管表面呈现金属本色，达到有效的清理目的。

QG series steel pipe outer wall cleaning shot blasting machine with high efficiency achieves shot blasting for large diameter (Φ16~Φ2800mm) steel pipe out wall cleaning, with a powerful cleaning function to clear the fixture on the steel pipe surface, the steel pipe surface will show metallic character, achieve an effective clean-up purposes.



QGW系列钢管外壁专用抛丸清理机

QGW series steel pipe outer wall special shot blasting machine

- ★直径Φ16~Φ600mm范围内的钢管，采用与钢管中心线成一定角度的“V”型辊输送，从而实现钢管边前进、边旋转；
- ★直径Φ159~Φ2800mm范围内的钢管，采用托轮传动。托轮间距角度可调，实现了钢管直径范围较大、行走速度与旋转速度可调；抛丸器采用底抛式布置，清理效率高，效果好；
- ★丸料循环净化系统采用了溢流感应式可控满帘幕多级风选分离器 and 专用聚脂线芯提升机传动带，实现了丸料的分选与循环利用；
- ★抛丸室设置了能适应不同管径的多层密封帘，抛丸除尘系统采用脉冲反吹滤筒除尘器，除尘效果好，使用寿命长。

产品用途

该系列适用于自来水、天然气、矿山、油田等钢管防腐的前处理、海底或沙漠煤气等的输送管的抛丸处理等，用于提高其产品零部件的外观质量和表面工艺状态。

- ★Regarding steel pipe with diameter of Φ16~Φ600mm, we adopts V type conveyor which have an angle with steel pipe center line, steel pipe can rotation while going forward.
- ★Regarding steel pipe with diameter of Φ159~Φ2800mm, we adopts roller transmission, angle between roller is adjustable, running speed and rotation speed can be adjustable with large diameter; blasting wheel adopts bottom blasting distribution, cleaning efficiency is high, result is good.
- ★Shots material circulation purification system takes overflow induction controllible full multi-stage curtain winnowing splitter and special polyester core elevator conveyor, achieves shot material sorting and recycling.
- ★Blasting room adopts multi-layer seal curtain which is suitable for different diameters, shot blasting, dust removal system uses impulse reversal blowing filter cartridge dust collector, dust removal is good, life is long.

PRODUCTION APPLICATION

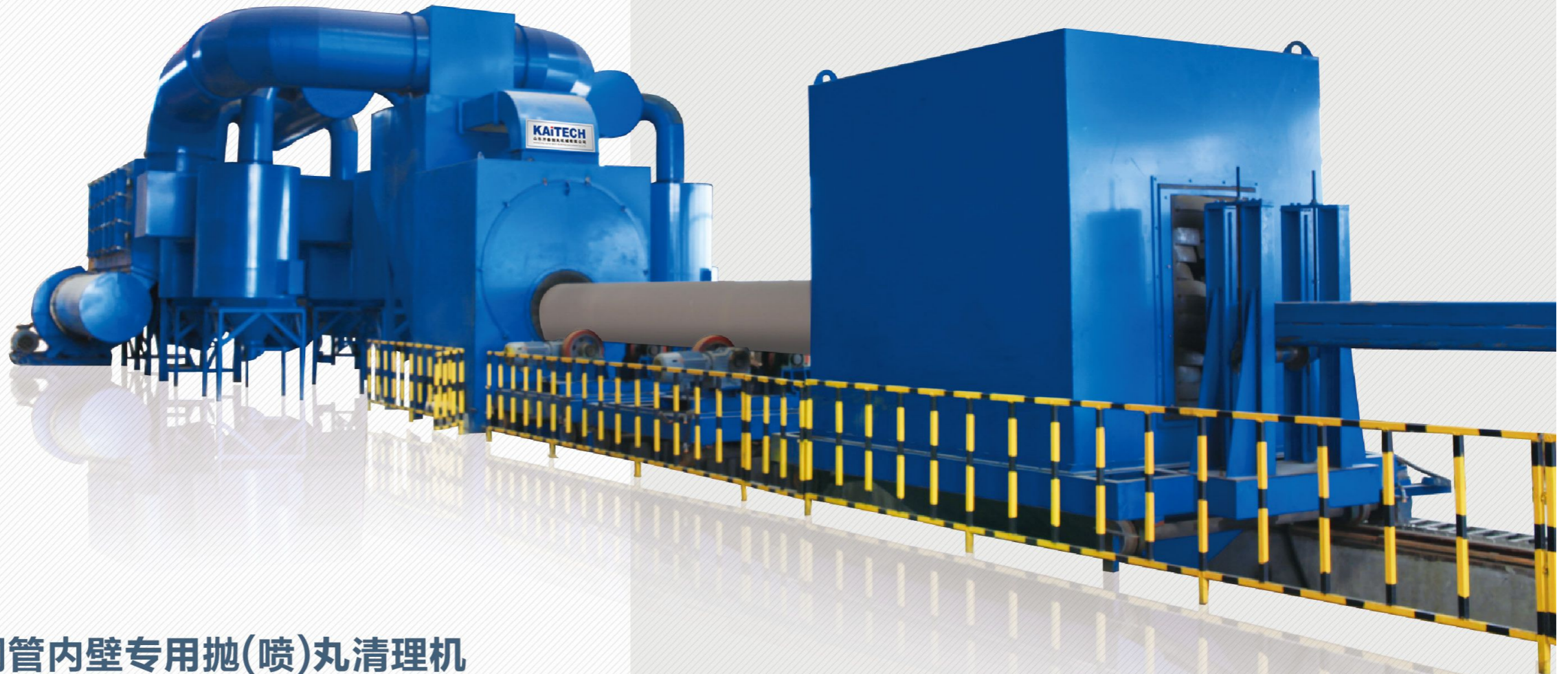
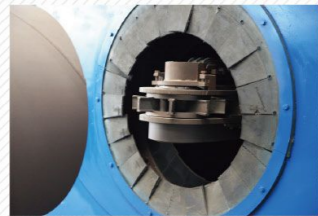
This equipment can be used for water, gas, mining, oil and pipe coating pre-treatment, the seabed or desert gas such as duct blaster, it can improve the appearance quality of the product components and the state of the surface craft.

