



Cable Recycling solutions

Machines | Projects engineering | Services

MORE THAN 45 YEARS OF EXPERIENCE IN FERROUS AND NON-FERROUS RECYCLING

MTB is considered as a pioneer in tomorrow's waste recycling. Concerned with the future of our planet, the company values « ZERO WASTE, PREMIUM QUALITY and FOR OUR CHILDREN » lead its development strategy.

Both an operator and a manufacturer, MTB has highly-qualified experience in cable recycling.

Why trust us? All MTB equipment is first tested and optimized at our recycling site before being offered!

Our specific process enables us to maximize the recovery of materials contained in raw cables. The advantage of this recycling technique is that it not only saves the non-renewable natural resources (copper, aluminum), but it also saves the energy required for the extraction and processing of these raw materials.

- + 100 % mechanical process
- + Customized engineering
- + Our equipment can reduce the environment impact by 90%, as opposed to the mining industry
- + Power drives designed for lower energy consumption



SOME REFERENCES



A COMPLETE EXPERTISE

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

IN-HOUSE MANUFACTURING OF
OUR EQUIPMENT

TURNKEY ENGINEERING
SOLUTIONS

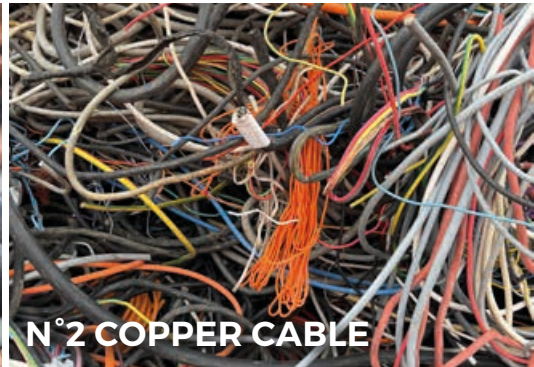
SEAMLESS INTEGRATION
OF PARTNER SYSTEMS



INPUT PRODUCTS



N°1 COPPER CABLE



N°2 COPPER CABLE



SHREDDER WIRES



ACSR



WIRE HARNESSSES



ALUMINUM CABLES



TELECOM CABLE / UNDER WATER CABLE / TRANSFORMER WIRE / RADIATORS

OUTPUT PRODUCTS

UP TO
99,99 %
purity (for metals)



Big Copper



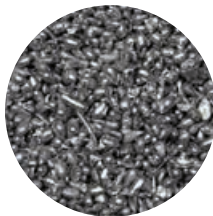
Fine Copper



Copper flakes



Aluminum



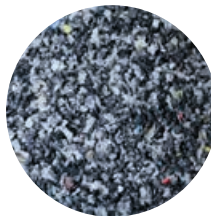
Lead



Brass



Mixed plastics

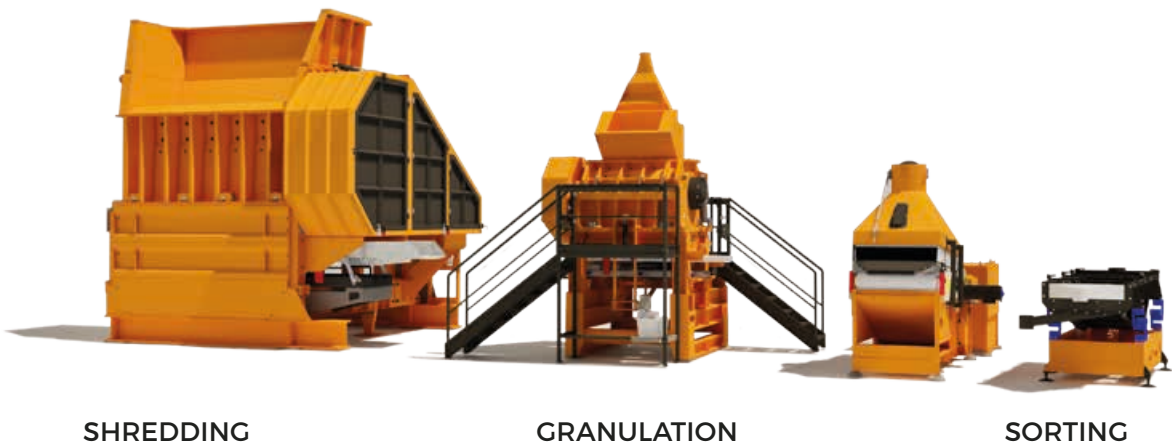


PE Plastic



BDR 2400 shredder (USA)

