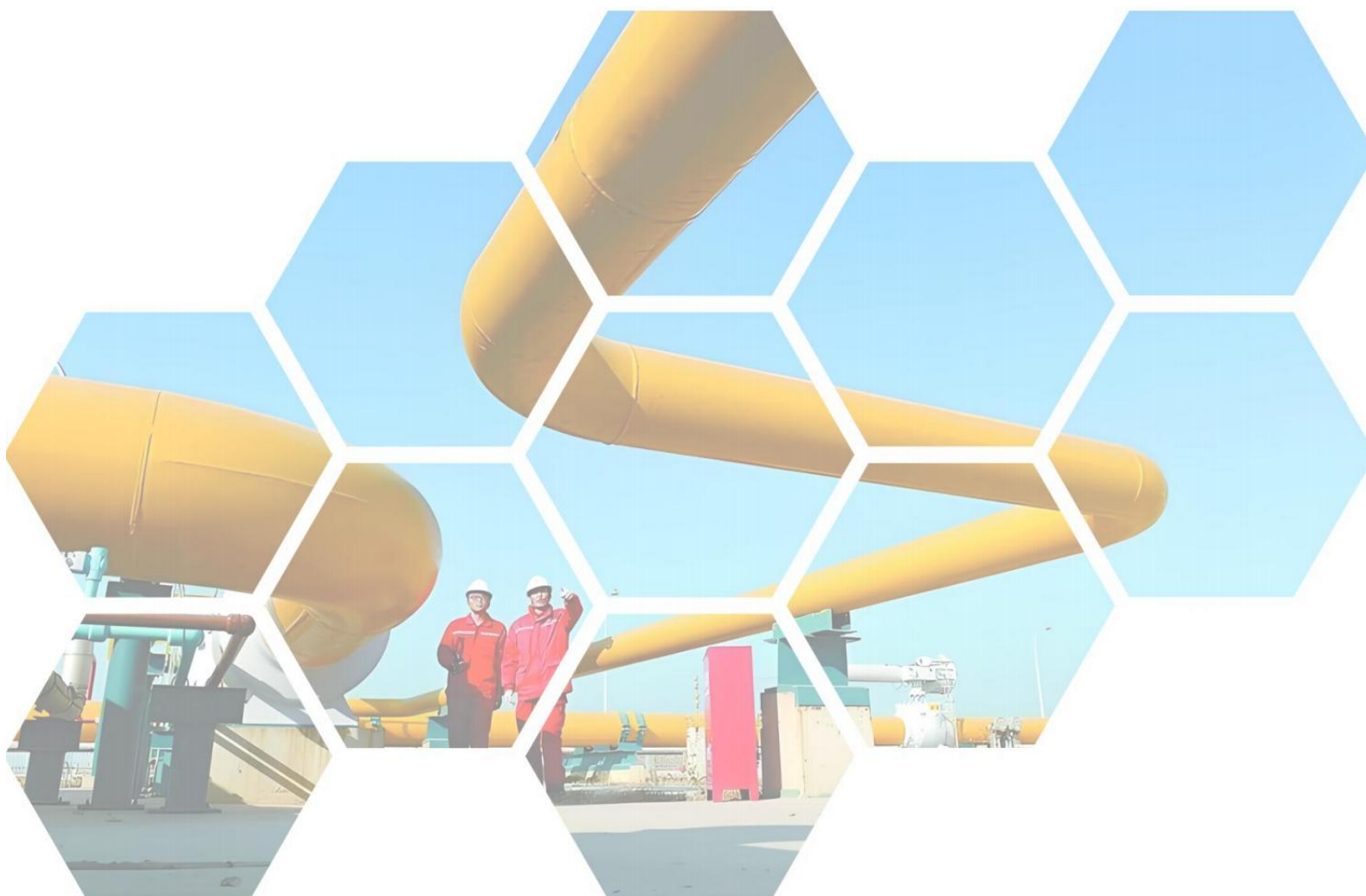




**Qingdao Zhengqiyun Intelligent
Industrial Technology Co., Ltd**



PRODUCT CATALOG 2025





1 中国工业防腐蚀技术协会会员单位
China's industrial anticorrosion technology association member units

2 中国石油工程建设协会管道设备与防护技术会员单位
Chinese petroleum engineering construction association

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One-step polyurethane insulation equipment
- ☐ 聚氨酯高低压发泡机设备
Polyurethane high and low pressure foaming machine equipment
- ☐ 钢套管发泡平台、穿管机组
Steel casing foaming platform, pipe piercing unit
- ☐ PU发泡缠绕设备
PU foaming and winding equipment

青岛增其运智能工业技术公司，总部位于山东青岛，是一家集研发、制造、营销、服务和贸易为一体的综合性高新技术企业，主要从事塑料机械设备的研发与制造，是国内最大的防腐保温设备生产和出口商之一。经过多二十年的技术沉淀和科技创新，公司以极具竞争力的价格为客户提供高质量的设备产品和优质售后服务。

Qingdao Zengqiyun Intelligent Industrial Technology Co., Ltd., established in Qingdao China, is a manufacturer mainly engages in production of plastic machinery and extrusion equipment. It is one of the largest anti-corrosion insulation equipment producer and exporter in north China. With more than twenty years experience, we are capable to provide excellent products and after-sales services with competitive price.





