

# Scrap Tire

# NEWS

Covering The News And Developments In The Scrap Tire Recycling Industry

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## Market-Driven Equipment

by Rick Colyar and Kaytee Moran

In today's business of tire recycling we are constantly being driven to new challenges to develop processes that will maximize profits and leave the least amount of waste by-product for our landfills.

Less than 20 years ago, only 10 percent of the tires Americans discarded were recycled. Now 90 percent are recycled into diverse, innovative products. As such, a shift has occurred in the way processors treat tires. Each component- rubber, steel, fiber, represents a separate revenue stream requiring processing equipment and systems that can separate and render these distinct materials market ready.

The newly introduced CM2R Liberator has this ability. Smaller and more affordable, the new CM2R Liberator has some of the same proven attributes of the larger CM4R Liberator. In fact it was the proven success of the CM4R Liberator together with CM's solid reputation in the tire recycling industry that led Bill Elomari, President of Tire Recyclers, Inc. (TRI) to purchase and install the new smaller Liberator at TRI's Charles City, VA plant.

"The Liberator achieves the cleanest material in the industry," Elomari said. "I saw the product produced by CM's equipment and it was just a beautiful, beautiful, product," he said.

The CM2R Liberator's unique design allows it to separate the wire from rubber tires in the purest, cleanest form possible. This gives the processor the ability to generate revenue streams from both rubber and wire. "Our goal is to make high quality rubber mulch, tdf and other products," Elomari said. "CM will help me make the cleanest material."

With production rates of up to 14,000 lbs. per hour of passenger and truck tire material, the CM2R Liberator has all of the same operational benefits of the larger version. Its serrated knife design increases linear inches of cut, which means more cutting surface and the larger screen area allows efficient screening of sized material. Both are critical factors in allowing the CM 2R Liberator to achieve greater production.



One of the most important benefits to this system is the minimal amount of maintenance and downtime. By lining the internal wear surfaces with replaceable wear liners, a processor can easily change them when worn. This exclusive feature of the CM 2R Liberator eliminates the need for any maintenance welding and results in greater machine "uptime". All these features along with our exclusive patented process "flow-through" design that reduces pinch points and allows steel to purge through the process, gives you one of the most profitable tire wire liberating systems on the market today.

The CM2R Liberator can be applied to a variety of value added market applications including TDF, mulch, playground rubber, coarse ground rubber and clean salable steel. The unit can also process previously unsalable, contaminated waste material from other systems to produce clean marketable steel and rubber.

If you are currently processing tires solely for TDF, the CM2R Liberator will be a valuable addition to your operation. By adding the 2R Liberator to your existing line you can continue to process for TDF while creating a feed stock for the 2R Liberator resulting in a new line that will add valuable revenue sources in the clean steel and crumb rubber markets providing you with a complete, zero waste solution for all of your tire processing needs. ♦

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**Special Report:** STN's annual equipment issue features a mini-directory of tire and rubber equipment and news about how the latest trends in processing equipment design are customer and market driven.