



PFW系列欧版反击式破碎机

PFW Series Euro-style Impact Crusher

进击的不仅仅有速度还有规模
Advance forward in both speed and scale



PFW系列欧版反击式破碎机

PFW Series Euro-style Impact Crusher

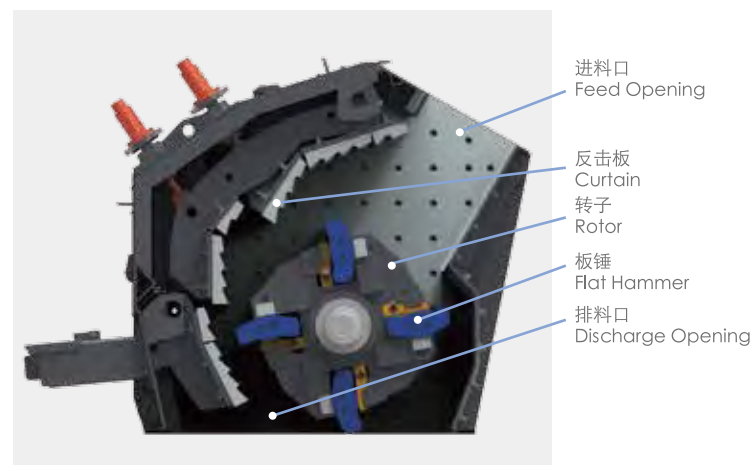
进击的不仅仅有速度还有规模
Advance forward in both speed and scale

工作原理

Operational Principle

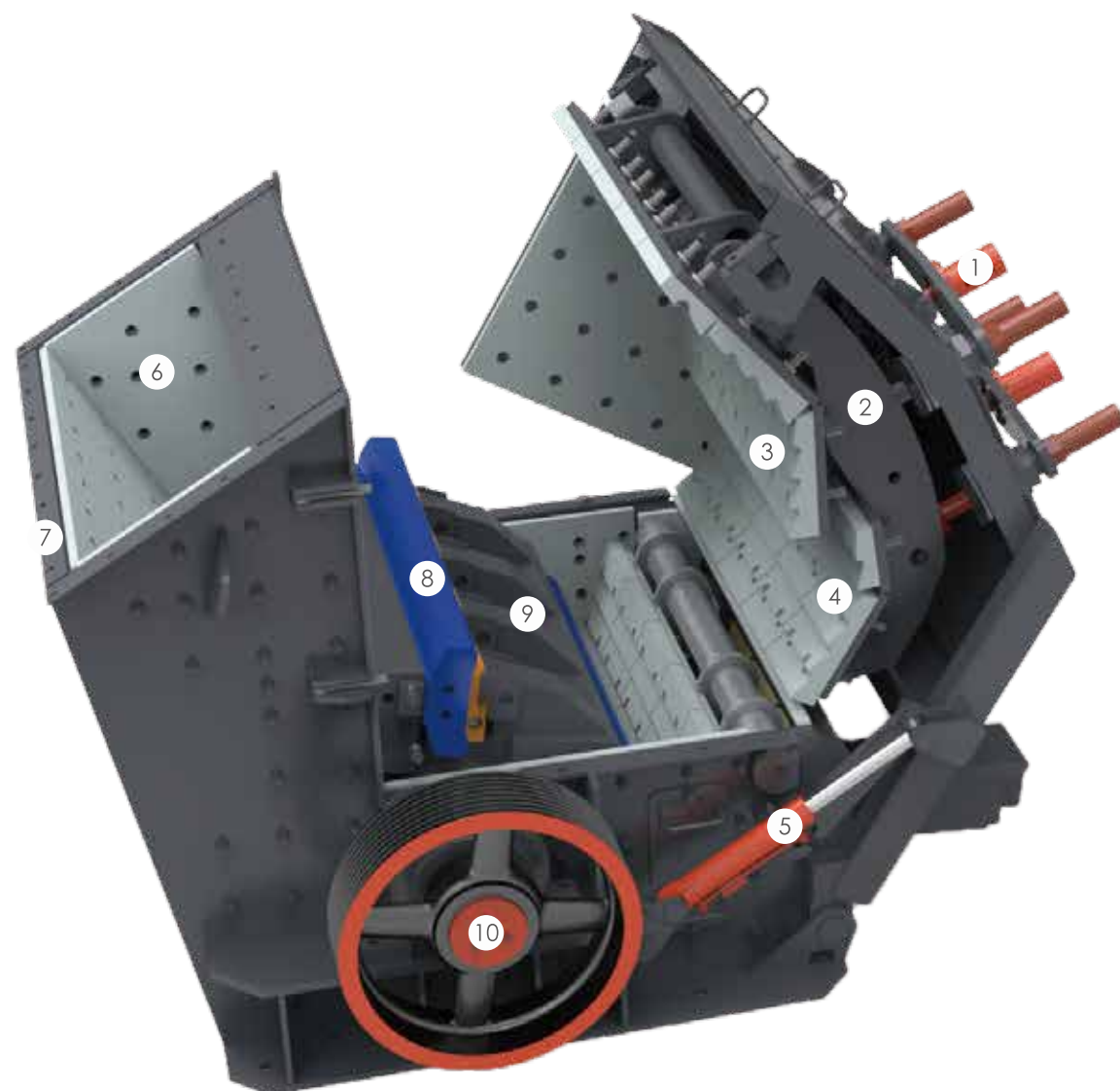
欧版反击式破碎机是一种利用冲击力来破碎物料的破碎机械。当物料进入板锤作用区时，受到板锤的高速冲击而破碎，并被抛向安装在转子上方的反击装置上再次破碎，然后又从反击衬板上弹回到板锤作用区重新破碎。此过程重复进行，直到物料被破碎至所需粒度，由机器下部排出为止。调整反击架与转子架之间的间隙可达到改变物料粒度和物料形状的目的。