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Anti-corrosion production line for steel tube 3 PE 钢管3PE防腐生产线



φ 800-φ 3200钢管内壁环氧粉末、外壁三层PE生产线 (TPEP)
800-3200 the outer wall of steel pipe wall epoxy powder, three layer PE production line (TPEP)



钢管大口径单组螺旋输送线
Large diameter single spiral conveying line for steel pipe

3PE防腐钢管母材包括无缝钢管，螺旋钢管和直缝钢管。三层结构的聚乙烯(3PE)防腐涂层以其良好的抗腐蚀性、抗水气渗透性以及力学性能等，在石油管道行业得到了广泛应用。3PE防腐钢管一防腐层对于埋地管道的寿命来说是至关重要的，同样材质的管道，有的埋在地下几十年不腐蚀，有的几年就发生泄露。就是因为它们采用了不同的外防腐层。

The base material of 3PE anticorrosive steel pipe includes seamless steel pipe, spiral steel pipe and straight steel pipe. The three-layer polyethylene (3PE) anti-corrosion coating has been widely used in the petroleum pipeline industry for its good corrosion resistance, water-gas permeability and mechanical properties. An anti-corrosion layer of 3PE corrosion-resistant steel pipe is crucial for the life of buried pipes. Some pipes of the same material are buried underground for decades without corrosion, while others leak in a few years. That's because they use a different coating

2 中国石油工程建设协会管道设备与防护技术会员单位
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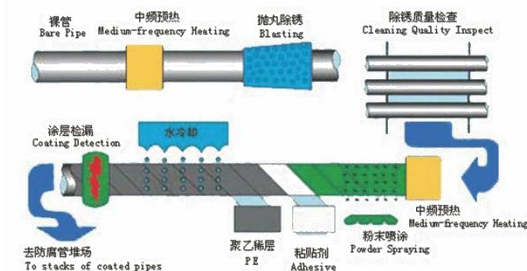
φ 159-φ 1020钢管3PE防腐生产线
φ 159-φ 1020 pipe 3PE anticorrosive production line



φ 426-φ 1620钢管3PE防腐生产线
φ 426-φ 1620 steel pipe 3PE anticorrosive production line



φ 800-φ 2800钢管内壁环氧粉末、外壁三层PE生产线 (TPEP)
φ 800-φ 2800 pipe internal wall epoxy powder, external wall three layer PE production line (TPEP)



三层PE防腐生产流程
Three layers of PE anticorrosive production process



200/33:1高产量挤出系统
200/33:1 high yield extrusion system



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大口径TPEP成品管



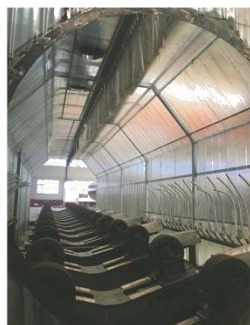
Large diameter TPEP finished pipe



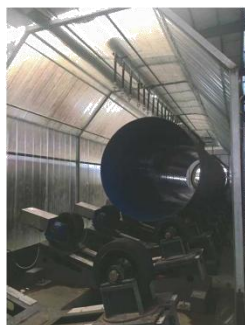
φ 2600 TPEP坡口机



φ 2600 TPEP groove machine



φ 800-φ 3200 TPEP冷却喷淋房
φ 800-φ 3200 TPEP cooling spray room



φ 800-φ 3200 TPEP螺旋输送系统
φ 800-φ 3200 TPEP screw conveyor system

2 中国石油工程建设协会管道设备与防护技术会员单位
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直行输送线
Straight conveyor line



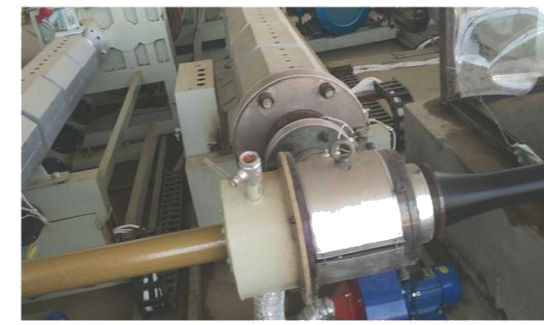
包覆3PE机头
Cover 3PE head



包覆3PE150挤出机 (φ 32 - φ 325)
Coated 3 PE150 extruder (φ 32 - φ 325)



钢管包覆3PE生产线 (φ 32 - φ 325) Steel pipe coated 3 PE production line (φ 32 - φ 325)





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2 中国石油工程建设协会管道设备与防护技术会员单位
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STEEL TUBE OUTER WALL SHOT BLASTING MACHINE

钢管外壁抛丸除锈机

该设备主要由清理室、抛丸器总成、输送辊道、上料机构、卸料机构、螺旋输送机、提升机、维修平台、分离器、除尘系统及电控系统等组成。

The equipment is mainly composed of cleaning room, shot thrower assembly, conveyer table, loading mechanism, unloading mechanism, screw conveyor, hoist, maintenance platform, separator, dust removal system and electric control system.

1. 抛丸器采用向上抛丸布置。由于管径不同钢管在辊道上输送时其底面大致处于相同的高度，抛丸器从下向上抛射，弹丸到钢管表面的距离基本相同，钢丸到达工件表面的抛射速度相同，保证不同管径的钢管对表面的清理效果都一样。为后续的喷涂提供相同的条件。

1. Upward shot blasting is adopted for the shot blasting unit. Since the bottom of pipe with different pipe diameters is roughly at the same height when the pipe is transported on the roller, the projectile projectile is fired upward from the bottom, the distance from the projectile to the surface of the steel pipe is basically the same, and the projectile reaches the surface of the workpiece with the same projectile velocity, ensuring that the steel pipe of different pipe diameters has the same cleaning effect on the surface. Provide the same conditions for subsequent painting.



钢管、钢板、型材综合式多功能抛丸除锈机
Steel pipe, steel plate, profile comprehensive multi-functional shot blasting and rust removal machine



钢管外壁多管抛丸除锈机
Multi-pipe shot blasting and rust removal machine for outer wall of steel pipe



1420抛丸机生产线
1420 shot blasting machine production line



抛丸机螺旋输送线
Shot blasting machine screw conveyor line

2. 工件连续通过抛丸机的进出口,因清理管径悬殊的钢管,为防止弹丸外飞,本机采用多层可换式密封毛刷,实现对弹丸的彻底密封。

2. The workpiece is continuously passed through the inlet and outlet of the shot blasting machine. To prevent the projectile from flying, the machine adopts a multi-layer replaceable sealing brush to completely seal the projectile due to cleaning the steel pipe with different sizes.

