



ALUMINIUM

RECYCLING  
SOLUTIONS



*- More Than Business -*

# TARGET SOLUTIONS FOR THE ALUMINUM SCRAP CLEANING PROCESS

Since 1981, we have been recycling aluminum and honing our expertise at our production site in Trept, France. Our aluminum recycling line can process up to 25.000T/year. Our engineering team designs innovative, customized recycling systems for a wide range of aluminum scrap, including **cables, profiles, sheets, cans, and zorba**. With our technical expertise in shredding and sorting, we create the ideal combination of machines to achieve the **highest quality secondary raw materials**.



- + Recycling all types of aluminum scrap.
- + **Engineering integration** of partner solutions for further metal sorting
- + **Manufacturing** eco-efficient process:
  - ↳ Optimized **operating costs**
  - ↳ **Low power consumption** thanks to eDrive electric motor technology and synchronous motors

## APPLICATIONS



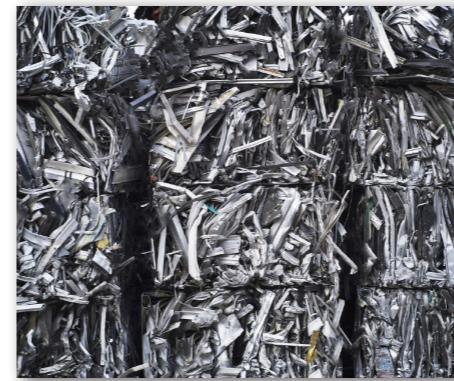
RIMS



CASING



RADIATORS



ALUMINUM BALES



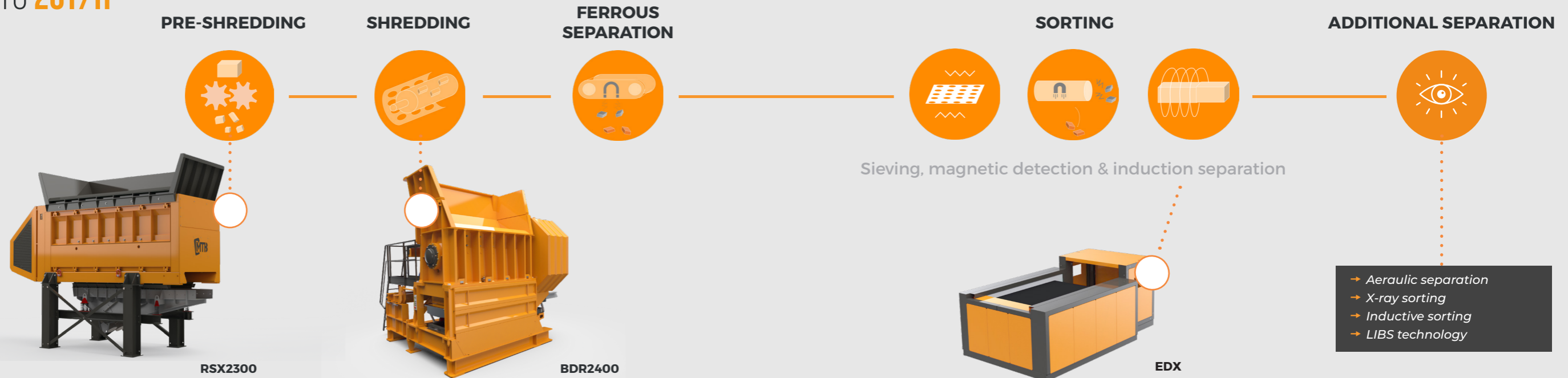
ALUMINUM PROFILES



ZORBA

FROM 2T/H TO 20T/H \*

RECYCLING PROCESS



### \*CAPACITY BASED ON

- Type of scrap
- Percentage of material
- Process to sort out their average size and weight

### SOLUTIONS

MTB's solutions consist of stand alone machines, or a complete process

### YOUR BENEFITS

- Upgrade your aluminum scrap by reducing Zn, Cu, and Fe content to achieve premium scrap prices
- Significantly increase the use of scrap over primary aluminum
- Reversible blades for minimized operating costs



# PRE-SHREDDING

→ Several pre-shredding solutions tailored to the type type of waste

## EZR eDrive

⊙ 140 to 800 kW  
188 to 1072 hp

Our pre-shredders EZR 2200/2500 can open dense aluminum bales as well as contaminated aluminum scrap from waste processing facilities.