型号 Model	清理尺寸(mm) Cleaning size	清理速度(m/min) Cleaning speed	用途 Purpose
QGW100	Φ50-300	2-10	外壁抛丸清理机 Outer wall shot blasting machine
QGW720	Φ159-720	2-6	
QGW1200	Φ219-1016	1-6	
QGW1500	Φ325-1600	1-6	
QGW2800	Φ1016-2800	1-2	

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该设备通过将高速运动的弹丸流抛(喷)射到钢管内表面,清理掉钢管内表面的氧化物及其表面附属物,并通过使其表面产生微塑性变形而有效地提高管道的强度和表面抗腐蚀性,消除焊接应力等,从而大大提高管道整体质量和使用寿命。

This equipment will blast tube surface through high-speed movement of shots flow, remove oxide skin and other fixture on inner wall, efficiently improve strength of steel pipe, surface corrosion resistance and film adhesion through making surface micro-plastic deformation, eliminate welding stress, thus greatly improving the quality and service life of pipeline overall.



QGN系列钢管内壁专用抛(喷)丸清理机

QGN series Steel pipe inner wall special shot blasting machine

- ★采用工件回转与横向移动支撑并联机构;
- ★直径小于500mm的钢管,采用喷丸处理;
- ★直径大于500mm的钢管,采用抛丸处理。利用钢管内壁专用抛丸器(液压马达驱动、长臂输丸杆弹丸输送),实现了抛丸器支撑工位自适应,抛打工位自调整等功能;
- ★采用三级除尘模式,具有过滤精度高、在线反吹、清灰效果好等优点;
- ★采用BE型满幕帘式分离器,实现了丸、渣、尘完全分离。

产品用途

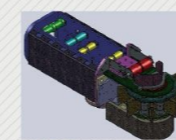
该系列适用于钢管及钢管类产品的内表面处理,去除其表面氧化皮、焊渣等杂物,呈现出金属光泽,增加其表面积,以利于工件表面的喷涂及涂敷,广泛应用于石油化工、钢铁、城市集中供热、供排水等行业。

型号 Model	清理尺寸(mm) Cleaning size	清理速度(m/min) Cleaning speed	用途 Purpose
QGN100	Φ50-300	1-4	内壁抛(喷)丸清理机 Inner wall shot (peening) blasting machine
QGN700	Φ325-720	1-2	
QGN1000	Φ720-1016	1-4	
QGN1500	Φ1016-1500	1-4	

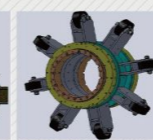
- ★Adopts workpiece rotation and lateral movement supporting parallel mechanism;
- ★Regarding steel pipe with diameter less than 500mm, we adopt shot peening;
- ★Regarding steel pipe with diameter larger than 500mm, we adopt shot blasting. We will use steel pipe inner wall special blasting wheel(with hydraulic motor driven, long shots delivery rod to deliver shots), achieve adaptive position of blasting wheel support and adjustable function of blasting position;
- ★ Three dust removal model, it has advantages of high filtration, reversal blowing on line and good cleaning effect, etc.;
- ★ BE full curtain separator, achieve completely separation of shots, slags and dust.