A 100% MECHANICAL PROCESS



First cut to transform raw materials into calibrated chips

Finalizes grading and release of materials

Sort materials by density and size

A LARGE RANGE OF SHREDDERS AND GRANULATORS

Consistent performance guaranteed, even with low-quality cables for maximum productivity and reduced material waste.

Capacity	BDR Shredders	BAT Granulators
1 T/h	BVR 845	BAT 445
1,5 T/h	BDR 1245	BAT 845
3 T/h	BDR 1645	BAT 1245
4 T/h	BDR 2400	BAT 1245
Up to 8 T/h	BDR 2400	BAT 1645

Indicative results obtained using No. 2 copper cable (42–46% copper content), under standard operating conditions.

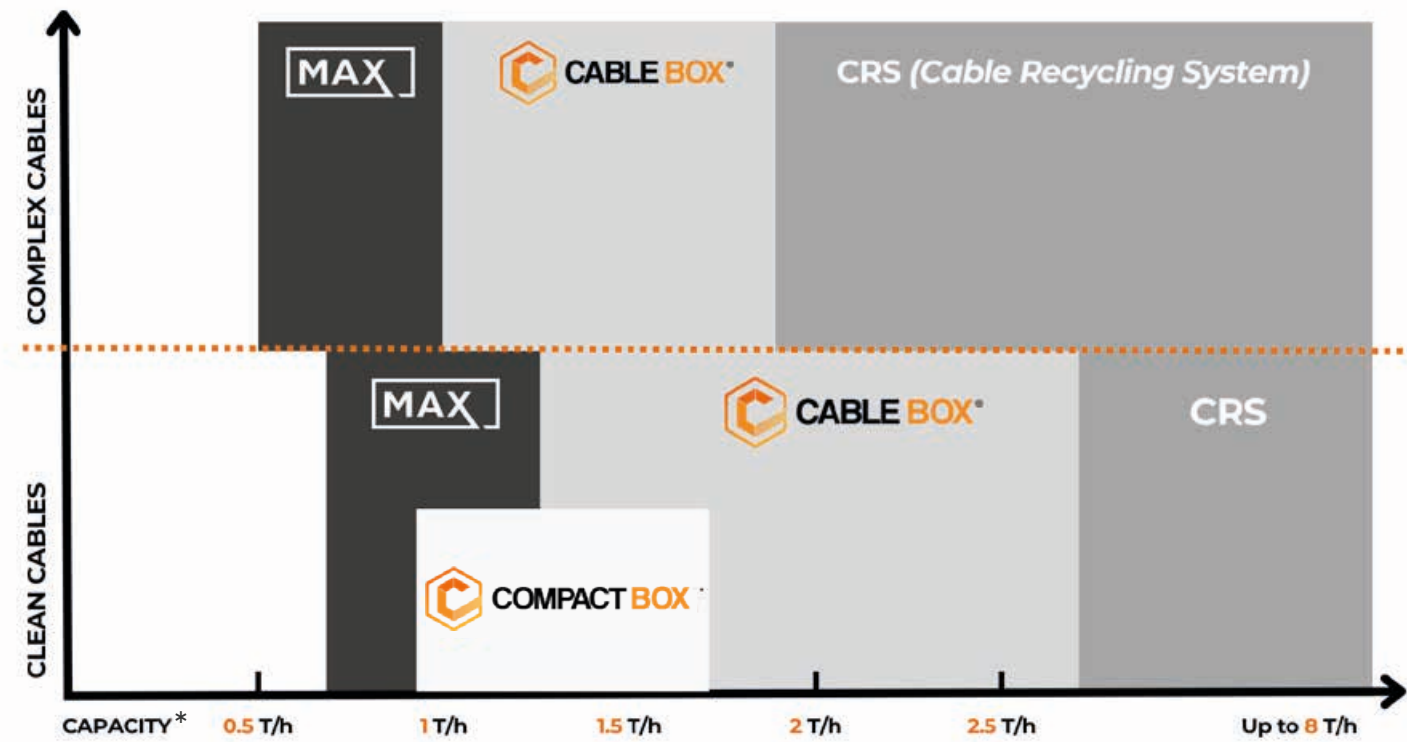
SOLUTIONS FOR ALL YOUR NEEDS

From shredding to sorting, choose the right equipment based on your process and performance goals.



Efficient technologies adapted to your material streams

Our systems are designed to handle diverse waste types and volumes, ensuring optimal recovery and value.



*Capacities are indicative and depend on input composition, preparation and required output quality

COMPACT SYSTEM TURNKEY RECYCLING PLANT



The compact design provides great flexibility, making it easy to move the equipment if necessary. This is one of the strengths of this range of recycling slolutions.



80' 05"/24,40 m

The **CABLEBOX**
Up to **3 T/h***



40'/12,2 m

The **COMPACTBOX**
Up to **2 T/h***



40'12"/12 m

The **MaX**
Up to **1 T/h***

**Capacities are indicative and depend on input composition, preparation and required output quality*

THE CABLEBOX



CABLEBOX (USA)

THE COMPACTBOX



Assembled in our workshop, the COMPACTBOX is now operating in Brazil.

THE MaX



The MaX in action at our recycling site in Trept, France. And several are operating in the USA

