



中再生纽维尔资源回收设备（江苏）有限公司
CHINA RECYCLING NEWELL EQUIPMENT (JIANGSU) CO.,LTD.

纽维尔预破碎机 Newell Pre-Shredder



预破碎机是由高速转子、低速转子、侧压料板、驱动装置、机体支撑框架等部件组成。两个转子由液压驱动，相互独立控制，可实现正反转，产生拉伸及撕扯作用。

预破碎机适用于金属打包压块、报废车辆、轻抛金属废料的处理。通常配置在破碎机前端，以控制进入破碎机原料的大小，实现均一进料，有效提高破碎机产能，降低锤头等铸件的消耗。

The pre-shredder is composed of high-speed rotor, low-speed rotor, side press plate, driving device, body support frame and other components. The two rotors are hydraulically driven and controlled independently of each other, which can realize positive and reverse rotation and achieve tensile and tearing effects.

The pre-shredder is applicable for the process of scrap bales, scrapped automobiles and light metal scrap. Normally, it is equipped in front of the scrap shredder to control the size of materials entering into the shredder, which can achieve the uniform feeding, effectively improve the shredder capacity, and reduce the consumption of castings, like hammers etc.,

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*From the design stage to implementation,
we have all your metal recycling needs covered.*



工艺流程 Procedure

物料由抓钢机抓取，并向预破碎机喂料。压块物料在重力的作用下物料落到第一个转子。低速转子上的齿抓住物料并且挤压，同时将物料均匀一致的送往下部的高速转子。

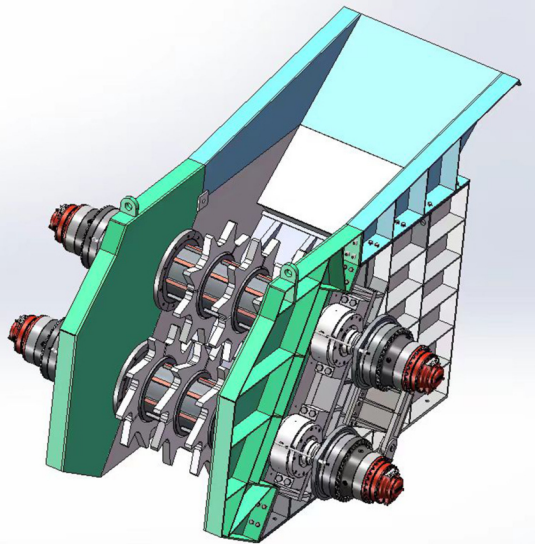
物料从低速转子喂入反向旋转的高速转子时，物料会持续拉伸及撕扯，从而生产出均衡的易于破碎的原料，并且在高速转子的旋转下向出口口移动。

低速转子的斜槽处的侧压料板是可以活动的，允许大块物料或者压块进入喂料槽，并且将这些物料向低速辊挤压。压料板由一个液压油缸驱动，可以自动或者由操作员手动操作。

The scrap bales are grabbed by the material handler and fed into the pre-shredder. The scrap bales fall on the low speed rotor (LSR) under the action of gravity, and the tooth on the LSR grab the material and send the scrap bales to the high speed rotor (HSR).

The scrap is stretched and torn as it is fed by the LSR into the counter rotating teeth of the HSR and creating a uniform material, which will be easy to be shredded and processed. And then the scrap moves towards the discharge port under the rotation of HSR.

In the feeding chamber, there is a movable flap in the bottom area. The flap in the rear wall of the feeding chamber can tilt in a lower position in its upper part, allowing the insertion of particularly bulky material like bales, cars, etc. The press flap can function autonomously as required or under the operator's command. The swinging-floor is activated through a hydraulic cylinder.



预破碎机作用 Advantage

- 消除在破碎机腔体发生爆炸和着火的可能性；
Eliminate the possibility of explosion and fire in the shredder.
- 检测不可破碎物，避免破碎机卡料停机；
Detect the unshreddable material and avoid the material stuck, which may cause the shredder shut down.
- 提高破碎机效率，降低破碎过程能耗；
Reducing shredding time and improving shredder production and reduce energy consumption.
- 为破碎机提供预破碎处理，实现均一喂料，消除能耗高峰；
Provide the pre-shredding for shredders, uniform the granularity of materials, and eliminate the energy consumption peak.
- 显著延长破碎机侧衬板、格栅、锤头的使用时间；
Extend the service life of side plates, grates and hammers significantly.
- 通过处理整车或废钢压块，增强小型破碎机的处理能力。
Enhance the processing capacity of small shredders by processing the complete vehicles or scrap bales.

技术规格 Specification

型号 Type	总功率 (KW) Power	进料口宽度 (mm) Feed width	产能 (T/H) Capacity
CRNE-PS180	400	1800	废钢压块 Bales 30-50 (压块密度 density 51.2t/m³)
CRNE-PS200	700	2000	废钢压块 Bales 40-80 (压块密度 density 51.2t/m³)
CRNE-PS250	600-900	2500	废钢压块 Bales 40-120 (压块密度 density 51.2t/m³)

产品规格若有变更，恕不另行通知。

We reserve the right to change specifications without prior notice.

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