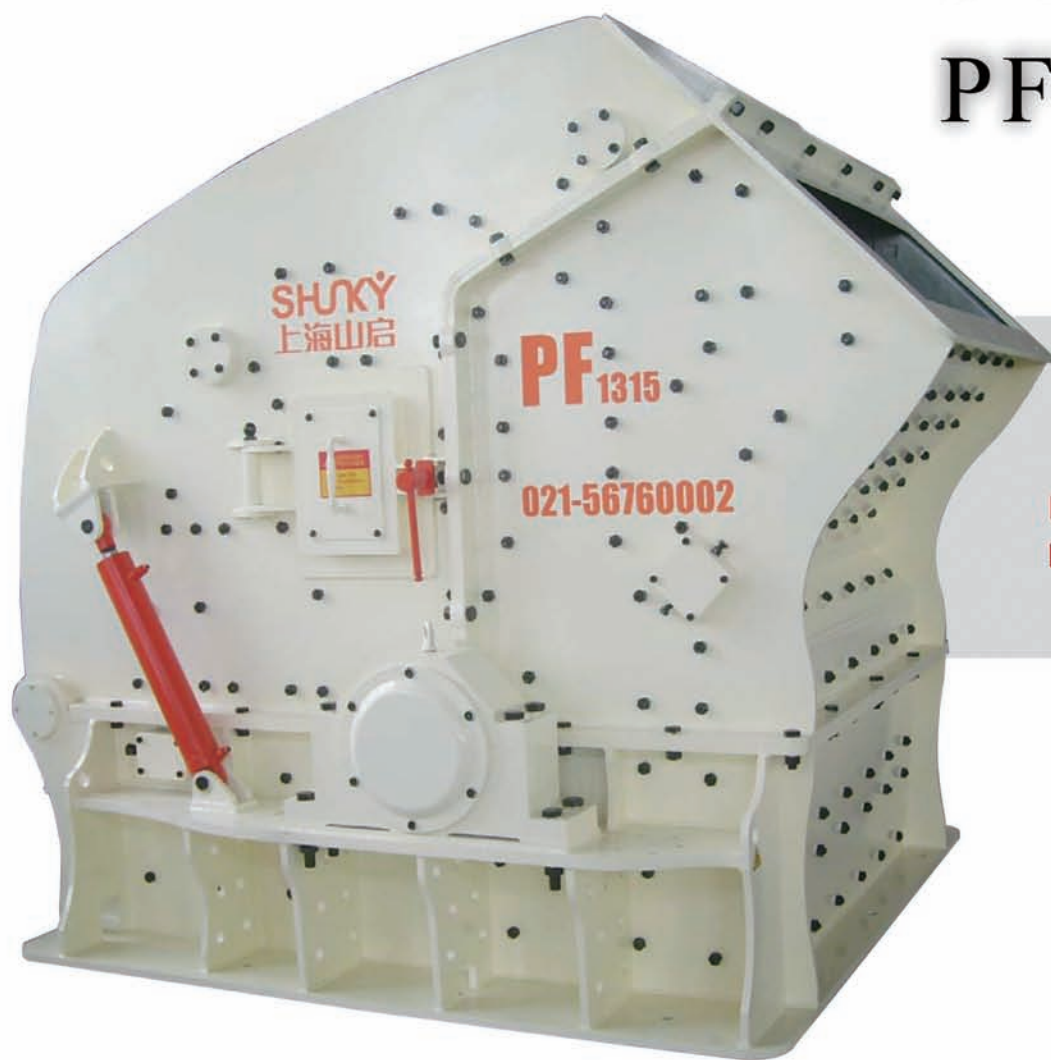


PF系列反击式破碎机

PF Series Impact Crusher



进料口大、破碎腔高、适应物料硬度高，块度大、产品石粉少

It has a big feed opening and a high crushing chamber. Materials of high hardness and big size can be crushed by it, and the product is of less powder.

产品简介 Brief Introduction

反击式破碎机简称反击破，是破碎生产线中二次破碎的重点设备。而PF系列反击式破碎机是上海山启在吸收国内外先进技术，结合国内砂石行业具体工矿条件而研制的最新一代反击式破碎机。该机采用最新的制造工艺，独特的结构设计，其中无键联接及液压启臂技术不仅降低了客户的运营成本，而且增加了生产效率。其加工成品呈立方体，无张力和裂缝，粒形相当好，能破碎进料粒度不超过500mm、抗压强度不超过350MPa的各种粗、中、细物料(花岗岩、石灰石、混凝土等)，其排料粒度大小可以调节，破碎规格多样化。目前，该机已被广泛应用于各种矿石破碎、铁路、高速公路、能源、水泥、化工、建筑等行业。

