



RELIABILITY



HIGH DEGREE  
OF AUTOMATION



VERSATILE AND MODULAR



HIGH PRODUCTION  
CAPACITIES



LOW ENVIRONMENTAL  
IMPACT



— CUSTOM

# TIRES

## TREATMENT PLANT

### TURNKEY

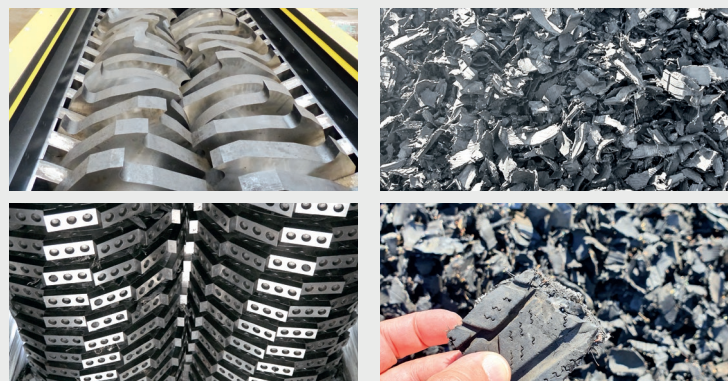


SMART SOLUTIONS TO PRESERVE THE ENVIRONMENT

TAILOR-MADE SOLUTIONS



FOR REC's end-of-life tire recycling machines enable the recovery of rubber in different particle sizes while separating other components, such as steel and textile fiber. The plant is equipped with a multi-step cleaning system to ensure complete separation of the textile fiber and obtain a granulated product with 99 percent purity level. The suction system is supported by filters and fire-fighting systems for specific dust control in compliance with current regulations, including safety regulations.



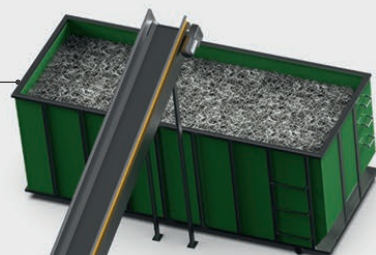
## TB - TX 1600

### DOUBLE SHAFT SHREDDER

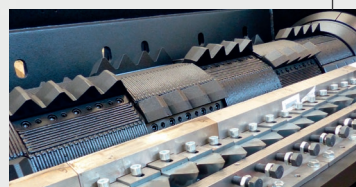
The TB or TX1600 primary shredders are double-shaft shredders that can be perfectly adapted to treatments requiring volumetric reduction with partial control of the output particle size. Working without a screen, they can handle high material flows. The exclusive and innovative design of the TB's cutting chamber allows quick extraction and replacement of the shafts complete with blades, drastically reducing maintenance time. Changing the plates on the TX1600 shredder, on the other hand, is possible without disassembling the shafts.



**STEEL FILAMENTS**  
First separation with magnet



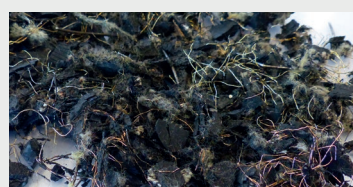
OUTPUT



## MR

### MR SINGLE SHAFT SHREDDER

Rubber chip material reduction down to 20 mm. Single-shaft grinder with interchangeable plate cutting system that can be configured by type, interchangeable sorting screen made of wear-resistant material that is easily replaceable for quick maintenance, blade holder rotor made of special steel with wear-resistant coating.



OUTPUT



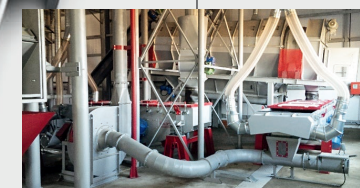
## FMS

### GRANULATOR

The granulators with rotating blades are characterized by their sturdy construction to ensure high reliability, a unique cutting system to reduce energy consumption and dust generation, easy access to the grinding chamber to allow quick cleaning and maintenance, and the use of special steels for increased reliability.



OUTPUT



OUTPUT

### GRANULE CLEANING

The granule cleaning system uses an advanced screening process that combines rotary screening systems, air and densimetric separators, pneumatic conveying, and suction. This system efficiently removes textile fiber and steel, resulting in clean granules between 0 and 4 mm in size.



All systems made by FOR REC are modular and implementable according to specific customer needs.



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