3. 采用离心悬臂式新颖高效多功能抛丸器,抛丸量大,效率高,叶片更换迅速,具有整体更换之性能,维修方便。

3. The centrifugal cantilever is adopted as a novel, high-efficiency and multi-functional shot blasting device, which has a large amount of shot blasting, high efficiency, rapid blade replacement, integral replacement performance and convenient maintenance.

4. 采用满幕帘式BE型丸渣分离器,大大提高了分离量、分离效率及抛丸质量,减轻了对抛丸器的磨损。

4. The full curtain BE type pellet slag separator is adopted, which greatly improves the separation quantity, separation efficiency and shot blasting quality, and reduces the wear of the shot blasting machine.



1 中国工业防腐蚀技术协会会员单位
China's industrial anticorrosion technology association member units

钢管抛丸机适用于成批钢管在焊接或涂装前对其外表面连续进行抛丸处理，彻底进行除锈，除氧化皮和其他污垢物，是管道清理方面的专家。经过抛丸处理，使之获得一定粗糙度的光洁表面，增加喷涂附着力，提高表面质量与防腐效果。其卓越的清理性能让过去劳动力密集的喷砂和电线刷的方法成为过去式。同时，钢管抛丸机能将生产成本降至最低，且大大提高产出。

Pipe shot blasting machine is suitable for continuous shot blasting treatment of the outer surface of batches of steel pipes before welding or painting, thorough rust removal, in addition to oxide scales and other dirt. It is an expert in pipeline cleaning. After shot blasting treatment, a smooth surface with certain roughness can be obtained, the adhesion of spraying can be increased, and the surface quality and anti-corrosion effect can be improved. Its excellent cleaning performance has made the past labor-intensive sandblasting and wire brush methods a thing of the past. At the same time, the steel tube shot blasting machine reduces the production cost to the lowest, and greatly improves the output.



φ 3500 外壁抛丸除锈生产线 φ 3500 outer wall shot blasting and rust removal line



小管径外壁除锈定位器
Tubule diameter outer wall derusting locator



小管抛丸除锈生产线
Small tube shot blasting and derusting production line

2 中国石油工程建设协会管道设备与防护技术会员单位
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外壁抛丸除锈生产线

Outer wall shot blasting and rust removal line





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内除锈液压马达（德国Linder原装进口）
Hydraulic motor for internal derusting (originally imported from Linder, Germany)



φ 1000-φ 2800带加强筋法兰特殊钢管内壁除锈生产线
φ 1000-φ 2800 with reinforced flange special steel pipe inner wall rust removal line

Steel tube inner wall shot blasting machine 钢管内壁抛丸机

钢管内壁抛丸机是我公司针对不同大小钢管内壁处理的一种新型清理设备,它具有超强的处理能力.可以根据钢管的管径不同而选用不同的抛丸或喷丸处理设备,其中抛丸清理采用液压马达驱动,喷丸清理采用启动马达驱动.

Steel tube inner wall shot blasting machine is a new cleaning equipment for the treatment of steel tube inner wall of different sizes in our company, which has super processing capacity. Different shot blasting or shot blasting treatment equipment can be selected according to the pipe diameter of steel tube, among which shot blasting cleaning is driven by hydraulic motor and shot blasting cleaning is driven by starting motor

我公司设计的有大管径的内壁抛丸机和直径600mm以下的小型钢管喷丸机等.该设备采用自动抛丸去除表面锈蚀,利用高效抛丸器抛出的高速弹丸流束击碎钢管内表面上的氧化皮、锈层及其杂物,使之获得精细的光亮表面,提高工件的抗拉和抗压强度,为内表面涂漆保护增加附着力,达到防腐、护管、延长钢管使用寿命之目的.

清理后工件表面的光洁度和粗糙度符合有关的标准规定.小口径的钢管使用内壁喷丸机,钢管内壁喷丸处理线,主要包括移动台车,砂斗,喷砂罐,喷枪,喷枪承载车,钢管承载系统,底部弹丸输送带皮机,斗提机,维修平台,分离器,除尘系统,支架,气动系统,压缩空气系统,电控系统.

Our company designs the inner wall shot blasting machine with large pipe diameter and the small steel pipe shot blasting machine with diameter under 600mm. The equipment adopts the automatic shot blasting, removing surface rust with efficient blasting thrown by the high-speed projectile flow shatter steel beam on the surface of the scale, rust layer and sundry, to obtain fine bright surface, improve the tensile and compressive strength, increase adhesion for the coating on the inner surface protection, achieve anticorrosive, protection tube, prolong the service life of steel pipe.

The surface finish and roughness of the cleaned workpiece conform to the relevant standards. Small-caliber steel pipe uses inner wall shot blasting machine, steel pipe inner wall shot blasting processing line, mainly including mobile trolley, sand bucket, sand blasting tank, gun, gun bearing vehicle, steel pipe bearing system, bottom projectile conveyor belt machine, bucket elevator, maintenance platform, separator, dust removal system, bracket, pneumatic system, compressed air system, electronic control system.



① 中国工业防腐蚀技术协会会员单位
China's industrial anticorrosion technology association member units

Steel tube inner wall shot blasting unit 钢管内壁抛丸机组成



钢管抛丸机采用多层可换式密封毛刷，能够实现对弹丸的彻底密封，采用德国力士乐、德国林德原装进口液压油泵。钢管抛丸机采用离心悬臂式新颖高效多功能抛丸器，抛丸量大，效率高，叶片更换迅速，具有整体更换之性能，维修方便。

The steel tube shot blasting machine adopts multi-layer replaceable sealing brush, which can completely seal the projectile. The original imported hydraulic oil pump of Rexroth Germany and Linde Germany is adopted. The steel tube shot blasting machine adopts centrifugal cantilever type novel high-efficiency multi-function shot blasting machine, which has large shot blasting volume, high efficiency, rapid blade replacement, overall replacement performance and convenient maintenance.