PRODUCTION APPLICATION

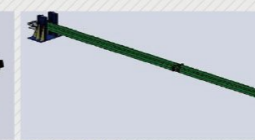
This series is used on inner wall shot blasting machine for steel pipe or relative products, to remove oxide scale, welding slag and other debris on surface, showing a metallic luster, and to increase its area of epidermis, in order to do spray and coating on surface, it is widely used in petrochemical, steel, city central heating, water supply and drainage, and other industries.



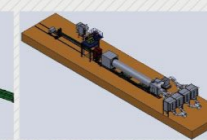
抛丸器
Blasting wheel



回转支撑
Rotary support



送砂机构整体
Sand delivering mechanism



钢管内壁总图
Steel pipe inner wall general drawing



产品型号 Specification: QT20H QT50H QT3740H QT3720H

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产品特点

- 1、适合清理型钢、钢结构、工程机械等大型焊接结构件；
- 2、采用轨道吊钩悬挂工件的工件运输方式；
- 3、生产效率高。

产品用途

主要用于机械制造(包括轻工机械、建筑机械、工程机械、矿山机械等)、压力容器、汽车船舶、建筑、化工、电机、机床等行业的大中型工件的表面清理。

PRODUCT FEATURE

1. It is used for cleaning large welded structure of section steel, steel structure, construction machinery and so on;
2. It adopts transportation model of orbit hook hanging workpiece;
3. High production efficiency.

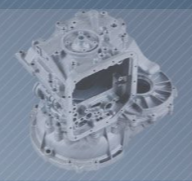
PRODUCTION APPLICATION

It mainly used for surface cleaning of machinery manufacturing (including light industrial machinery, construction machinery, engineering machinery, mining machinery and so on), pressure vessels, automobile and shipbuilding, construction, chemical, electrical, machine tool industry.

QT37系列工程机械专用抛丸清理机

QT37 series engineering machinery special shot blasting machine

参数 Parameter	单位 Unit	QT20H	QT50H	QT3740H	QT3720H
清理工件外形尺寸 Appearance size of cleaning workpiece	mm	5880 × 3185 × 957	4000 × 3270 × 1320	Φ2500 × 4650	Φ2000 × 3200
功率 Power	kw	8 × 18.5	8 × 18.5	8 × 15	12 × 11
抛丸量 Blasting capacity	kg/min	8 × 280	8 × 280	8 × 250	12 × 200
总功率(不含除尘) Total power (it is not include dust removing)	kw	187.4	187.4	148.3	168.3
总通风量 Total ventilation volume	m ³ /h	30000	30000	19000	38000
外形尺寸(长×宽×高) Appearance size (length*width*height)	mm	18000 × 8150 × 11300	21000 × 7000 × 11509	14000 × 6200 × 7500 (地下1650)	19000 × 72000 × 7080(地下2150)



产品特点

- 1、装卸料PLC自动控制，柔性高；
- 2、连续、不间断高速生产；
- 3、可同时抓取两个工件，生产效率高；
- 4、铸件特定部位重点清理；
- 5、结构紧凑。

