



Features of Hammer Crusher

性能及特点》》

锤式破碎机具有生产能力高、破碎比大、电耗低、产品粒度均匀、机械结构简单、紧凑轻便、投资费用少、维修简单、管理方便等优点。

Hammer Crusher is characterized by high capacity, high crushing ratio, uniform particle size, simple structure, low investment, easy management and maintenance.

Performance and Parameter

性能及参数》》

PC系列普通型破碎机 PC Series ordinary Type Crusher

型号 Type	PC400x300	PC600x400	PC800x600
转子直径 /mm Rotor Diameter	400	600	800
转子宽度/ mm Rotor Width	300	400	600
转速 r/min Rotor Speed	1100	1000	970
最大给料粒度/mm Max Feeding Size	<100	<220	<350
出料粒度/mm Finished particle size	5-10	5-15	5-20
处理能力t/h Capacity	3-8	8-15	15-30
功率/KW Power	11	18.5	45
锤头数量 /Hammer Number	16	20	28
设备重量 /t Weight	0.8	1.8	2.8
外形L*W*H/mm Outlay Size	855*795*860	1150*1095*1230	2360*1490*1415

Hammer Crusher

锤式破碎机》》

锤式破碎机是利用高速回转锤子的打击作用来破碎物料的设备。它适用于冶金、矿山、化工、水泥、建筑、耐火材料及陶瓷等行业，可对重晶石、石灰石、石膏、水磨石、煤炭、矿渣等各种软硬矿石进行中碎和细碎作业。

Hammer crusher is equipment using high-speed rotary hammers to crush materials, mainly applied to the industries of metallurgy, mining, chemistry, cement, construction, refractory materials and ceramics. It can crush hard and soft ores into medium or small size, such as barite, limestone, gypsum, terrazzo, coal, slag, and up to 100 different kinds.



Working Principle

工作原理》》



锤式破碎机主要由机壳、转子、承击铁和筛条等部件组成，机壳分上下两部分，由钢板切割后焊接而成。机壳内部有高锰钢衬板，磨损后可以更换。其主轴上安装有数组分布规则的锤子，与转盘及穿锤轴组成转子。电机驱动转子旋转，锤子受到旋转时所产生的离心力向四周伸开，大块物料从进料口进入破碎腔之后，便被高速运动的锤子击碎。破碎合格的物料从底部筛条间的缝隙排出，不合格的则留在破碎腔内，被锤子反复打击，直至能够排出。

Hammer crusher mainly consists of frame, rotor, support iron and grate bars. The frame is divided into two parts: upper part and lower part which are welded by steel plates after being cut. Liners made of high manganese steels within the frame can be replaced after being worn out. The rotors consist of the turnplate, pin shafts, and hammers which are grouped regularly in the main shaft. The motor drives the rotors to rotate quickly in the crushing cavity, and hammers spread outward as a result of centrifugal force from the rotation of the rotors. Large materials entering the crusher through the feed inlet are stricken, impacted, cut and ground by the high-speed hammers to small size. Qualified materials crushed will be screened out and exit from the gap of the grate bars while the unqualified will be left in the crushing cavity to be further hammered and ground until reach the standard size. The size of the final product can be adjusted by changing the grate bars. The gap between the rotors and the grate bars can also be adjusted according to different requirement.