This machine crushes materials with impact force. When the materials enter the blow bar area, they are crushed by the high-speed rotor, then are thrown to the impact plates on the rotor for secondary crushing. Next material rebound to the rotor be crushed again. Thus process continues till the material be discharged. The size and shape of final product can be changed by adjusting the gap between the impact plate shelves and rotor.



-----主要结构-----

Detailed structure:



- 1—液压调整装置 Hydraulic Regulation Device
- 2—后机架 Rear Frame
- 3—反击衬板 Impact Plate
- 4—反击架 Impact Rack
- 5—液压起顶装置 Hydraulic Jacking Device

- 6—机架衬板 Lining Plate
- 7—前机架 Front Frame
- 8—板锤 Hammer Bar
- 9—转子 Rotor
- 10—轴承盒 Bearing House

PFW系列欧版反击式破碎机性能特点

PFW Series Euro-style Impact Crusher Characteristic Feature

先进的制造工艺 高端的制作材料 Advanced manufacture process and high-end fabrication material

设备的重要部件采用了先进的机加工工艺和热处理工艺，反击板由高耐磨材质铸造而成，且在反击面上装有衬板结构，极大地提高了反击板的耐磨性能。板锤由高铬材料与耐磨材质复合工艺浇注而成，并经过严格的热处理，具有良好的抗机械冲击、热冲击性能。

对称板锤设计可以充分利用板锤，延长寿命一倍。

Key components of the equipment are made of advanced machining and hot treatment processes. Counterstrike board is casted by high wear resistant material and the impact face is provided with a lining structure, largely improving the wear resistance property of the impact plate. Board hammer is poured by the process integrating with highchrome material and wear-resistant material and processed by the rigid thermal treatment, having fine machine impact resistance and thermal impact resistance properties.

It makes fullest use of the Hammer bars with symmetric design, which can extend the working life about two times than the old design.



重型化的转子设计 严密的检测方法 Heavy rotor design and tight test method

欧版反击破采用结构坚固的重型化转子以获得更高的转动惯量和反击力，增强其破碎能力。并利用严密的检测方法对转子进行表面、近表面和内部缺陷进行检测，以保证其高质量，从而提高转子的使用性能。

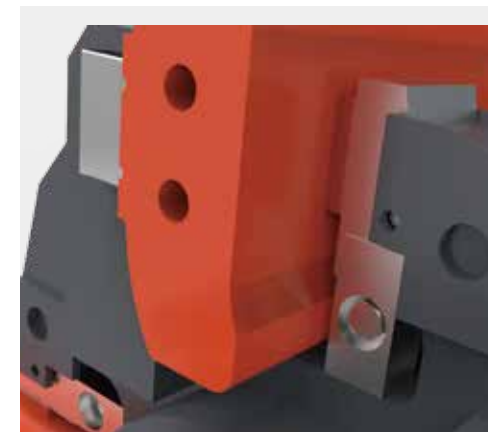
The European Style impact crusher adopts a rigid heavy rotor to gain more rotary inertia and counterforce to increase the crushing capacity; and is tested by the tight test method on the defect on the surface, near surface and inner surface to ensure its high quality and improve the rotor performance.