产品用途

可用于清理发动机缸体、缸盖、大型曲轴、变速器壳体的表面复杂、内部多孔的铸件等



QJ系列机械手式抛丸清理机

QJ series mechanical hand type shot blasting machine

PRODUCT FEATURE

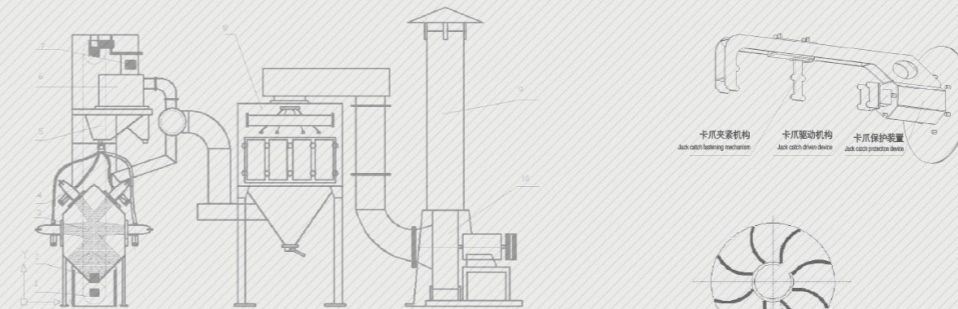
1. Feeding-discharging is PLC automatic control, high flexibility;
2. Continuously without interval produce;
3. It can grab 2 workpiece at the same time, high productivity;
4. Focus on special parts of casting to do cleaning;
5. Structure is tight.

PRODUCTION APPLICATION

It main used for cleaning engine cylinder, cylinder cover, heavy crankshaft, transmission housing and so on. These workpiec are surface complicated, inside the porous casting and so on.

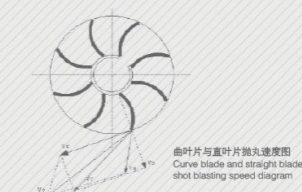
产品参数	
项目	数据
Item	Data
最大工件尺寸: 长×宽×高 Max workpiece size: length×width×height	800×400×300
最大工件重量 Max workpiece weight	180KGS
生产率 Productivity	60循环/时 60CIRCLE/hour
总抛丸量 Total blasting capacity	1400KGS/MIN
除尘风量 Dust removing wind volume	13500m ³ /hour
总功率 Total power	115kw

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1. 斗式提升机 Bucket elevator
2. 螺旋输送机 Screw conveyor
3. 抛丸清理室 Shot blasting chamber
4. 抛丸器 Blasting wheel
5. 储丸室和分丸系统
Shot storage room and shots distributing system
6. 分离器 Separator
7. 滚筒筛 Rotary drum sieve
8. 除尘系统 Dust removal system
9. 排尘窗 Dust discharging chimney
10. 风机 Blower

卡爪支撑机构
卡爪驱动机构
卡爪保护装置



弯叶片与直叶片抛丸速度图
Curve blade and straight blade
shot blasting speed diagram



产品特点

- 1、喷砂房适用于清理结构复杂，体积庞大，种类多的工件，并且还可以着重对工件的某部位进行清理，如海上石油管道焊接架等；
- 2、成本低、投资少；
- 3、结构简单，制作周期短；
- 4、运行成本低。

产品用途

主要用于船舶、桥梁、化工、集装箱、水利、机械、管道等大型设备及零部件表面喷砂、除锈、去污处理。



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喷砂房

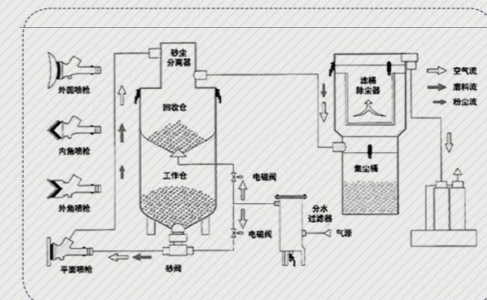
Sand blasting room

PRODUCT FEATURE

1. Sand blasting room is suitable to cleaning workpiece which has complex structure, large volume and lots kinds, it can focus on one position, such as oil pipe welding sketch on the sea;
2. Low cost, low investment;
3. Structure is simple, manufacturing time is short;
4. Operating cost is low.

PRODUCTION APPLICATION

It main used for surface sand blasting, removing rust and decontamination of shipyard, bridge, chemical industry, container, water conservancy, machinery, pipeline equipment and spare parts.

