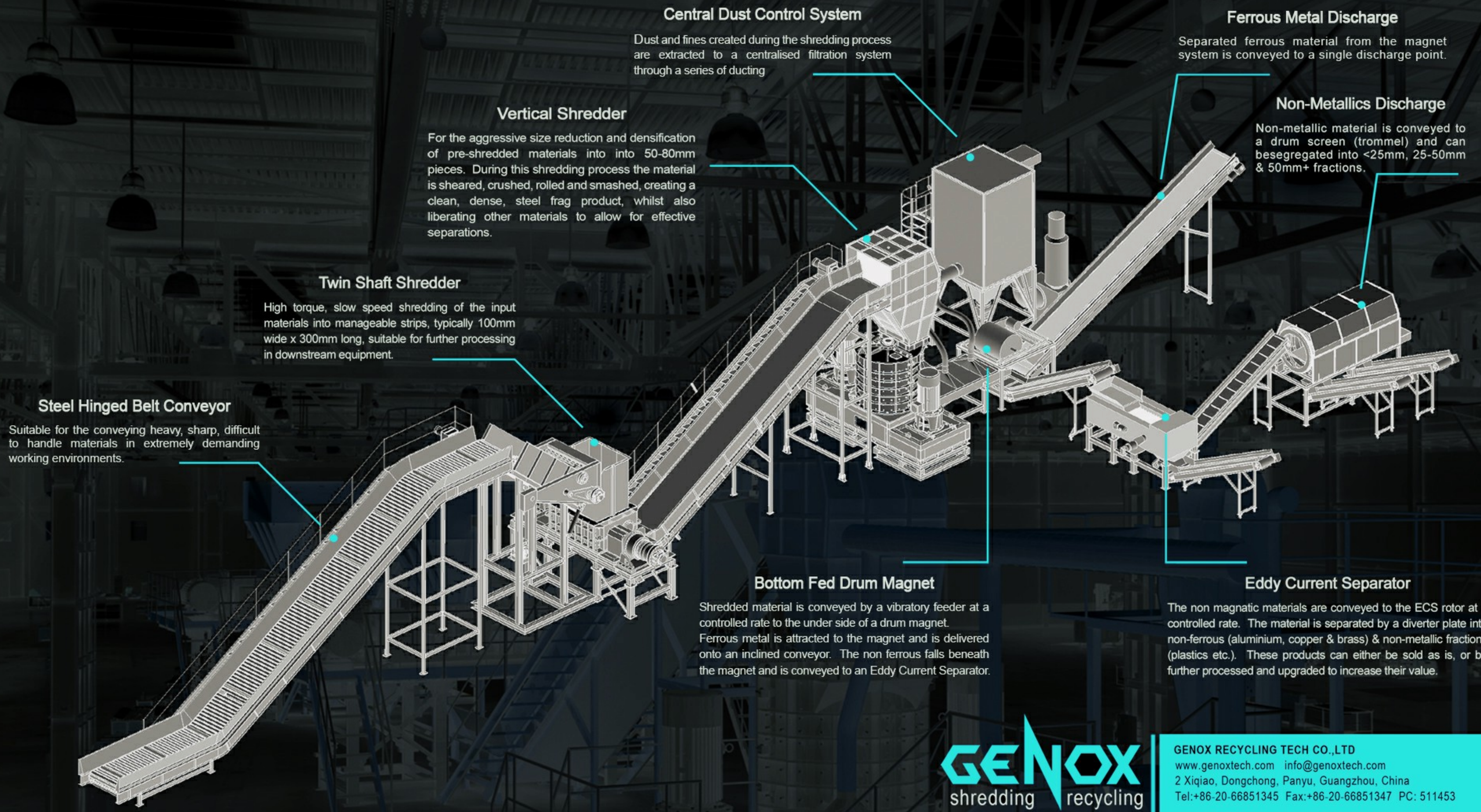


DESIGN & FEATURES



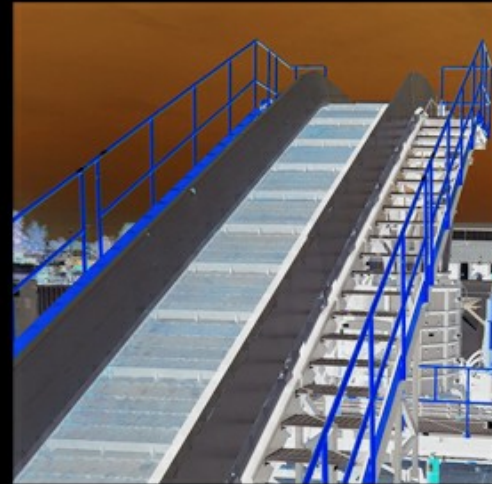
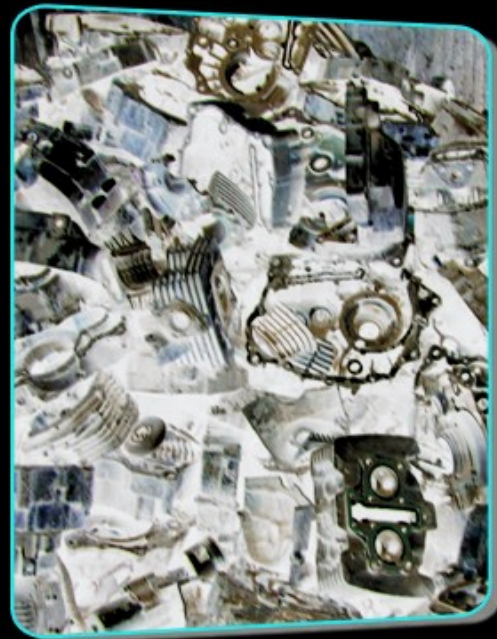
METAL RECYCLING



