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# Metal Recycling System

Our system solutions cover a wide range of recycling applications.  
Genox USA specializes in providing customized designs for your specific recycling projects.



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# Metal Recycling System

## Features

- 1 Heavy duty, hinge belt conveyor is suitable for heavy loading and material impact, while being sealed to prevent leakage of material.
- 2 The high torque Pre-Shredder is equipped with large diameter splined shafts, high strength shredding discs, and oversized gearboxes to ensure system performance and reliability.
- 3 The Vertical Shredding System removes contamination on the surface of the steel (paint etc.) and compresses the scraps into nuggets. The bulk density of the product is maximized and EAF efficiency is greatly increased.
- 4 Separation and containment of the light fraction and fines is controlled by a central Reverse Jet Filtration System.
- 5 Water spray & misting systems are installed on key components to maintain processing temperatures at safe levels and to protect against fire.
- 6 System automation ensures that components actions are linked, the system capacity is maximized, and the system is protected against interfering material in the best way.

## Applications

- Car body shells
- Light metal scraps
- Waste from paper industry (ragger tails)
- Appliances and E Waste



Steel Hinged Belt Conveyor



Pre-Shredding



Sound-Proof



Secondary Shredding



Drum Magnet Separator



Central Dust Collection



more info