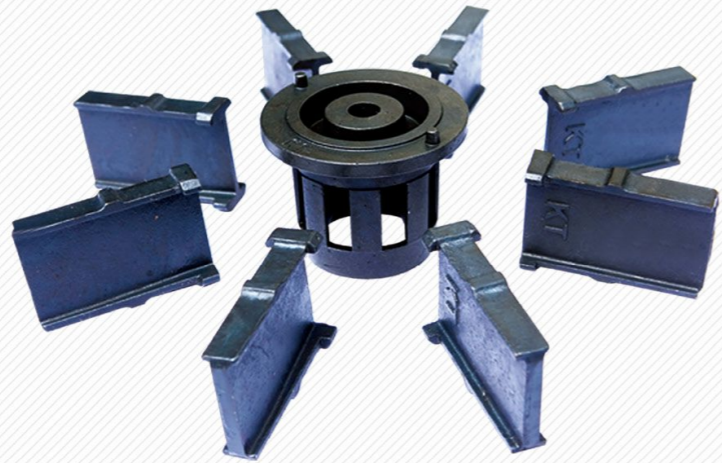


产品特点

- 1、先进、科学的航空航天增模精密铸造工艺与技术；
- 2、高效率的全自动单工位干燥生产线；
- 3、特种高铬耐磨铸铁抛丸器配件，弥补了国内同行业空白。

产品用途

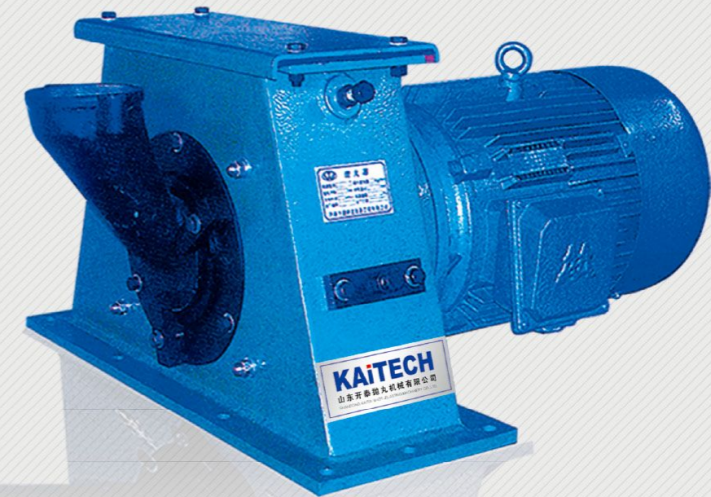
适用于机械、矿山、建材、工程机械等领域，并可以根据客户的具体使用工况，量身定做，满足客户的特殊要求。



产品特点

- 明显提高抛丸速度；
- 优良抗摩擦磨损能力；
- 大大减少能量消耗；
- 超长使用寿命；
- 合适的结构形式；
- 高的清理质量；
- 低的弹丸消耗；
- 低的部件磨损；

Improving shot blasting speed
Good wear resistance
Greatly reducing energy consumption
Extraordinary service life
Suitable structural form
High cleaning quality
Low consumption of steel shot
Low abrasion of parts



耐磨件精铸工艺与技术

Technics and technology of abrasion investment casting

PRODUCT FEATURE

1. Advanced investment casting Process and technology;
2. High efficiency and automatic single station drying production line;
3. The special high chromium abrasion casting iron shot blasting machine spare parts, making up gaps in the domestic industry.

PRODUCTION APPLICATION

It is used for machinery, mining, construction machinery, engineering machinery fields, we also could produce casting according to customer's drawing and samples.



抛丸器

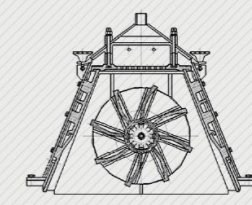
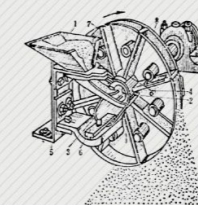
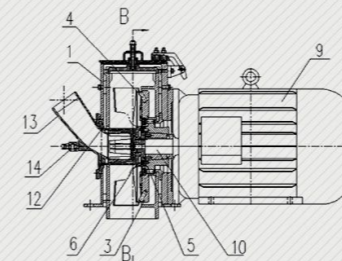
Blasting wheel

产品介绍

高效抛丸器主要零件叶轮选用优质低碳合金材料经特殊热处理工艺加工后进行平衡检测；定向套、分丸轮、叶片、护板均选用我们自己研制的特种耐磨材料制造，有较高的耐磨性和使用寿命；抛丸器罩壳采用机械手焊接，轴承座主轴选用优质中碳合金钢，采用进口加工中心加工，加工精度高；轴承选用国内名牌厂家厂内订货，精度高于国家标准1-2个等级。由于抛丸器的叶轮加工过程中经平衡检测和叶片经称重检测成组，从而保证抛丸器工作过程中减少振动，降低整个设备的噪声，净化了设备周围的环境。

PRODUCT FEATURE

The main parts of the impeller efficient shot blasting machine is made of high quality low carbon alloy material with a special heat treatment process backward action balance detection; control cage, distributor, blade, guard plate, the boards are made of special wear resistant materials made by ourselves, has high wear resistance and service life of bearing; blasting wheel shell adopt robot welding, spindle is made of high quality carbon steel, imported machining center, high machining precision; selection of bearing manufacturers domestic Nameplate Factory orders, accuracy is higher than the national standard 1-2 grades. Because the impeller machining process of shot blasting device by dynamic balance test and leaves the weighing test group, so as to ensure the reduction of vibration shot blasting machine working process, reduce the noise of the whole equipment, cleaning equipment environment.