钢管抛丸机由送进辊道、抛丸清理机、送出辊道、下料机构、气控系统、电控系统及除尘系统等组成。抛丸清理机由抛丸室、抛丸器总成、溜丸斗及格栅、丸渣分离器、提升机、平台梯子栏杆、供丸系统等部件组成。

Steel tube shot blasting machine is composed of feeding roller, shot blasting cleaning machine, feeding roller, feeding mechanism, air control system, electric control system and dust removal system. The shot blasting cleaning machine is composed of shot blasting chamber, shot blasting unit, slide shot bucket and grille, shot slag separator, hoist, platform ladder baluster, supply shot system, etc.

② 中国石油工程建设协会管道设备与防护技术会员单位
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钢管内壁抛丸除锈、抛头枪杆扶正器
Shot blasting and rust removal on inner wall of steel tube, gun centralizer

钢管抛丸机借助PLC电气控制，气阀气缸气动控制上卸料系统，弹丸可控闸门以及弹丸输送等故障检测，实现整机自动控制。

The steel tube shot blasting machine is controlled by PLC electrical control, the air valve cylinder is controlled by the loading and unloading system, the controlled valve of the projectile and the conveyance of the projectile.



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Sand blasting and derusting production line for inner wall

内壁喷砂除锈生产线

内壁喷砂器喷嘴采用高温烧结的纯碳化硼材质制成，其硬度极高，仅次于金刚石，耐磨损，大限度地延长了易损件的使用寿命。此款喷砂器适用于 $\phi 32-1620\text{mm}$ 管道内壁喷砂处理。

主体气包由台湾进口，利用高压空气吹动气包内的气动马达叶片，从而牵动齿轮旋转带动喷嘴Y型座做 360° 的旋转，再带动两支装在Y型座前成 90° 分布的喷嘴匀速旋转，达到均匀 360° 的喷砂目的。同时内壁喷砂器沿着管子长度方向做匀速后退直线运动，从而达到清理管道所有长度范围内壁的目的，经清理后的表面质量等级可达Sa2.5-Sa3。

The inner wall sandblaster nozzle is made of pure boron carbide material sintered at high temperature. Its hardness is very high, which is second only to diamond. Its wear resistance extends the service life of vulnerable parts to a great extent. This sand blasting machine is suitable for sand blasting treatment of inner wall of pipeline with diameter of 32-1620 mm.

The main air chamber is imported from Taiwan, and the pneumatic motor blades in the air chamber are blown by high pressure air, thus driving the gear rotation to drive the Y-shaped seat of the nozzle to rotate 360 degrees, and then driving two nozzles with 90 degrees distribution in front of the Y-shaped seat to rotate uniformly, so as to achieve the goal of uniform 360 degrees sand blasting. At the same time, the inner wall sandblaster moves in a uniform backward straight line along the length of the tube, so as to clean up the pipeline. For the purpose of wall with length range, the surface quality grade after cleaning can reach Sa2.5-Sa3.



间接式喷砂器
Indirect sandblast



砂阀总成



充气气阀



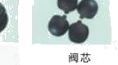
充排总成



喷嘴



耐磨套



喷砂管



阀芯



特点

- 操作简单 维修方便
Simple operation easy maintenance
- 故障率低 寿命特长
Low failure rate and long life
- 成本低 效率高
Low cost and high efficiency

- 承蒙采用青岛华特喷砂设备时，敬请告知下列事项：
 - 加工物体大小、形状 喷砂能力需求
 - 加工物体的材质 作业及设置场所
 - 喷砂目的、涂装底表面处或其它 空压机的容量

我方将为您推荐符合上述各种要求的最适用机型。同时，我们亦可量身定做适合客户需求的非标设备及工程

喷嘴选型表

喷嘴口径 Dia/mm	空气量 Air calculation m ³ /min	耗砂量 Sand consumption kg/h	铁砂量 Sand Weight kg/h	研扫面积 Sweep area
4	0.98	100	290	2.7
5	1.53	156	450	4.2
6	2.2	224	650	6.0
7	3.0	306	890	8.2
8	3.92	400	1100	10.7
9	4.96	506	1470	13.6
10	6.1	622	1800	16.7
11	7.4	755	2200	20.2
12	8.8	900	3050	24.1





1 中国工业防腐蚀技术协会会员单位
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Inner wall epoxy powder coating equipment

内外壁环氧粉末喷涂设备

内壁环氧粉末喷涂钢管是以焊接钢管为基材，采取喷砂化学双重前处理、预热、内涂装、固化、后处理等工艺制作而成的钢塑复合管。具有其优良的综合性能，很强的耐腐蚀性和机械性，良好的耐化学稳定性和耐水性，具有减阻、防腐、抗压，抗菌等作用。它一般不受输送介质的制约，涂层与钢铁有极强的结合力。涂层材质:环氧粉末(EP)适用于80℃以下的工作环境，钢管涂层有极高的附着力，其涂层硬度高、耐冲击性好，且有较好的耐化学腐蚀性能。

The inner wall epoxy powder coating steel pipe is a kind of steel-plastic composite pipe which is made of welding steel pipe as the base material and by the chemical pre-treatment of sandblasting, preheating, inner coating, curing and post-treatment. It has excellent comprehensive performance, strong corrosion and mechanical resistance, good chemical stability and water resistance, anti-corrosion, anti-pressure, anti-bacterial and other functions. It is generally not subject to the transmission medium, coating and steel has a strong bond. Coating material: epoxy powder (EP) is suitable for the working environment, under 80 °C steel pipe coating has high adhesion force, its coating high hardness, good resistance to impact, and has good resistance to chemical corrosion.



