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Plastic Shredder & Crusher Recycling Line





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- Suitable for rough crushing of waste plastic products such as: hard plastic sheets (such as ABS, PE, PP sheets), pipes (such as PE, PVC pipes), packaging materials, etc.
- Equipment features
Efficient crushing: Using high-speed rotating blades to impact, shear, and tear materials, with a single axis design to improve crushing efficiency.
- Low noise: The all steel frame is matched with sound insulation materials, and the operating noise is lower than industry standards.
- Durability: The alloy steel blade has undergone special heat treatment, resulting in strong wear resistance; The knife holder adopts heat shrink treatment process to enhance stability.





Belt Conveyor

The belt conveyor equipment transports waste plastics to the crusher. Belt options: PVC belt or rubber belt. Belt conveyors can be equipped with variable frequency control to more effectively control feed output. (Can be equipped with variable frequency control)



Double/Single Shaft Shredder Machine

Single/Double shredder machine is a solid waste treatment equipment used for coarse crushing, volume reduction, or pretreatment. It mainly cuts, tears, and squeezes materials through cutting tools.



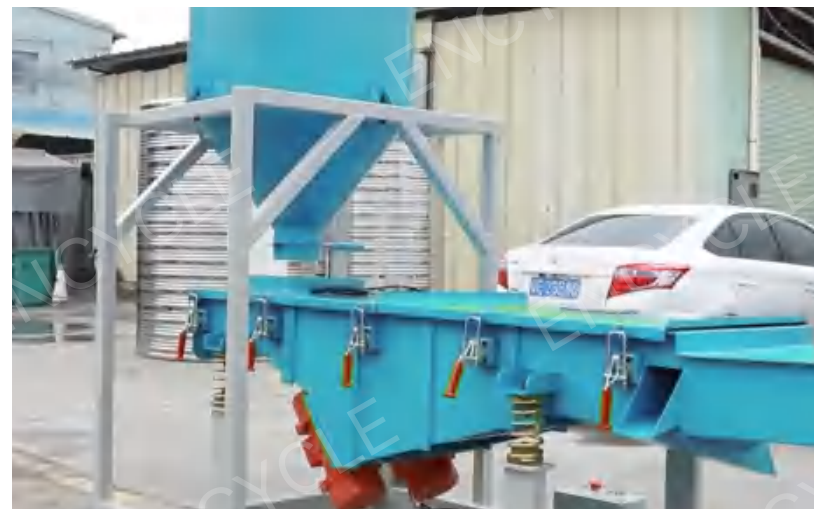
Crusher Machine

Crusher M is a device that uses mechanical force to reduce the particle size of solid materials, and is widely used in fields such as building materials, chemical engineering, and environmental protection. According to different crushing principles and structures, crushers can be divided into various types, but their core work goal is to crush large materials into smaller particles that meet the requirements.



Recovery System

The crushed particles are automatically recovered without the need for manual intervention. Dust collectors or dust collection devices are installed on the exhaust outlet to absorb dust and prevent air pollution.



Vibrating Screen

Using equipment such as vibrating screens and drum screens, the crushed material is divided into different specifications of aggregates such as 0-5mm, 5-10mm, 10-30mm, etc. based on particle size. This process is a prerequisite for recycling and directly affects the quality and application scenarios of recycled materials.



Dust removal system

The dust separation recovery system is used in conjunction with the plastic crusher, and the plastic crusher will generate a certain amount of fine dust during the crushing process. The function of the dust separation recovery system is to separate the dust, so that the performance of the recycled material particles is consistent with the new material, thereby improving product quality and reducing production costs.