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outstanding engineering and technical team is the source
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创新性解决方案

服务和维护计划

改善设备的运行状况，从而降低因停工造成的运营成本

KAITECH
山东开泰抛丸机械有限公司
SHANDONG KAITAI SHOT BLASTING MACHINERY CO., LTD.

山东开泰集团
SHANDONG KAITAI GROUP
地址: 山东·邹平·青阳开泰工业园
Add: Kaitai Industrial Park, Qingyang, Zouping, Shandong
电话 Tel: (86)0543-4571868 4579616
传真 Fax: (86)0543-4579169
邮编 P.C.: 256217
Http://www.kai-tai.com.cn
E-mail: sales@kai-tai.com.cn kaitai@263.net

山东开泰金属磨料有限公司
SHANDONG KAITAI METAL ABRASIVE CO.,LTD.
地址: 山东·邹平·青阳开泰工业园
Add: Kaitai Industrial Park, Qingyang, Zouping, Shandong
电话 Tel: (86)0543-4571868 4579616
传真 Fax: (86)0543-4579169
邮编 P.C.: 256217
Http://www.kai-tai.com.cn
E-mail: sales@kai-tai.com.cn kaitai@263.net

山东罗泰风机有限公司
SHANDONG LUOTAI BLOWER CO.,LTD.
地址: 山东·邹平·青阳开泰工业园
Add: Kaitai Industrial Park, Qingyang, Zouping, Shandong
电话 Tel: (86)0543-4288881 4288880 4892369
传真 Fax: (86)0543-4892399
邮编 P.C.: 256217
Http://www.kaitaicast.com
E-mail: sales@kai-tai.com.cn kaitai@263.net

山东开泰赛博海洋装备工程技术有限公司
SHANDONG KAITAI CYBER MARINE EQUIPMENT ENGINEERING TECHNOLOGY CO.,LTD.
地址: 山东·邹平·青阳开泰工业园
Add: Kaitai Industrial Park, Qingyang, Zouping, Shandong
电话 Tel: (86)0543-2187688
传真 Fax: (86)0543-4570360
邮编 P.C.: 256217
Http://www.ktairblast.com
E-mail: mengh10000@163.com sales01@kai-tai.com.cn

山东开泰抛丸机械有限公司
SHANDONG KAITAI SHOT BLASTING MACHINERY CO.,LTD.
地址: 山东·邹平·青阳开泰工业园
Add: Kaitai Industrial Park, Qingyang, Zouping, Shandong
电话 Tel: (86)0543-4578999 4288866
传真 Fax: (86)0543-4570356
邮编 P.C.: 256217
Http://www.kaitaishotblasting.com
E-mail: sales@kaitaishotblasting.com kaitai@263.net

山东开泰耐磨件精铸有限公司
SHANDONG KAITAI ABRASION PARTS PRECISION CASTING CO.,LTD.
地址: 山东·邹平·青阳开泰工业园
Add: Kaitai Industrial Park, Qingyang, Zouping, Shandong
电话 Tel: (86)0543-2242666 4960866
传真 Fax: (86)0543-4960871
邮编 P.C.: 256217
Http://www.kaitaicast.com
E-mail: sales@kai-tai.com.cn kaitai@263.net

山东罗泰除尘设备有限公司
SHANDONG ROTEC DUST REMOVING EQUIPMENT CO.,LTD.
地址: 山东·邹平·青阳开泰工业园
Add: Kaitai Industrial Park, Qingyang, Zouping, Shandong
电话 Tel: (86)0543-2187688
传真 Fax: (86)0543-4570360
邮编 P.C.: 256217
Http://www.rotech.cc/
E-mail: mengh10000@163.com sales01@kai-tai.com.cn

国际业务部
DEPT. OF INT'L TRADE KAITAI CO.
电话 Tel: (86)0543-4579616 4578888 4288866
2186616 15965017758
传真 Fax: (86)0543-4579617
Http://www.kai-tai.com.cn
E-mail: sales@kai-tai.com.cn kaitai@263.net