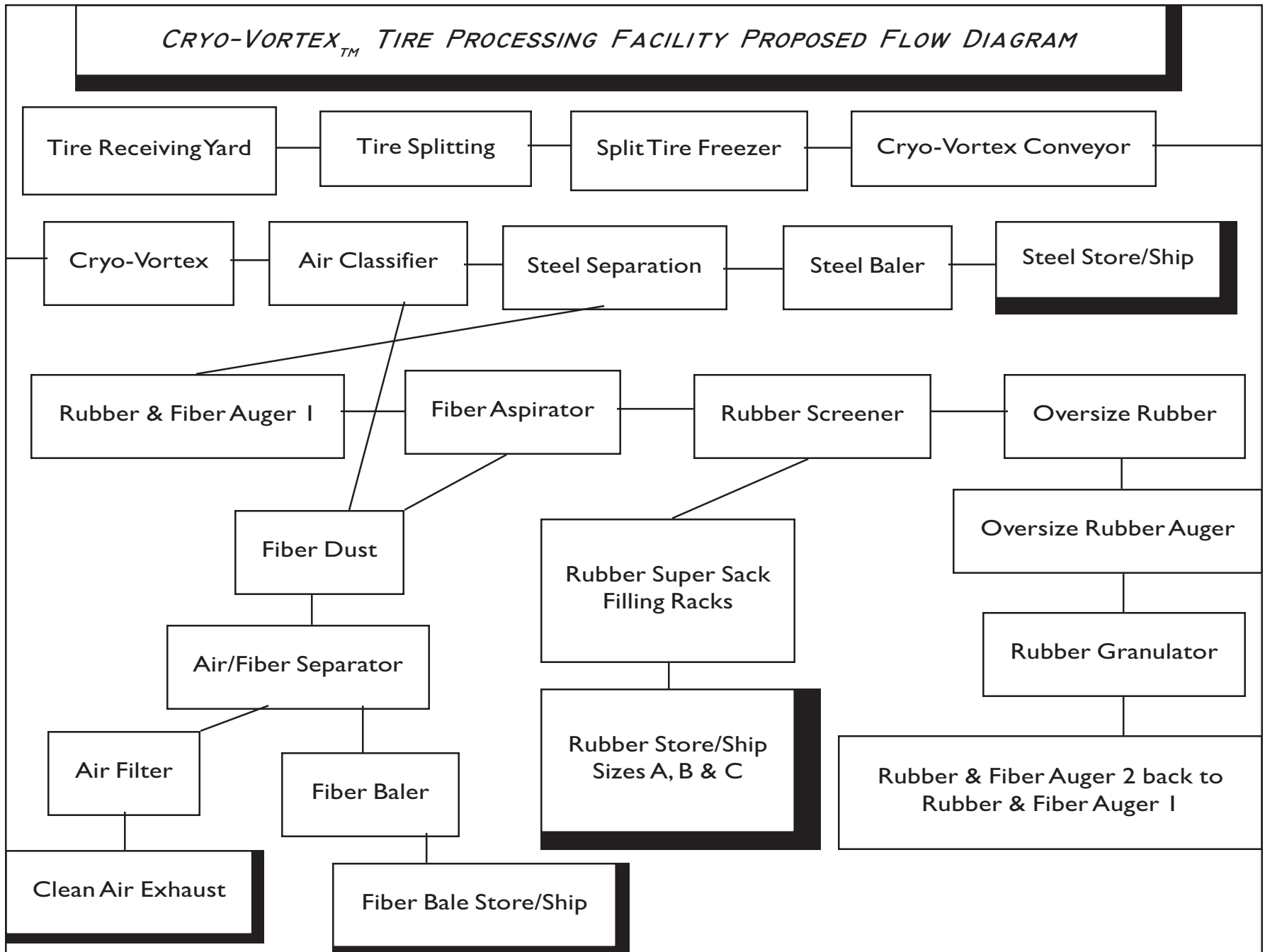


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CRYO-VORTEX™ TIRE PROCESSING FACILITY PROPOSED FLOW DIAGRAM



DESCRIPTONS: CRYO-VORTEX™ TIRE PROCESSING FACILITY PROPOSED FLOW DIAGRAM

Tire Receiving Yard - An area where the tires are unloaded and stored until they are split.

Tire Splitting - Tire splitting machines cut the tires in half to remove all water, debris or ice etc..

Split Tire Freezer - A specially designed, cable driven freezer that cools the tires to an average of approximately -100F.

Cryo-Vortex™ Conveyor - A chain conveyor that delivers the frozen split tires up to the Cryo-Vortex™ input.

Cryo-Vortex™ - A specially modified Vortex™ Disintegrator to will impact and pulverize the brittle tires into small pieces.

Air Classifier - A machine that pulls a majority of the tire fiber and dust away from the rubber and steel.

Steel Separation - A powerful magnet that pulls the steel away from the rubber.

Steel Baler - A baler machine that compacts the steel into bales that are easy to handle and economical to ship.

Steel Store/Ship - An area or bin that the steel bales are stored until shipped.

Rubber & Fiber Auger 1 - A standard inclined auger that delivers rubber and fiber to the rubber screener.

Fiber Aspirator - A machine that passes air through a cascading stream of rubber and fiber to remove fiber and dust.

Rubber Screener - A three deck screener that separates rubber into four distinct sizes.

Oversize Rubber - Rubber that is determined to be too large for the targeted market.

Oversize Rubber Auger - A standard auger that takes the oversize rubber to a granulator.

Rubber Granulator - A heavy duty granulator that uses knives and a grate to cut rubber to a targeted size.

Rubber & Fiber Auger 2 (back to Rubber & Fiber Auger 1) - A standard auger that takes the granulated rubber back to rubber and fiber auger 1 for additional fiber removal (fiber is released from the oversized rubber) and screening to the final market sizes.

Rubber Super Sack Filling Racks - Steel frames that hold supper sacks while they are being filled with 1500 to 2000 pounds of rubber.

Rubber Store/Ship Sizes A, B & C - An area where super sacks of the three targeted sizes of rubber are stored until shipped.

Fiber Dust - The fiber that is liberated from the disintegration of the tire.

Fiber Baler - A baler machine that compacts the fiber into bales that are easy to handle and economical to ship.

Fiber Bale Store/Ship - An area or bin that the fiber bales are stored until shipped.

Air/Fiber Separator - A standard machine that separates the fiber from the air.

Air Filter - A filter that will remove micron sized particles of dust from the air to meet local regulations.

Clean Air Exhaust - Warm air that can be released inside or outside of the facility (depending on seasonal heat requirements).

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