

REDWAVE XRF

HIGH PERFORMANCE SORTING OF
NONFERROUS METALS

REDWAVE®



REDWAVE[®] XRF

The **new generation** of intelligent **metal sorting**

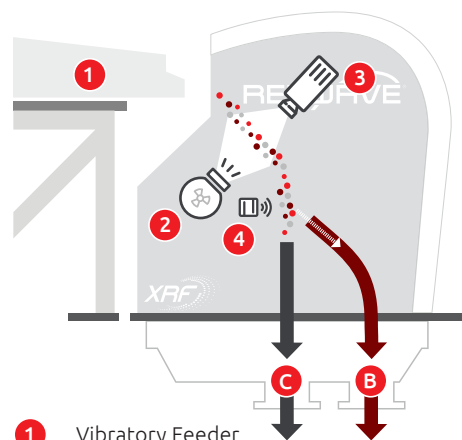
REDWAVE XRF MACHINE FACTS

- Future-proof investment – flexible and versatile
- Sorting widths: 450 mm, 900 mm, 1370 mm
- Small footprint: 12 m² (130 ft) facilitates easy plant integration
- Same chassis size for each sorting width, allowing for easy upgrade with the same footprint
- Capacities of up to 14 t/h for ZORBA sorting
- Combination of XRF and camera technology supports rapid alloy and shape recognition
- Free-Fall design cuts out moving parts, decreasing maintenance and increasing the uptime
- Sortable material sizes from (10) 15 to 180 mm
- REDWAVE *mate* – statistical analysis of material composition
- XRF can "see" through contamination
- ROI usually less than 1 to 2 years
- One machine is all you need for any application



More than 100
REDWAVE XRF
sorting machines
operating worldwide

FREE-FALL SORTING PRINCIPLE



- 1 Vibratory Feeder
- 2 Sensor with x-ray tube and detector
- 3 Camera unit
- 4 Valves and nozzles
- B Eject
- C Pass

METAL SORTING ONE MACHINE IS ALL YOU NEED FOR ANY APPLICATION!

From the beginning, REDWAVE has been the **leader in XRF** (X-ray Fluorescence) based sorting machines. Our worldwide customer base ranges from family-owned shredder yards to multinational corporations and each one has met their specific needs in nonferrous sorting with the REDWAVE XRF. But we are not just another equipment manufacturer. Our **expertise in nonferrous markets**, and ongoing relationships with our customer base, has led to constant innovation in developing new sorting solutions based on customer recommendations. As a **global leader** in plant solutions, we have designed and installed turnkey nonferrous sorting plants that continuously produce a furnace ready product. With **over 100 XRF machines** operating worldwide and **25 years' experience building plants**, REDWAVE is here to solve your nonferrous challenges, whether it is a single machine or a turnkey plant.

REDWAVE XRF: SORTING FLEXIBILITY



- Sort into Heavy Metals: (Zebra) and Aluminium (Twitch)
- Removal of PCB's (printed circuit boards)



- Sort into Individual Metals: (Copper, Zinc, Brass, Bronze, Stainless Steel, PCB's, and more)



- Sort into various Aluminium Grades
- Removal of PCB's (printed circuit boards)



- Sort into Clean Stainless Steel and Waste
- Sort Stainless Steel into Alloys



- Recovery of Precious Metals: Gold, Silver, etc.
- Sort into Individual Metals: (Zinc, Copper, Brass, etc)



- Sort into Furnace Ready Copper
- Removal of Tin, Silver, Nickel and other impurities



- (brominated plastic)
- Removal of Bromine and Antimony



PLANT BUILDER AND SOLUTION PROVIDER TURNING YOUR PROJECTS INTO REALITY

REDWAVE is your sole-source turnkey design, manufacturing and installation provider

Compatible with **REDWAVE mate** advanced artificial intelligence for your sorting plant

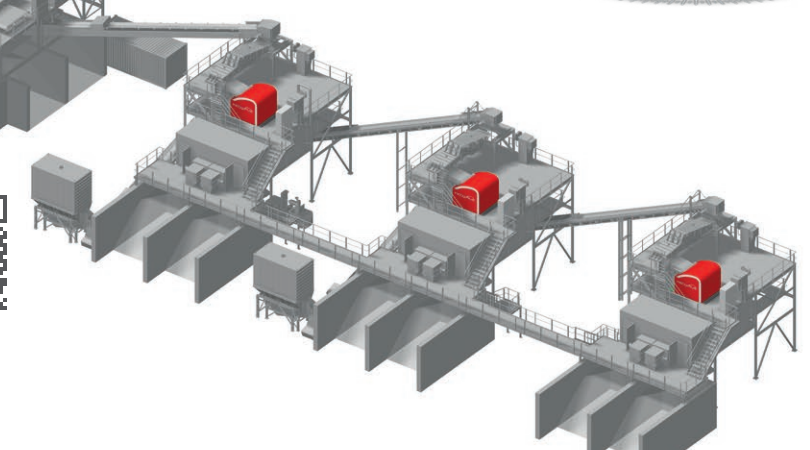


PLANT DESIGN

- Process engineering
- 25 years experience
- Profitable Solutions
- ... all provided with the same level of quality - from one contact and supplier



VIDEO >





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I've never had a quicker return on any piece of equipment than a REDWAVE XRF/C

Grant Frasier, President, Mid-State Recycling

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REDWAVE XRF: **SORTING FLEXIBILITY**

Batch process using the same machine. One machine – many solutions.

