

ENCYCLE

www.ecoencycle.com

PP PE HDPE Hard Material Recycling Washing Line





conveyor



Shredder



Secondary crushing



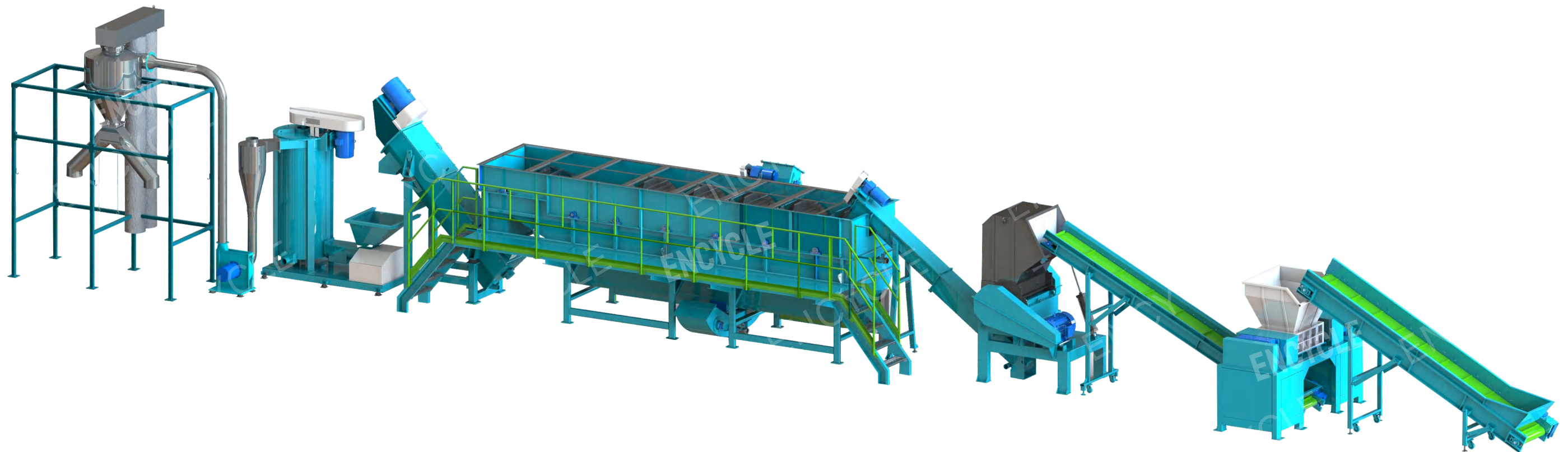
Rinsing tank



Friction cleaning
machine



Dehydrator



PP PE HDPE Hard Material Recycling Washing Line

The plastic crushing, cleaning and recycling production line is an automated equipment system used to process waste plastics and realize resource recycling. Its core function is to convert various types of waste plastics (Hard plastics, such as PET, HDPE, PP, PS, etc., are widely used in packaging, construction, home furnishing, electronics and other fields) into clean recycled plastic raw materials through a series of processes such as crushing, cleaning, and dehydration for reprocessing and reuse.

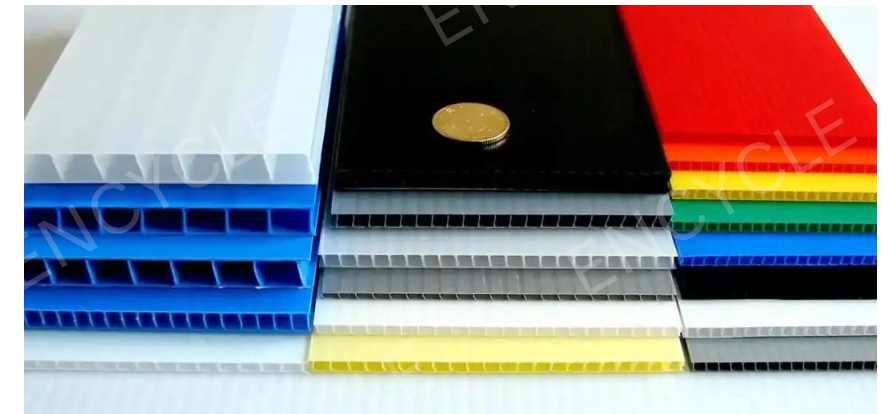
- High degree of automation: The whole line adopts automatic control, and each unit operates in conjunction with each other, which can realize the automatic operation of the whole process from feeding, crushing, cleaning, sorting to dehydration, reduce manual intervention, and improve production efficiency and product quality.
- Good cleaning effect: The high-speed centrifugal cleaning system applies corresponding blade striking force to different materials at a suitable rotation speed. Combined with the use of cleaning agents, it can effectively remove stubborn stains on the surface of plastics and achieve high cleanliness of the washed materials.
- Energy saving and environmental protection: The circulating water system is used to reduce water consumption while ensuring the cleaning effect; the mechanical operation details of the crushing, cleaning and drying links are optimized and adjusted to avoid material loss due to excessive processing; some production lines can also be equipped with sewage and wastewater treatment systems to precipitate and filter sewage for recycling and reuse to meet environmentally friendly emission standards.
- Customizable: Equipment can be combined and configured according to different customer needs, such as processing volume, plastic type, site space, etc., and different cleaning plans, recycling plans and site plans can be designed. The production capacity is generally between 500KG/H-5000KG/H.



Chemical bucket



Plastic crate



Plastic board



Daily miscellaneous bottles



Plastic bucket



Plastic products