Impact crusher is an important equipment for secondary crushing. On the basis of absorbing advanced technology from home and abroad, Shunky adopted the latest manufacturing craftsmanship as well as unique design and developed the latest PF series impact crusher with considering the specific mining conditions of domestic sand industry. The adoption of no-board connection and hydraulic valve not only reduces the customer's operation cost, but also improves the production efficiency. Finished products are cubic without tension or cracks, and the shape is quite good. It can crush various coarse, medium and fine materials with maximum size less than 500mm and compressive strength no more than 350MPa. Besides, the crushing specification is various. Now it has been widely used in ore crushing, railway, highway, energy, cement, chemical, construction and other industries.

产品优势 Product Advantages

- 1、PF系列反击式破碎机是上海山启在吸收国内外先进技术，结合国内砂石行业具体工矿条件的基础上研制的最新一代反击式破碎机。它采用最新的制造技术，选用优质的高铬板锤耐磨反击衬板，加上独特的齿式反击衬板设计，既提高了设备的冲击力，又增强了抗磨损能力。
- 2、PF系列反击式破碎机经过更优化审计，破碎腔更大，给料粒度更大，全新的重型化转子设计使其具有更大的转动惯量，增大了设备的产量，获得了更大的破碎比，从而实现了低成本、节能、高效的完美结合。加工之后的成品呈立方体，无张力和裂缝，粒形完整。另外整机结构紧凑，机身采用无键联接，检修方便，更适合大规模推广使用。

1. Impact crusher is a new product designed by Shanghai Shunky Machinery., Co., Ltd after absorbing the advanced technology at home and abroad, which considering the specific mining conditions of domestic sand industry in our country. It adopts the latest manufacturing craftsmanship and unique teeth liner to increase the impact force.
2. PF series impact crusher owes deep crushing cavity, big feed opening and new rotor design. This increases production and gain greater crushing rotor, realizing the perfect combination of low cost, energy saving and high efficiency. The final products are with cubic shapes, furthermore, it adopts No-board connection, easy to be checked.



故障维修 Maintenance

1、振动异常

原因：1.物料过大；2.板锤磨损不均；3.转子不平衡；4.基础处理不当。

排除方法：1.可以检查一下进料尺寸；2.更换反击锤头；3.检查地脚螺栓并加固。

2、出料过大

原因：由于衬板或板锤磨损过多，引起间隙过大。排除方法：通过调整前后反击架间隙或更换衬板和板锤。

3、机器内部产生敲击声

原因：1.不能破碎的物料进入机器内部；2.衬板紧固件松弛，板锤撞击在衬板上；3.板锤或其他零件断裂。

排除方法：检查机身，清除异物，紧固衬板或更换零件。

4、轴承温度过高

原因：1.润滑脂过多或不足；2.润滑脂脏污；3.轴承损坏

排除方法:1.检查润滑脂是否适量；2.清洗轴承后更换润滑脂；3.更换轴承

1.Abnormal vibration:

The reasons of abnormal vibration: 1.Big material; 2.Hammer meets uneven wear; 3.Unbalance rotor; 4.Unfair base;

solving maintenance:1.Checking the feeding opening; 2.Change the hammer; 3. Check in the anchor bolt.

2.Too big discharge port

Reasons: Clearance between impact plate and blow bar is too big because of damaged impact plate. Maintenance: To adjust the clearance between impact plate and blow bar.

3.Knocking noise in the machine.

Reason:

1. The material that cannot crush fell into inside of the machine
2. Relaxed liner makes the blow bar impact the liner. 3. Broken blow bar.

Maintenance: checking in the machine and changing parts.

4.Bearing temperature

Reason:

1. Excessive or insufficient grease; 2. Stain grease; 3. Damaged main bearing;

Maintenance:

1. Check in the amount of the grease; 2. Clean the main bearing;
3. Change the main bearing;



工作原理 Working Principle

反击式破碎机是一种利用冲击能来破碎物料的破碎机械。工作时，在电动机的带动下，转子高速旋转，物料进入板锤作用区时，与转子上的板锤撞击破碎，后又被抛向反击装置上再次破碎，然后又从反击衬板上弹回到板锤作用区重新破碎，此过程重复进行，物料由大到小进入一、二、三、反击腔重复进行破碎，直到物料被破碎至所需粒度，由出料口排出。调整反击架与转子之间的间隙可达到改变物料出料粒度和物料形状的目的。