2 中国石油工程建设协会管道设备与防护技术会员单位
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内外环氧粉末防腐钢管生产加工范围 ϕ DN80— ϕ DN3500

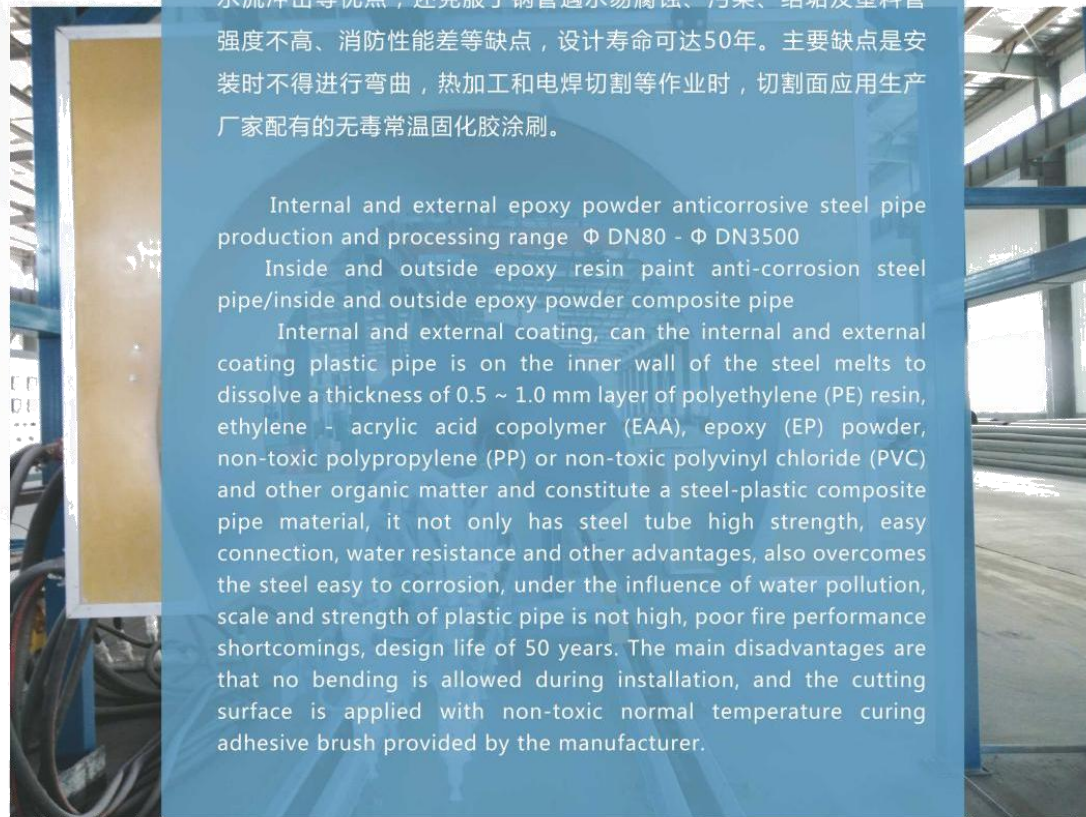
内外环氧树脂漆防腐钢管/内外环氧粉末复合管

内外涂塑管，内外涂塑钢管是在钢管内壁熔融一层厚度为0.5~1.0mm的聚乙烯(PE)树脂、乙烯-丙烯酸共聚物(EAA)、环氧(EP)粉末、无毒聚丙烯(PP)或无毒聚氯乙烯(PVC)等有机物而构成的钢塑复合型管材，它不但具有钢管的高强度、易连接、耐水流冲击等优点，还克服了钢管遇水易腐蚀、污染、结垢及塑料管强度不高、消防性能差等缺点，设计寿命可达50年。主要缺点是安装时不得进行弯曲，热加工和电焊切割等作业时，切割面应用生产厂家配有的无毒常温固化胶涂刷。

Internal and external epoxy powder anticorrosive steel pipe production and processing range Φ DN80 - Φ DN3500

Inside and outside epoxy resin paint anti-corrosion steel pipe/inside and outside epoxy powder composite pipe

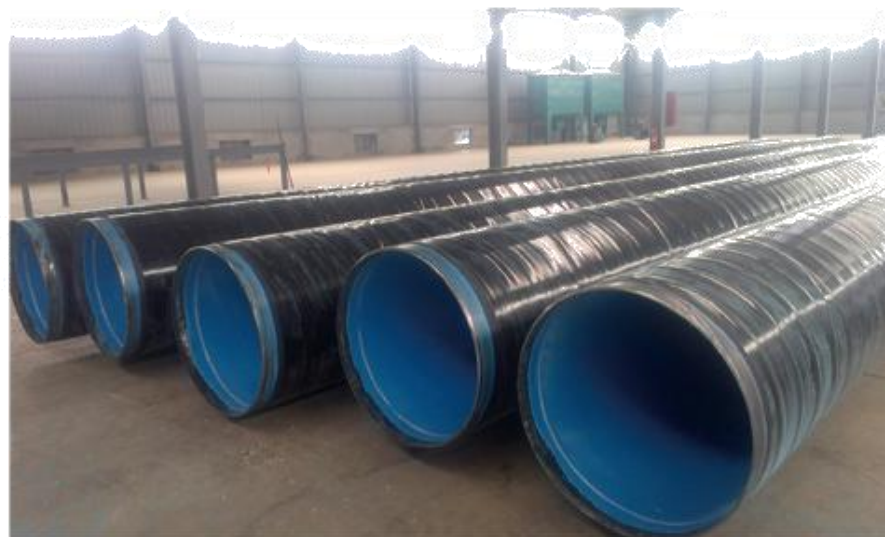
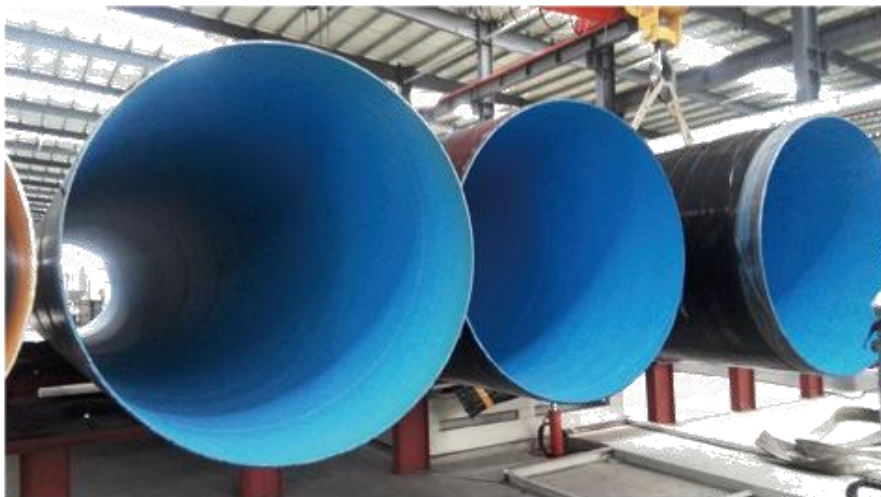
Internal and external coating, can the internal and external coating plastic pipe is on the inner wall of the steel melts to dissolve a thickness of 0.5 ~ 1.0 mm layer of polyethylene (PE) resin, ethylene - acrylic acid copolymer (EAA), epoxy (EP) powder, non-toxic polypropylene (PP) or non-toxic polyvinyl chloride (PVC) and other organic matter and constitute a steel-plastic composite pipe material, it not only has steel tube high strength, easy connection, water resistance and other advantages, also overcomes the steel easy to corrosion, under the influence of water pollution, scale and strength of plastic pipe is not high, poor fire performance shortcomings, design life of 50 years. The main disadvantages are that no bending is allowed during installation, and the cutting surface is applied with non-toxic normal temperature curing adhesive brush provided by the manufacturer.





