

CONSTRUCTION & DEMOLITION

Sorting Systems



Machinex Construction & Demolition Recycling Systems maximize recovery rates and material quality, as well as minimizing the volume of residual waste to be landfilled.



Our solutions are made to maximize the separation of commingled debris such as: wood, ferrous and non-ferrous metal, cardboard, plastics, polystyrene, gypsum, asphalt shingles, concrete rubbles and mixed rocks.

Systems Type

Machinex offers two types of systems in C&D recycling waste; either a dry or a wet system. Whether you prefer a pre shredding or a grapple loading, Machinex offers systems to achieve maximum recovery.

► Dry System

We can provide a wide range of dry C&D sorting systems, from simple manual sorting lines to full-blown wood grading optics.

► Wet System

The wet sorting system includes sink float tanks for high wood recovery rates.



Heavy fraction sinks while wood floats and gets clean.



Recovers nearly 98 % of incoming wood with a 99 % purity.

► Screening Equipment

Different types of screening separators to sort materials by sizes.



MACH C&D Screen



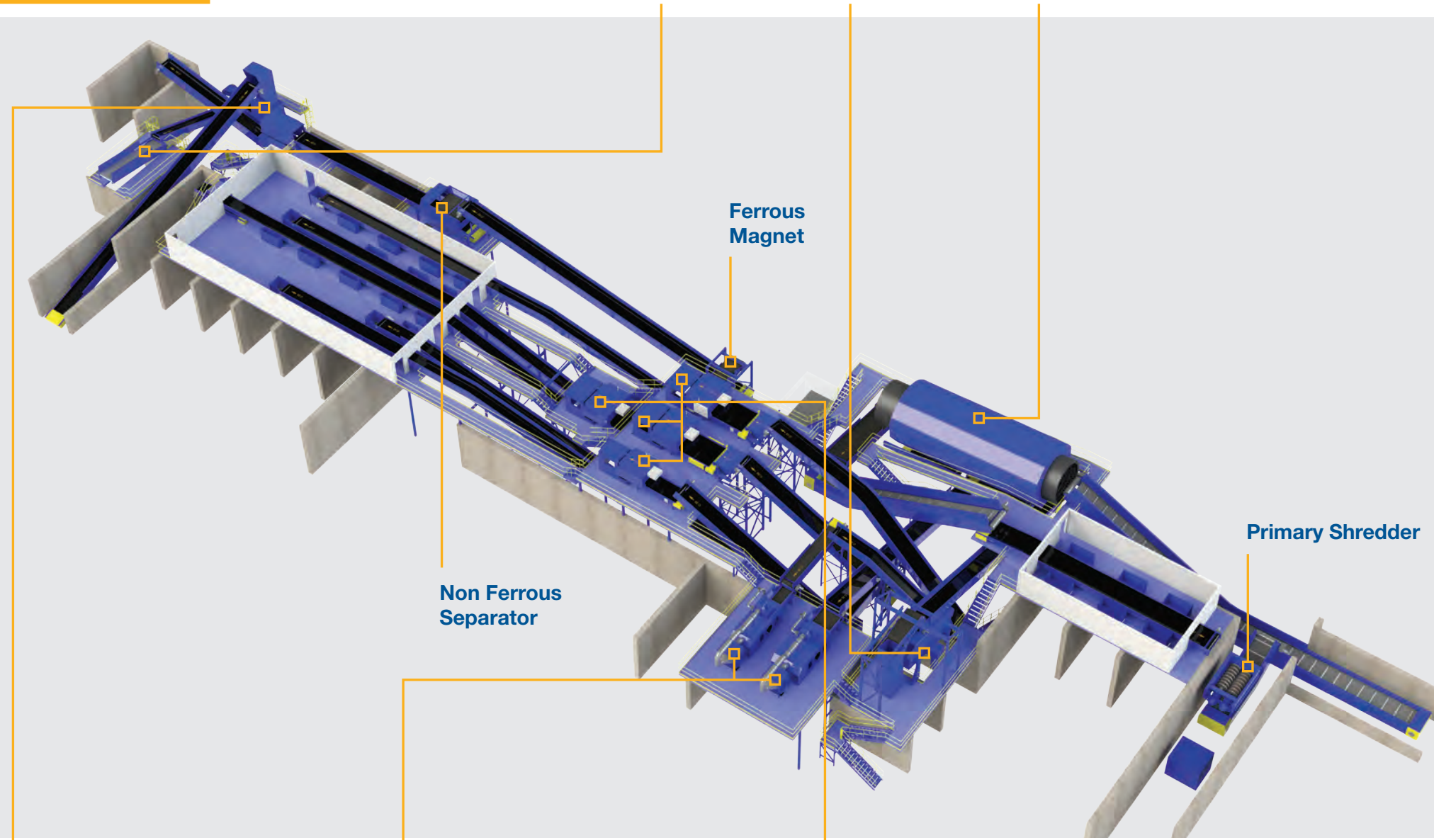
Flip-Flop Screen



3D Trommel



Vibrating Finger Screen



Dry system of a 50 TPH average

Wood Hog Shredder

Creates a variety of final wood products and expand markets.



MACH Vortex

This Machinex heavy-light separator sorts material based on density and shape with a very high throughput capacity.



► Optical Sorting for Wood – MACH Hyspec®

Machinex optical sorters have proven their accuracy and efficiency on wood sorting in C&D systems. The unique hyperspectral recognition technology detects the grades of wood: treated vs untreated.

Maximize efficiency & purity while minimizing operational and labor costs.



Sorting Technologies Expert

Machinex is an industry leader in engineering, manufacturing, and installing Material Recovery Facilities all around the world. As an expert in sorting technologies, Machinex provides turnkey systems, along with custom-built and flexible solutions, to help ensure our customers remain ahead of the competition.

Dedicated Service and Support

Service and support are paramount to overall operating success. In fact, having a single source just a phone call away is critical to ensure maximum plant uptime. Once your Machinex equipment is installed, our service & support team will be ready to assist you. They are 100% dedicated to the optimization of operations and are there to serve you!



Lee County C&D Recycling Facility, Fort Myers, FL

Customer's Experience

"Machinex has met our expectations with regards to design, construction, and installation of our Construction and Demolition Debris Recycling Facility; furthermore, our C&D recovery system has increased our recycling goals and has become part of our Integrated Waste Management Program."

– Tim Lamontagne, Public Utilities Manager, Lee County Solid Waste Division