## RSX eDrive

⊙ 150 to 350 kW

Twin-shaft shears for difficult waste.

This machine is available in 3 sizes: 1200 / 1600 / 2300 mm\*.

2 possible configurations :

- Shear for foils or sheets
- Ripper for profiles, aluminum bales, casing, rims...

\* corresponds to the rotor width.  
47 inches / 63 inches / 90 inches



# SHREDDING

- Different screen mesh for adjustable size reduction
- Knife shredder for minimum generation of fines

## Heavy Duty Shredder - BDR 2400

⊙ 220 to 280 kW  
295 to 375 hp

The versatile shredders 2400U - 2400R are characterized by their robustness and their operating torque obtained with the 5 tons clutch mounted flywheel.

They allow the reduction of a large number of products down to sizes between 10 and 100 mm.



## Compact Shredder - BDR 1645

⊙ 132 kW  
177 hp

The BDR 1645 is extremely robust and powerful, designed for intermediate throughput.



# SORTING

**Different combination of sorting technologies available for**

- the extraction of inert materials
- the extraction of heavy metals (copper, brass, zinc, lead)
- the separation of 5000 and 6000 series aluminum

## MTB Reinforced Magnetic Separator TMR

An overband magnetic separator capable of quickly, easily, and efficiently extracting ferromagnetic particles from material flows.



## Eddy Current Separator EDX

New generation of eddy current separators for optimum sorting of non-ferrous metals.



## Additional separation

Aeraulic | X-ray | Inductive | LIBS

+ Thanks to the quality of our preparation and separation, we obtain **Alloys Grade outputs**.

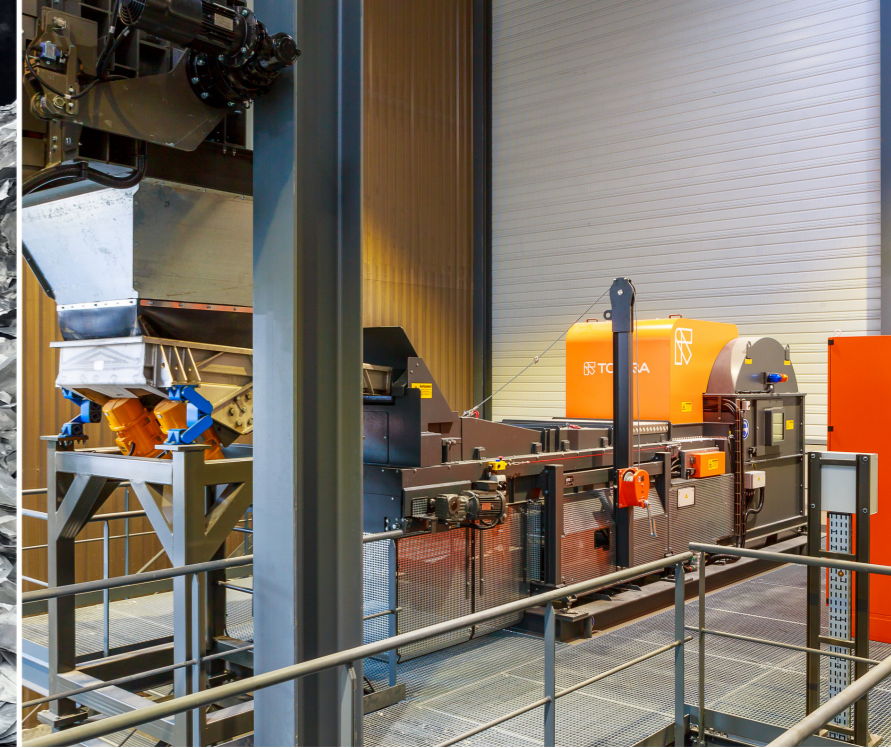


# SOME REFERENCES

## MTB ALUMINUM RECYCLING PROCESSES



SHEETS



ALUMINUM PROFILES



RIMS



CANS



RADIATORS



CASING

# CUSTOMER SUPPORT

## INSTALLATION - MTB SERVICE

Technicians specialized in the installation and repair of our equipment, capable of operating rapidly anywhere in the world.

## CUSTOMER SERVICE

We are at your side to advise, troubleshoot and supply spare parts at short notice.

## TRAINING AND COACHING

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

## MYMTB

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

## ECO-DESIGN SUPPORT

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



Visit our website

[www.mtb.fr](http://www.mtb.fr)



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