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3PE成品管 3PE Finished Tube



环氧粉末静电发生器
Epoxy powder electrostatic generator



环氧粉末回收系统
Epoxy powder recovery system



内壁粉末喷涂
Powder Spraying on Inner Wall



环氧粉末静电喷涂设备
Electrostatic Spraying Equipment for Epoxy Powder



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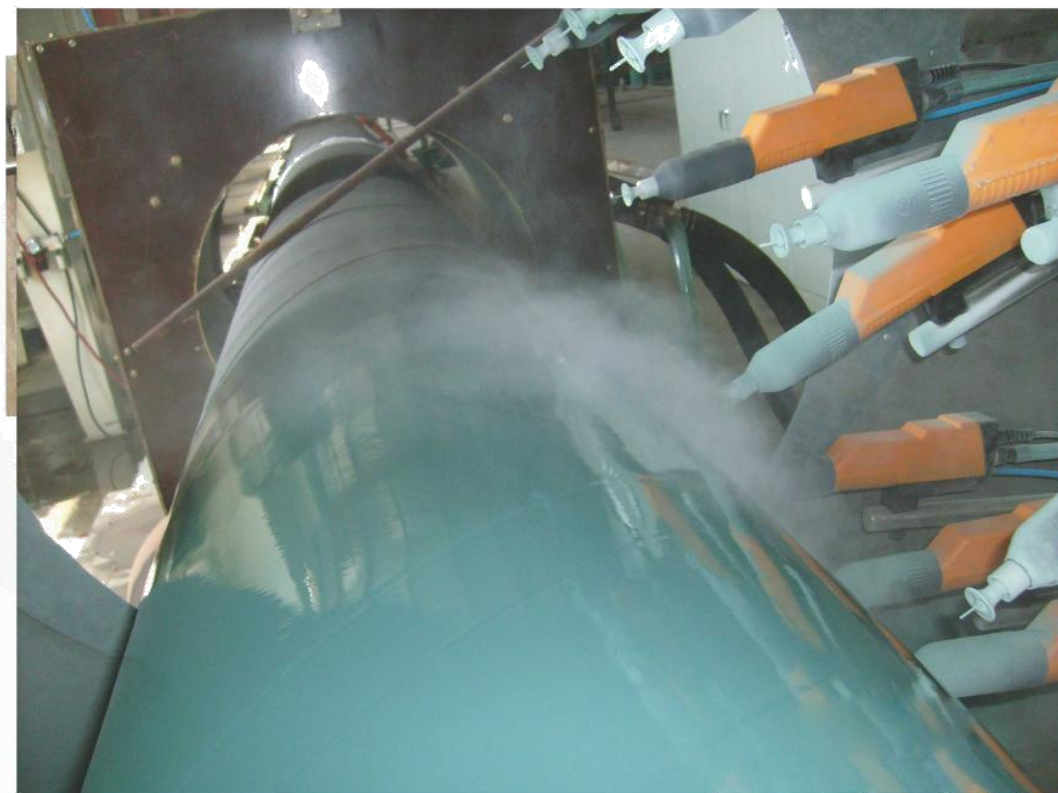


Anti-uv three-layer anti-corrosion pipe 抗UV三层防腐管材

抗UV三层防腐管材涉及的是一种防腐管材，特别涉及的是一种用于燃气户外输送UV（紫外线）三层防腐管材。

现有用于户外燃气的管材用钢管或不锈钢或铝塑复合管。钢管防腐能力差，使用寿命短；不锈钢管成本高，安全性差；铝塑复合管抗冲击能力弱，气密性差，使用寿命短。

为克服以上不足，提供一种有卓越的抗UV性能、抗冲击性能、抗弯曲性能、防腐性能，使用寿命长，安全抗UV三层防腐管材。



Anti-uv three-layer anti-corrosion pipe is a kind of anti-corrosion pipe, especially for the outdoor transmission of gas UV (UV) three-layer anti-corrosion pipe.