可靠的楔块固定方式 Reliable wedge fixing mode

PFW反击式破碎机的板锤通过一组楔块固定在转子上，楔块从横向和纵向同时锁紧板锤，紧固扭矩更大，使板锤的安装和更换简单快捷，也消除了螺栓固定板锤时的磨损问题。

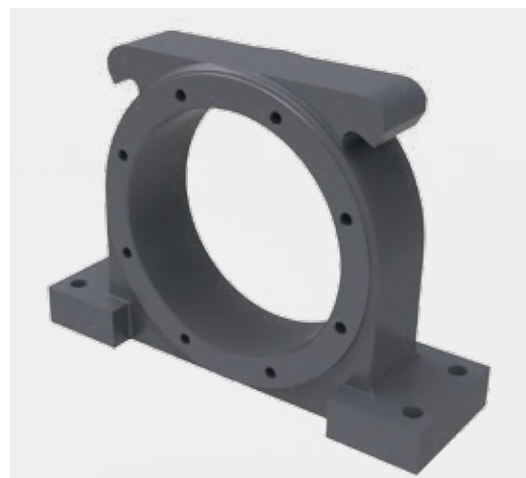
The flat hammer of PFW impact crusher is fixed on the rotor by a group of wedge blocks. The wedge block tightly locks the flat hammer from horizontal and vertical directions and needs more fastening torque to enable the flat hammer installed in a simple and convenient way and eliminate abrasions from the flat hammer fixed by bolts.



整体式的铸钢结构轴承座 Overall type cast steel structure bearing base

整体铸钢轴承座能够保证与破碎机架完全配合，同时也大大增强了轴承座的径向强度，提高了它的抗负荷能力，而分体式轴承座则不具有该优点。

The overall cast steel bearing base is fully matched with the crusher, and largely increases the radial strength of the bearing base and improves anti load resistance capacity; while the split type bearing base is out of these advantages.



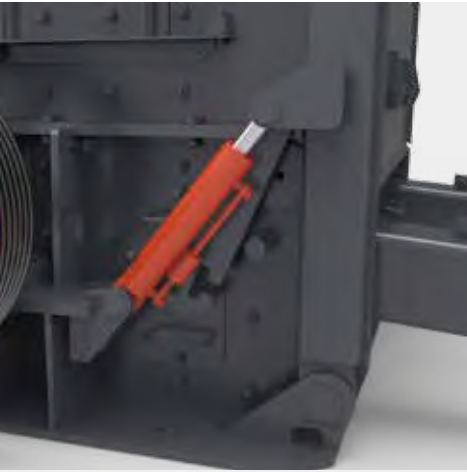
弹簧保险装置（已申请国家专利）
Spring safety device
(Application has submitted for state patent)

反击板后采用恒压力弹簧保险装置，当非破碎物进入破碎腔后，前后反击架后退，非破碎物从机内排出，恢复正常工作，消除了机器卡死的隐患。

When iron or other hard material that can't be crushed, be fed in the crushing chamber, the front and rear impact shelves will be pushed back, so the hard material will be discharge,the impact crusher resume production and eliminate the blocking risk.



弹簧保险装置
Spring safety device



液压开顶装置
Hydraulic jacking device

液压开顶装置 液压调节排料口
Hydraulic jacking device and hydraulic regulated
discharging port

PFW系列反击式破碎机两侧装有液压系统，既能打开机架又能作为排料口的调节装置，可迅速地完成锤头等易损件的更换和机器排料口的调节，节省了人力劳动和时间。

PFW series impact crusher is installed with hydraulic system at both side. This system can be used for opening the cavity and adjusting the discharge port. It makes changing spare part more easy ,reduce time and human labour.



技术参数：
Technical Parameters:

型号 Type	规格 Specification	进料口尺寸 Feed port size (mm)	最大进料粒度 Maximum feed granularity(mm)	生产能力 Productivity (t/h)	装机功率 Installed capacity (kw)	外形尺寸 External dimensions (mm)
PFW1214II	Φ1150X1400	1100X1430	500	130-200	132-160	2400X2310X2550
PFW1315II	Φ1300X1500	1200X1530	600	180-320	160-200	2700X2570X2800
PFW1318II	Φ1300X1800	1200X1830	700	240-400	200-250	2700X2870X2800
PFW1415II	Φ1400X1500	1450X1530	700	300-480	200-250	2900X2700X3000

two-chamber 二腔参数

型号 Type	规格 Specification	进料口尺寸 Feed port size (mm)	最大进料粒度 Maximum feed granularity(mm)	生产能力 Productivity (t/h)	装机功率 Installed capacity (kw)	外形尺寸 External dimensions (mm)
PFW1214III	Φ1150X1400	570X1430	250	90-170	132-160	2550X2310X2100
PFW1315III	Φ1300X1500	625X1530	300	180-270	160-200	2960X2570X2380
PFW1318III	Φ1300X1800	625X1830	300	220-300	200-250	2960X2870X2380
PFW1415III	Φ1400X1500	800X1530	350	280-350	200-250	3120X2650X2660

three-chamber 三腔参数