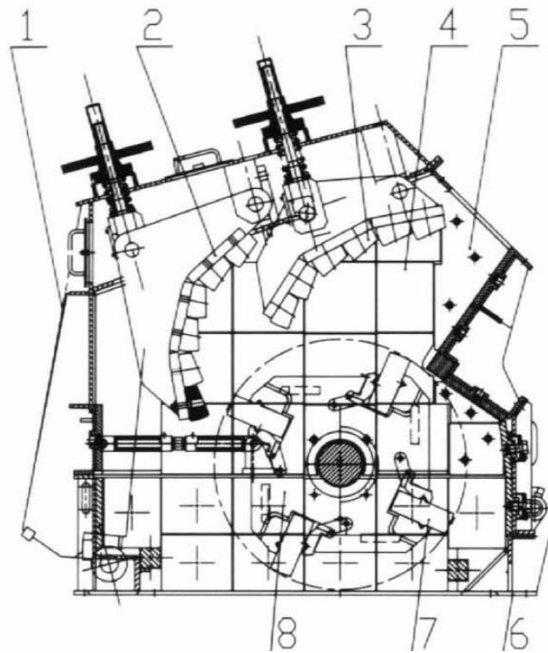
Impact crusher uses impact energy to crush materials. When Impact crusher works, under the driving force of motor, the rotor rolls at a high speed with the blow bar on it hitting the material into pieces, and then the material will be thrown toward the impact device and then to the blow, so it will be crushed again. This process repeats until materials are crushed to the requested size. The product size and output can be controlled by adjusting the clearance between impact plate and blow bar.

产品规格 Specification

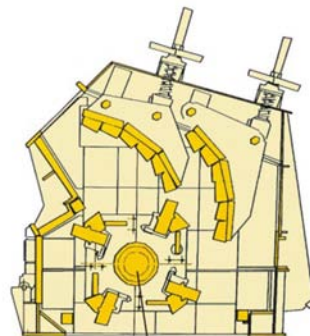
型号 Model	进料口尺寸(mm) Feeding Opening	最大进料边长(mm) Max. Feeding Size	处理能力 Capacity(t/h)	电机功率 Power of Motor(kw)
PF-1007	400x730	260	25-60	55
PF-1010	400x1080	260	50-90	55-75
PF-1210	400x1080	300	70-130	110-132
PF-1214	400x1430	300	90-180	132-160
PF-1315	860x1520	350	120-250	180-220
PF-1318	880x2000	350	150-260	220-260
PF-1320	900x2030	500	160-350	280-300
PF-1520	1315x2040	700	300-500	400-450

结构图
Structure

产品图片
Product Pictures



- 1.后箱体 Rear Case
- 2.反击衬板 Impact Plate
- 3.反击架 Impact Rack
- 4.衬板 Scale Board
- 5.进料口 Feed Opening
- 6.底座 Chassis
- 7.板锥 Blow Bar
- 8.转子 Rotor



- 生产现场
- Products on site



生产现场
Products on site



企业介绍
Enterprise Introduction

上海山启机械制造有限公司是中国知名的破碎筛分设备制造商。我们为客户提供全系列破碎筛分设备，包括圆锥破碎机颚式破碎机、反击式破碎机、立轴冲击破碎机(制砂机)、移动式破碎站和振动筛，我们不仅为客户提供高性价比的产品，还提供一流的服务支持及解决方案。我们的破碎设备在大量的基础建设工程中得到应用，另外,成套设备已出口到俄罗斯、蒙古、中亚、非洲等国家和地区。

公司拥有多名国内破碎筛分的专家，具有强大的新产品研发能力。公司非常重视国际技术交流与合作，先后引进了美国、德国、澳大利亚等国家的先进技术和工艺，拥有生产设备百余台套。时刻关注新产品、新技术的研发，并成立了砂石机器和选矿设备的研究室。



■ ■ 企业介绍
■ ■ Enterprise Introduction

山启机械 ■ ■
Shunky Machinery ■ ■

Shanghai Shunky Machinery Co. Ltd is a famous manufacturer of crushing and screening equipments in China. We provide our customers complete crushing plant, including cone crusher, jaw crusher, impact crusher, VSI sand making machine, mobile crusher and vibrating screen. What we provide is not just the high value-added products, but also the first class service team and problems solution suggestions. Our crushers are widely used in the fundamental construction projects. The complete crushing plants are exported to Russia, Mongolia, middle Asia, Africa and other regions around the world.

We have many crusher experts who are capable of new products searching and developing. We pay high attention on the international communication and cooperation and introduced advanced technology from Germany, America and Australia these years. We also have built research room in our company.



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PRODUCE PERFECT PRODUCTS SHUNKY MACHINERY TAKES THE LEAD IN THE WORLD