Existing outdoor gas used for pipe steel pipe or stainless steel or aluminum plastic composite pipe. Poor corrosion resistance of steel tube. Short service life, high cost of stainless steel pipe, poor safety, weak impact resistance, poor air tightness, short service life.

In order to overcome the above deficiencies, to provide an excellent anti-uv, anti-impact, anti-bending performance, anti-corrosion performance, long service life, safe anti-uv three-layer anti-corrosion pipe.



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新型抗UV三层防腐管材，包括钢管，复合在钢管外周的防腐层，复合在防腐层上防腐连接层，复合在防腐连接层上的抗紫外线层

新型具有卓越的防腐性能、抗UV性能、抗冲击性能、抗弯曲性能、高机械强度、耐磨性能，安全、可靠，使用寿命长，正常使用寿命可达50年

New anti-uv three-layer anti-corrosion pipe, including steel pipe, composite steel pipe around the anti-corrosion layer, composite anti-corrosion layer on the anti-corrosion layer, composite anti-ultraviolet layer on the anti-corrosion layer

New type has excellent anti-corrosion performance, UV resistance, impact resistance, bending resistance, high mechanical strength, wear resistance, safety, reliability, long service life, normal service life up to 50 years

抗UV三层防腐管材

- 1、包括钢管复合在钢管四周的热固性环氧粉末涂料防腐层
- 2、复合在防腐层，复合在防腐层上的热固性环氧-聚氨酯粉末涂料防腐连接层。
- 3、复合在防腐连接层上的热固性聚氨酯粉末涂料抗紫外线层。

Three-layer anti-UV pipe

1. Thermosetting epoxy powder coatings containing steel pipes composite around steel pipes
2. Compound in anticorrosive coatings, and thermosetting epoxy-polyurethane powder coatings on anticorrosive coatings.
3. Thermosetting polyester powder coatings with anti-ultraviolet coating compounded on the anticorrosive joint layer.



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Black and yellow jacket pipe plastic extruder complete set of equipment

黑黄夹克管塑料挤出机成套设备

真空定径保温管挤出生产线是我公司引进和吸收德国最新的先进技术研制新型真空定径法预制直埋保温管材生产线，主要适用于挤出HDPE原料和再生料。真空定径管材挤出生产线具有高效挤出，低耗能等优点，真空定径管材生产线采用高效单螺杆塑料挤出机，螺旋体机头，快速真空定型，生产出的成品表面光滑、均匀；配备行星切割机，自动切割，管皮切割面整齐，减少废料，节约成本，大大降低了人工，提高了生产效率。

The vacuum sizing thermal-insulation pipe extrusion line is a new production line of directly buried thermal-insulation pipe prefabricated by vacuum sizing method, which is mainly used to extrude HDPE raw materials and recycled materials. The vacuum sizing pipe extrusion line has the advantages of efficient extrusion, low energy consumption, etc. The vacuum sizing pipe production line adopts efficient single screw plastic extruder, screw head, rapid vacuum molding, and the finished product has smooth and uniform surface. Equipped with planetary cutters, automatic cutting, neat cutting surface of tube skin, reducing waste, saving cost, greatly reducing manpower and improving production efficiency.

挤出机的主要参数

Main parameters of extruder

型号	螺杆直径 mm	长径比 L/D	主功率 KW	加热功率 KW	冷却方式	最大产量 kg/h
SJ-65	65	30-35	22-37	12-18	风冷/水冷	250
SJ-90	90	30-35	30-110	14-40	风冷/水冷	360
SJ-120	120	30-35	70-315	20-60	风冷/水冷	800
SJ-150	150	30-35	185-355	30-80	风冷/水冷	1050
SJ-180	180	30-35	355-450	40-120	风冷/水冷	1200
SJ-200	200	30-35	355-500	50-120	风冷/水冷	1500



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青岛华特防腐保温设备有限公司研发制造的真空定径管材挤出生产线结构合理，性能优越，品质升级。配备西门子PLC电脑集成控制，新工艺，自动化程度高，提高了整条生产线的性能，受国内外客户的喜爱。

Qingdao Huate Antiseptic and Thermal Insulation Equipment Co., Ltd. developed and manufactured vacuum sizing pipe extrusion production line with reasonable structure, superior performance and quality upgrading. With Siemens PLC computer integrated control, new technology, high degree of automation, improve the performance of the entire production line, favored by customers at home and abroad.



青岛华特防腐保温设备有限公司





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PREFABRICATIONS TO BURY THE THERMAL GAUGE 预制直埋保温管规格表

预制直埋保温管适合输送在-50℃—150℃范围内的各种介质的保温保冷工程。保温管已广泛应用于城市集中供热、暖室、冷库、煤矿、石油港口、空调、化工等行业的保温保冷工程。

钢管规格	外套管规格	保温层厚度 (mm)	建议选型
Φ 60×3.0	Φ 125×2.5	30	90 型高效单螺杆挤出机
Φ 76×3.0	Φ 140×3.0	29.5	
Φ 89×4.0	Φ 160×3.0	32.5	
Φ 114×4.0	Φ 200×3.2	39.8	
Φ 140×4.5	Φ 225×3.5	39	
Φ 165×4.5	Φ 250×3.9	38.6	
Φ 219×6.0	Φ 315×4.9	43.1	
Φ 273×6.0	Φ 365×5.6	40.4	
Φ 325×7.0	Φ 420×7.0	40.5	
Φ 377×7.0	Φ 500×7.8	53.7	120 型高效单螺杆挤出机
426×7.0	Φ 550×8.8	53.2	
Φ 478×7.0	Φ 600×8.8	52.2	
Φ 529×8.0	Φ 655×9.8	53.2	
Φ 630×8.0	Φ 760×11	53.9	
Φ 720×9.0	Φ 850×12	53	
Φ 820×10.0	Φ 960×13	57	150 型高效单螺杆挤出机
Φ 920×10.0	Φ 1054×14	53	
Φ 1020×12	Φ 1155×14	53.5	
Φ 1220×12	Φ 1380×15	65	180 型高效单螺杆挤出机
Φ 1420×14	Φ 1680×16	80	

