



Tire **Recycling solutions**

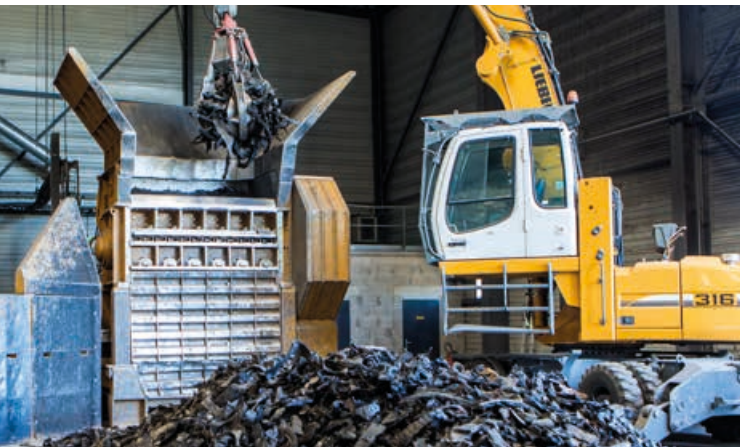
Turnkey equipment and complete processing lines for end-of-life tires

OVER 45 YEARS OF EXPERIENCE IN INDUSTRIAL RECYCLING

For over 45 years, MTB has been developing innovative solutions for the recovery of complex waste streams and leveraging its industrial expertise to support the circular economy. Through its recycling operations and hands-on field experience, MTB has gained comprehensive know-how across every stage of end-of-life tire processing and recovery.

Built on this operational expertise, our engineering team designs and develops high-performance tire recycling solutions tailored to meet specific requirements in terms of throughput, material quality, and operational profitability.

Our systems integrate advanced shredding, granulation, and separation technologies to maximize the recovery of valuable material fractions, including rubber, steel, and textile fibers. Each installation is engineered to optimize recovery rates, improve material purity, and produce high-value recycled products for downstream markets.



- + 100 % mechanical process
- + Electric drives designed to reduce energy use
- + Recovery of rubber, steel and textiles fractions
- + Solutions designed for continuous industrial operation

A COMPLETE EXPERTISE

We manage the entire value chain thanks to our broad expertise:

IN-HOUSE EQUIPMENT MANUFACTURING

INTEGRATION TESTING
BEFORE FINAL DESIGN

CUSTOMIZED ENGINEERING

INTEGRATION OF PROVEN
PARTNER TECHNOLOGIES

TURNKEY LINE INTEGRATION

SOME REFERENCES



TIRE RECYCLING SYSTEM - SERBIA
Complete passenger & truck tire recycling line - Capacity: 2 t/h



TIREBOX - LATVIA
Containerized tire recycling solution - Capacity: 2 t/h



TIRE RECYCLING SYSTEM - SWEDEN
Complete passenger & truck tire recycling line - Capacity: 6 t/h



TIRE RECYCLING SYSTEM - REUNION ISLAND
Complete passenger & truck tire recycling line - Capacity: 3 t/h

INPUT PRODUCTS



PASSENGER CAR TIRES



TRUCK TIRES



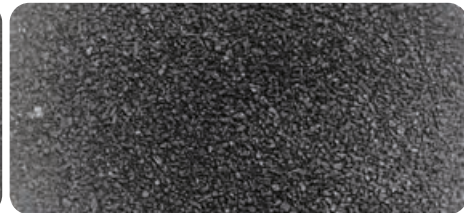
PRE-SHREDDED TIRES / TDF

OUTPUT PRODUCTS

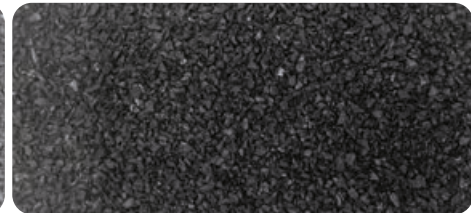
Rubber granules (Purity: up to 99.5% depending on input material)



0 to 0.5 mm
(< 5%)



0.5 to 2 mm
(25-35%)



2 to 3.5 mm
(60-70%)

Other outputs

- + Rubber recovery rates of up to 70%
- + High-purity recycled steel output up to 99%
- + Minimized rubber losses through advanced textile fiber treatment
- + High-value recycled commodities for downstream markets



STEEL WIRE
(96-99% purity)*



TEXTILE FIBER

* with clean wire system



WHY MTB EQUIPMENT?

- + Built for continuous industrial operation
- + Easy access to wear parts and maintenance areas
- + Protection systems designed to limit damage during jams
- + Modular equipment that can evolve with your processing needs

View technical specifications:

RSX 1600



BDR shredders



COMPACT SYSTEM

SAME QUALITY, LESS SPACE

The **TIREBOX** combines the main processing stages of an MTB tire recycling line within a compact, containerized configuration. Designed to reduce on-site installation work, it is delivered pre-integrated and prepared for commissioning.

OPTION
RSX 1600



Rotary shear for pre-shredding, increasing **TIREBOX** capacity and enabling the processing of more challenging tires



CAPACITY
up to **2 t/h**^{*2}

A MODULAR PROCESS CONFIGURED FOR YOUR OBJECTIVES

MTB supports customers in the selection and integration of recycling equipment tailored to their specific needs. Depending on the type, volume, and density of the input materials, we develop customized pre-shredding, shredding, and sorting solutions designed to maximize recycling performance and material recovery.



¹* Equipment selected based on the target capacity and the quality of the final product

²* CAPACITY BASED ON:

- Tire type and average weight
- Required output size
- Input preparation
- Target purity

YOUR BENEFITS

- Controlled rubber granule size distribution
- Improved separation of steel and textile fractions
- Line capacity configured to the required output quality

CUSTOMER SUPPORT

INPUT CHARACTERIZATION & INDUSTRIAL TESTING

Our eco-innovation team supports manufacturers in their circular economy initiatives. We can test customer materials to validate process configuration and output specifications.

INSTALLATION & COMMISSIONING MTB SERVICE

On site installation, start-up assistance and process parameter setting.

TRAINING & PROCESS SUPPORT

Operator training, maintenance guidance and support for adapting settings to changing input materials.

CUSTOMER SERVICE

Technical support, spare and wear parts, maintenance assistance.



Our application helps you achieve greater efficiency by providing real-time production data, tracking history and much more.



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