METALS RECYCLING SYSTEMS

GENOX METAL RECYCLING TECHNOLOGY

Our advanced Metals Recycling Plants are often installed at scrap metal recycling facilities for the processing of various different metallic waste streams. Typical applications for these robust, maintenance friendly systems includes; light iron scrap, ELV's (vehicle shells and body panels), steel drums, white goods (refrigerators, washing machines etc.), electronic scrap & computer waste (WEEE / E-Waste), and various other metal containing materials. Following the pre-shredding stage, the shreds are further reduced in size and densified by the Vertical Shredder. During this process non-ferrous and non-metallic materials are liberated allowing them to be effectively separated. Drum magnets and eddy current separators (where required) sort the shredded product into their respective categories - ferrous, non-ferrous & non-metallics. The resulting steel frag product is both clean and compact with a high bulk density, which is ideal for sale and for minimising transportation costs.



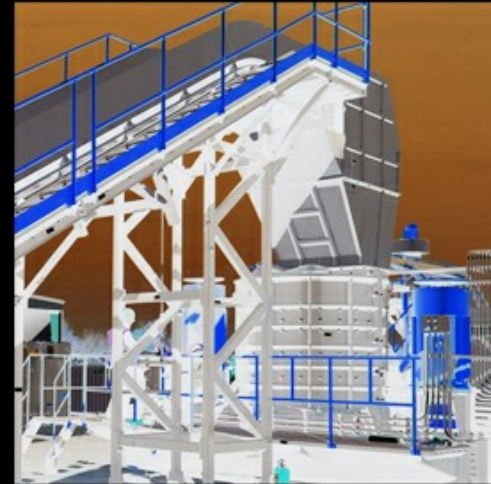
Steel Hinged Belt Conveyor

Steel Hinged Belt Conveyors are suitable for the continuous conveying of heavy, high impact, abrasive materials. Reliable operation is ensured even when applied in the most demanding of applications. Heavy duty side frames isolate the material from the belt edges and drive chains, reducing wear and tear on key components and ensuring longevity.



Pre-Shredding

XENO Series Twin Shaft Shredder operate at low speed and high torque to pre-shred the infeed material into manageable pieces before they enter into secondary processes. An optional hydraulic force feeder actively forces material into the cutting zone between the two rotating shafts. Segmented blades can be provided on request to facilitate quick and easy blade maintenance.



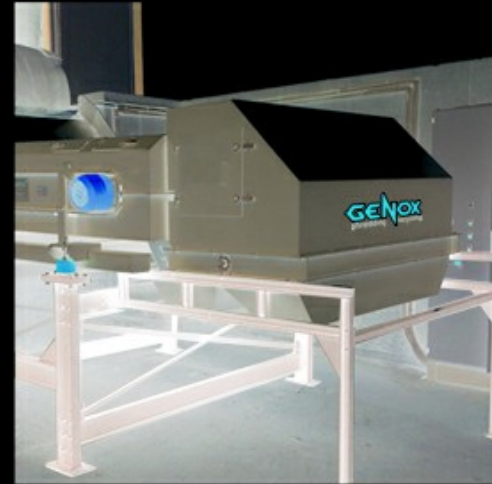
Secondary Shredding

OZMA Vertical Shredders are usually installed for the downstream processing of pre-shredded metal strips produced by twin shaft shredding systems. These machines aggressively size reduce, densify and clean the surface of the metallic materials, liberating different fractions and allowing for effective separations, whilst reduced transportation costs.



Drum Magnet Separator

Drum Magnet Separators are intended for the separation of magnetic ferrous metals from non-ferrous and non-metallic materials. These magnets are durable and low maintenance, suitable for installation in demanding ELV & WEEE recycling plants. They can also be applied for the removal of fine ferrous particles from powder or granular materials.



Eddy Current Separator

Eddy Current Separators are an optional system feature where separation of non-ferrous materials from the non magnetic material is required. The ECS unit is capable of separating non-ferrous fragments such as aluminium and copper, from domestic and industrial waste, and are frequently applied in ELV's & WEEE recycling processes.



Central Dust Collection

Common, centralised dust collection systems are provided beside the recycling lines to remove dust, fluff and fines created during the size reduction processes. The dust fragments are drawn off the system at various points and are discharged at a single, centralised location into collection bins, thus keeping the working environment clean and reducing the risk of fires.