注：机头、主体可选 φ125 φ250 φ420 φ760 (配有不锈钢加热圈、耐高温聚四氟垫)



自动切割锯 Automatic cutting saw



挤出机 Extruder



真空生产线 Vacuum Production Line



封气机 Air sealing machine



牵引机 Traction machine



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Polyurethane high and low pressure foaming machine equipment

聚氨酯高压发泡机设备



高压发泡机电脑版新型环保节能型

配置介绍:

电脑自动控制, 计量准确, 速度快, 效率高, 发泡密度强, 节省聚氨酯黑白料。枪头自动清洗, 可反复注射30万次以上, 不损坏, 自动上料, 自动恒温加热, 温度可调。

High pressure foam machine computer version of the new environmental protection and energy - saving

Configuration description:

Computer automatic control, accurate measurement, high speed, high efficiency, high foaming density, save polyurethane black and white material. The head of the gun can be automatically cleaned, and can be injected more than 300,000 times, without damage, automatically feed, automatically thermostatic heating, temperature adjustable.



高压发泡机新型环保节能型

GZ(Y)-220型聚氨酯高压发泡机

GZ(Y)-300型聚氨酯高压发泡机

GZ(Y)-500型聚氨酯高压发泡机

GZ(Y)-600型聚氨酯高压发泡机

High pressure foaming machine new environmental protection and energy - saving

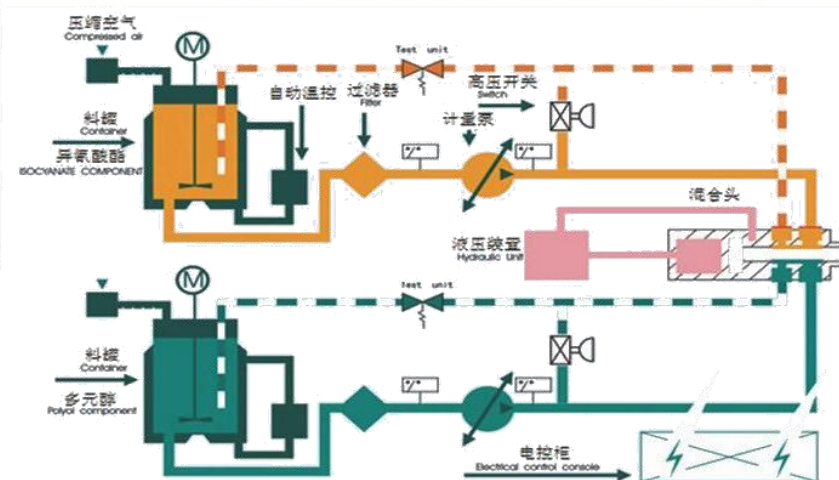
GZ(Y)-220 polyurethane foam machine

GZ(Y)-300 type polyurethane foam machine

GZ(Y)-500 polyurethane foam machine

GZ(Y)-600 type polyurethane foam machine

聚氨酯高压发泡机的工艺流程图





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The foaming platform of the steel sleeve and the pipe piercing unit

钢套管发泡平台、穿管机组

液压发泡平台设备的用途：保温管道、蒸汽管道、热力管网。发泡平台为二步法生产聚氨酯泡沫塑料保温管的专用辅助设备。发泡平台利用液压机构对安置于设备工作台面的待发泡管件（已安好中间支架及外套管）两端快速进行发泡法兰对接、定位、闭禁，以便进行发泡作业。该设备具有高效率、低能耗、易操作的特点，大大降低了操作工人的劳动强度。该机由左、右法兰调整、运动系统；工作台；液压及控制系统等组成。



The utility of hydraulic foam platform equipment: heat insulation pipe, steam pipe and thermal pipe network. The foaming platform is a special auxiliary equipment for the two-step production of polyurethane foam insulation pipe. The foaming platform USES hydraulic mechanism to quickly connect, locate and close the foaming flanges at both ends of the foaming pipes (the intermediate support and outer casing

have been installed) placed on the working table of the equipment, so as to facilitate the foaming operation. The equipment has the characteristics of high efficiency, low energy consumption and easy operation, which greatly reduces the labor intensity of the operator. The machine is adjusted by left and right flanges and moving system; The workbench. Hydraulic system and control system.



无支架发泡平台
Scaffoldless Foaming Platform



无支架发泡平台
Scaffoldless Foaming Platform



穿管发泡一体化设备
Scaffolded Foaming Platform



有支架发泡平台
Scaffolded Foaming Platform



有支架发泡平台
Scaffolded Foaming Platform



无支架发泡平台
Scaffolded Foaming Platform



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PU foam winding equipment PU发泡缠绕设备

PU(聚氨酯)组合发泡料俗称黑料和白料,也叫AB胶、发泡黑白料、黑胶、白胶,黑料为异氰酸酯(粗MDI),白料为组合聚醚(Premixed polyols),两者按比例搅拌混合后发生聚合反应,生成具有独立闭孔结构的聚氨酯硬质泡沫塑料,具有密度小、比强度高、绝热保温性能好、耐酸碱、耐老化、生产加工性能优良等特点



PU (polyurethane) composite foaming materials commonly known as black and white material, also called AB glue, foam material, black and white black glue, white glue, black material for isocyanate (MDI), white material for composite polyether (Premixed polyols), both proportional mixing blend polymerization reaction, generating independent closed pore structure of polyurethane rigid foam, density is small, than the intensity is high, the heat insulation performance is good, acid and alkali resistance, ageing resistance and good performance characteristics such as production and processing



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钢管行走设备



Steel Pipe Walking Equipment



螺旋输送线



Spiral conveyor



真空罐、传动线



Vacuum tank and transmission line

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控制柜



control cabinet



真空罐



Vacuum tank



自动切割锯



Automatic cutting saw



AWAITING YOURS



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