ENGINEERING TURNKEY RECYCLING SOLUTIONS

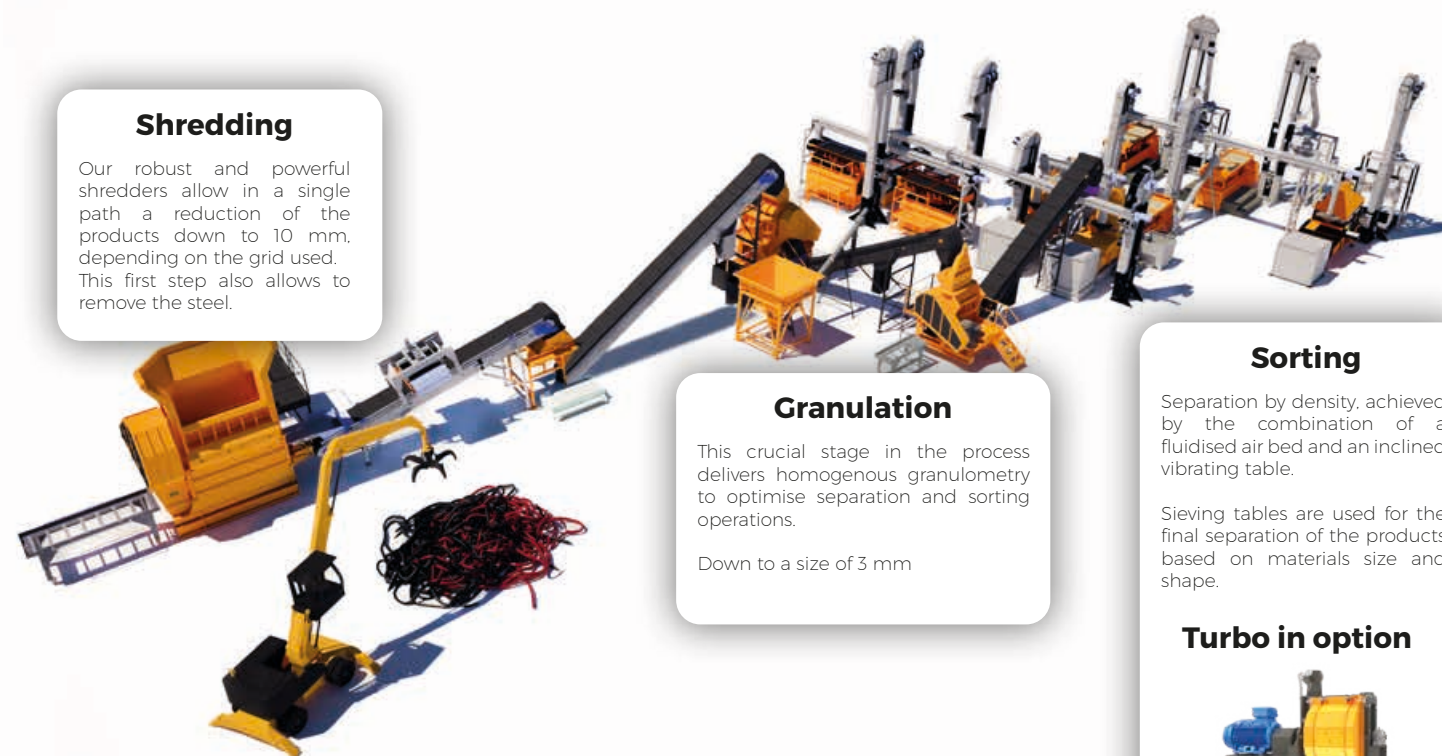


Copper recycling line at our recycling site in France

CRS (Cable Recycling System)

Shredding

Our robust and powerful shredders allow in a single path a reduction of the products down to 10 mm, depending on the grid used. This first step also allows to remove the steel.



Granulation

This crucial stage in the process delivers homogenous granulometry to optimise separation and sorting operations.

Down to a size of 3 mm

Sorting

Separation by density, achieved by the combination of a fluidised air bed and an inclined vibrating table.

Sieving tables are used for the final separation of the products based on materials size and shape.

Turbo in option



CAPACITY FROM
1 TO 8 T/H*

**Capacities are indicative and depend on input composition, preparation and required output quality*

GO FURTHER

With a range of options to take your waste recovery to the next level.

OPTIMIZE PLASTIC SORTING WITH
OUR TURBO SYSTEM

SEPARATE DIFFERENT TYPES OF PLASTICS
FOR IMPROVED MATERIAL RECOVERY

SEAMLESS INTEGRATION
OF PARTNER SYSTEMS



MAIN ADVANTAGES OF OUR EQUIPMENT

Performance and robustness

- A single step of shredding to reduce a large number of products down to a particle size of 10 mm
- Our flywheel-equipped BDR shredders have an optimized power-to-weight ratio to get through the toughest spots
- Gradual in-depth magnetic separation along the entire line for longer service life
- Maintain a high level of performance, even with low-quality cables

Intelligence and adaptability

- Self-regulating system for our lines thanks to our various load, temperature and level sensors to optimize the process
- Super versatile process capable of handling products from the highest quality to the most complicated deposits, thanks to simple adjustments.
- Very-modular design can be fully customized for each project

Less maintenance More value

- Reduced maintenance costs thanks to common spare parts on our shredders and granulators
- Advanced conveying system made of conveyor belts, screw conveyors and bucket elevators
- High level of dust collection throughout the line for better working conditions and less pollution
- Technical solutions that offer both economic performance and environmental impact: **reduced maintenance costs and optimal recovery of recycled materials.**

CUSTOMER SUPPORT

Installation - MTB Service

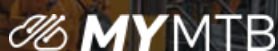
Our specialized technicians are experts in the installation and repair of our equipment, ensuring rapid and efficient service anywhere in the world.

Training & Coaching

Our experts will train you prior to commissioning the machines, providing you with the keys to success.

Eco-design support

Our eco-innovation team, the R&D unit, supports manufacturers in their circular economy initiatives.



Our application enables you to achieve greater efficiency by giving real-time production data, tracking history and much more.



Visit our website

