

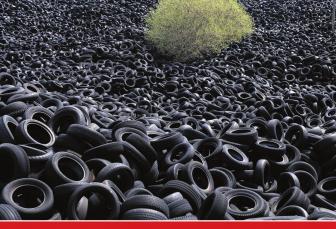


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TYRE RECYCLING











TYRE RECYCLING SYSTEMS

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TYRE RECYCLING SYSTEMS **DESIGN & FEATURES**



Pre-Shredding

M & X-Series Pre-Shredders are powerful S-Series Heavy Duty Raspers with serrated Overband Magnets mounted above conveyor The Recirculation System is a combination of first stage size reducers, capable of process- edged blades are aggressive secondary belts or vibratory feeders remove the converyors and a disc screening unit. ing complete car, truck and OTR tyres down processing machines and are well suited for liberated steel wire from the rubber crumbs. After the pre-shredding stage, material that into approximately 50-300mm shreds. They the size reduction of pre-shredded tyres. Due to the efficient cutting design of our passes through the screening unit is utilise twin low speed counter rotating shafts, During cutting the steel wire is liberated from Raspers, the resulting steel wire is extremely transported to the Heavy Duty Rasper for

prior to pre-shredding.



Secondary Size Reduction

Fuel) or used in various other applications. elements to ensure effective separations.



Steel Wire Separation



Recirculation System

operating with massive torque on the large the rubber allowing for effective separations. clean, containing very low levels of rubber diameter wear resistant blades.

The resulting rubber clips created by the contamination. Our steel separators that remains on top of the screen is returned De-beading of the tyres is not necessary Rasper can be sold as T.D.F. (Tyre Derived incorporate high strengh, rare earth magnetic via conveyort o the loading hopper of the Pre-Shredder for further size reduction.



Fine Granulation

the rotors aids cooling and promotes air flow further size reduction. controlled through screen size selection.



Product Classifying

through the cutting chamber, thereby Extraction equipment can be configured rubber crumb in a wide range of sizes.



Textile Separation

specific rotor designs are ideal for the third stage can be classified by size into different remaining textile from the rubber granulate. with take off points around the entire recycling automation of the recycling system. stage size reduction of rubber crumbs into product streams and oversized material then The aspirator units allow for adjustment and plant to remove dust and textiles created Touch Screen displays can be included to high quality granules. The open design of recirculated back to the granulators for fine tuning of air flow volumes on site during the pre-shredding, secondary size provide ease of access for system programenabling the effective separation of fluff from reduction, granulation, classifying, and textile ming, maintenance, and inspection initialization that build up diamine, indicated uses an an annual source and annual source fines. The output product size can be easily the removal of a portion of the textile from the below the classifiers to remove tramp metal filtration unit equipped with high efficiency further control and reduce on site electrical fines, ensuring high quality products.



Dust Collection

GXC-Series Granulators with their rubber Rubber granules from the fine granulation Zig-Zag Separation Systems remove the Central Dust Collection Systems are provided A Control Panel is supplied to provide full separation stages. The extracted dust and Motor soft starting and VFD's (variable replaceable filters and self cleaning system. demands, particularly during system start-up.



System Control Panel

GENOX TYRE RECYCLING TECHNOLOGY

amblent temperature processing, and don't create any form of second lants are easy to operate and maintain, requiring only basic traini ional costs are amongst the llowest in the industry.



Prior to delivery from our facility, all tyre recycling systems are assembled and rigorously tested under "real world" conditions, not only to ensure the plant capacity, but also that the quality of the finished products is guaranteed. Customers are most welcome and are encouraged to attend these trials to