PFW系列欧版反击式破碎机

PFW Series Euro-style Impact Crusher

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

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工作原理
Operational Principle

欧版反击式破碎机是一种利用冲击能来破碎物料的破碎机械。当物料进入破碎腔后，受到板锤的直接冲击而破碎，并被抛向反击板上被反弹到破碎锥上破碎，然后又从反击板上弹回到板锤作用区重新破碎。此过程重复进行，直到物料破碎到所需程度，由机下排出为止。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 area, they are crushed by the high-speed rotor, then are thrown to the impact plates on the rotor for secondary crushing. Next material rebounds to the rotor and is crushed again. This process continues until 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.

进料口
Feed Opening

反击板
Curtain

转子
Rotor

锤头
Hammer

排料口
Discharge Opening
Detailed structure:

PFW Series Euro-style Impact Crusher Characteristic Feature

Advanced manufacture process and high-end fabrication material

Key components of the equipment are made of advanced machining and heat 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 high-chrome 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.

1.液压调整装置 Hydraulic Regulation Device
2.后机架 Rear Frame
3.反击板 Impact Plate
4.反击板 Impact Rock
5.液压提升装置 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.机壳 Bearing House
重型化的转子设计 严谨的检测方法
Heavy rotor design and tight test method

The European Style Impact crusher adopts a rigid heavy rotor to gain more rotary inertia and counterclock 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.

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

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.

可靠的模块固定方式
Reliable wedge fixing mode

PPW 反击式破碎机的推杆通过一组楔块固定在转子上，模块从模块短和模块长 时简单方便，使模块的安装和更换简单快捷，也消除了螺栓固定模块时的磨损问题。

The flat hammer of PPW 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.
Spring safety device
(Application has submitted for state patent)

When iron or other hard material that cannot be crushed, be fed in the crushing chamber, the front and rear impact plate will be pushed back, so the hard material will be discharged, the impact crusher resume production and eliminate the blocking risk.

Technical Parameters:

<table>
<thead>
<tr>
<th>Type</th>
<th>Specification</th>
<th>Feed port size (mm)</th>
<th>Maximum feed粒度直径 (mm)</th>
<th>Production capacity (t/h)</th>
<th>Installed capacity (Kw)</th>
<th>External dimensions (mm)</th>
</tr>
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<td>PFW1214</td>
<td>1100X1400</td>
<td>1100X1430</td>
<td>500</td>
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<td>700</td>
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<td>200-250</td>
<td>2900X2700X3000</td>
</tr>
</tbody>
</table>

PFW series impact crusher is installed with hydraulic system on 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.

液压开闭装置
Hydraulic jacking device

液压调节排料口
Hydraulic jacking device and hydraulic regulated discharging port