

PRESS RELEASE

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One machine, one line, many solutions - metal sorting with the most advanced commercially available sorting solutions from REDWAVE

REDWAVE XRF/C for non-ferrous metals - one machine is all you need

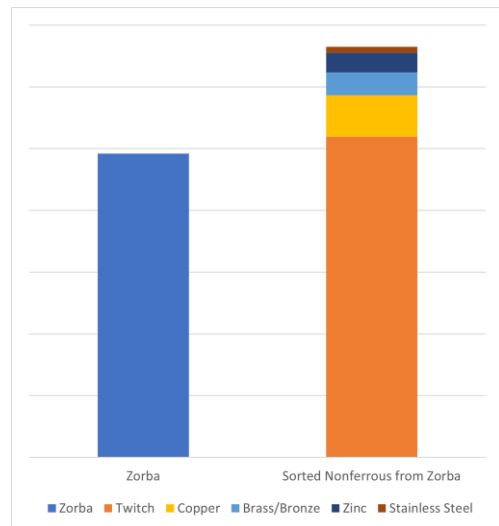
As a shredder operator, success is based on keeping your customers happy and your margins as wide as possible. Today much attention is focused on new systems to upgrade the non-ferrous product produced. The future of every operation depends on how well a system can effectively deal with constantly changing export markets, customer requirements and new mixes of materials available. The best processor is the one that can create furnace ready scrap that commands the best prices from the widest variety of customers. Today there are many options for getting a clean sorted product (see comparison table). But if you need a **simple system** with the flexibility for new sorting scenarios and capability to grow with new business all backed by the experience of the world leader in advanced non-ferrous sorting, then the **REDWAVE XRF/C** is the only system designed for you.

Many equipment suppliers develop systems to fit a specific step in the recovery of high value materials from non-ferrous mixes; depending on who you talk to they recommend some combination of induction, XRT, camera and XRF systems. But when a plant requires multiple sorting processes, the best solution is one that can do the most with the least and that is when REDWAVE comes into play.

13 years ago, **REDWAVE invented the X-Ray Florescence (XRF) based sensor sorters** for the recycling industry. At that time, the sorter was developed to effectively separate heat resistant glass and leaded glass in an input of mixed container glass. In collaboration with leading scrap recyclers, REDWAVE adapted the XRF system for the **metal recycling industry** to be able to do

what no other sensor sorter could. With combination of XRF and camera technology in a compact industrial grade housing and using a **free-fall concept** rather than a conveyor belt, the sorted metal grades produced can reach purity levels high enough to sell directly to furnaces and refiners. It's an industry goal to cover the shredder's operating costs by the revenue generated from the non-ferrous output. But in a competitive market where every dollar counts, a fully sorted Zorba package can be worth up to 60% more than the value of the Zorba alone. The REDWAVE XRF/C has a compact **footprint** of only **10 square meters** (100 sqft) allowing integration into almost any existing plant. Moreover, operating only with one machine and a single vibratory feeder, repair and maintenance needs are minimal in comparison to belt type machines or multiple machines.

Depending on the international market and other factors, **the price of mixed non-ferrous metals** like Zorba, Zebra and Zurik can suffer a drop of over 50% in value in a matter of months. The price of Zorba historically has experienced swings from the low 20's up to near \$1 per pound. Sorted materials like aluminum twitch, die cast zinc and copper products tend to trade in tighter bands with their pricing linked to the prices of virgin metals on the LME markets. Sorting these materials with a REDWAVE XRF/C can greatly increase non-ferrous revenues and allow a business to grow as can be seen in the graph.



Global Sales Manager Martin Weiss says: "REDWAVE is proud to be the pioneer of advanced metal sorting using XRF. With more than 100 XRF-based sorting machines worldwide in operation we are the world market and technology leader for XRF-based sorting machines."

The REDWAVE worldwide customer base ranges from family-owned shredder yards to multi-national corporations and each one has fulfilled their specific needs in non-ferrous sorting with the REDWAVE XRF/C.

REDWAVE – COMPANY DETAILS:

REDWAVE is your reliable partner for profitable solutions in the recycling, waste management and mining industry. It supplies groundbreaking and economic sorting plants for recyclables as well as turnkey waste treatment plants. Furthermore, REDWAVE is a leading manufacturer of sensor-based sorting machines with a sturdy industrial design which achieves high performance and quality recovery of materials. REDWAVE does not stop at the sensor level but provides the complete machine taking the responsibility for the sorting result. It also focuses to have its own software and hardware knowledge in house as this gives their clients the required flexibility and allows them to continuously develop their products and react quickly on market and customer needs.

REDWAVE operates worldwide and is headquartered in Austria. It maintains branch offices in Germany, China, Singapore and the United States.

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