

 TOMRA



# X-TRACT

UNRIVALED SORTING OF ALUMINUM FROM HEAVY METALS

# POWERFUL PRECISION AND PURITY

Harnessing the power of dual energy x-ray transmission (XRT) with precision sensor technology and software intelligence, X-TRACT delivers high throughput sorting of aluminum from heavy metals.

Built to last and proven through long-standing success in diamond mining and metal recycling, X-TRACT comes with an optional power supply up to 1000W for high throughput processing of multiple applications and fines down to 5 mm in size.



**TOP MOUNTED X-RAY SOURCE**



**POWERFUL, HIGH THROUGHPUT PROCESSING**



**SENSOR & SOFTWARE DEVELOPMENT BY TOMRA**



**HIGH RECOVERY AND/OR HIGH PURITY SORTING**



**MULTIPLE SORTING TASKS & GRAIN SIZES**

## X-TRACT XRT TECHNOLOGY

### TOP-MOUNTED X-RAY SETUP

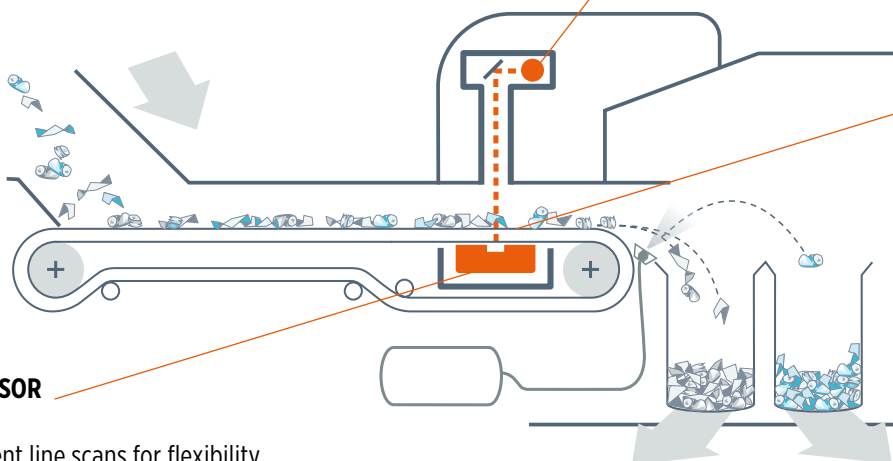
Top-down design protects x-ray source from dirt, preventing costly maintenance

### SOURCE-SENSOR PLACEMENT

Positioned close to input material, sensor offers sharper detection

### DUOLINE® SENSOR

Two independent line scans for flexibility within energy ranges, eliminates the need for additional sensors



### IN-HOUSE DEVELOPMENT

From sensors to software and beyond, the system is entirely developed by TOMRA.

### DUAL PROCESSING TECHNOLOGY

Simultaneous object and area processing for high purity and/or high recovery sorting.

### MULTI-DENSITY CHANNELS

Software-based detection of various materials through predefined density ranges.



## UPGRADE MIXED METALS INTO **HIGH VALUE ALUMINUM**

X-TRACT effectively upgrades various types of aluminum scrap, making it an ideal sorting solution for shredders, heavy media plants, smelters and refiners alike. With flexibility to prioritize sorting for either high recovery and/or high purity, operators can quickly capitalize on their yield and turn metals into profit.



Zorba



Twitch



Profiles & sheets



Production scrap

### **X-TRACT BENEFITS:**

- High performance design with optional x-ray power supply up to 1000W
- Increased belt coverage and high accuracy sorting of overlapping materials
- Powerful precision in detecting aluminum alloys containing heavy metals
- Separation of super lights and heavy metals from aluminum in a single step
- High yield, highspeed sorting of aluminum fines and copper wires from 5 – 40mm
- Magnesium removal for furnace-ready aluminum

A series of metal scrap pieces, including crumpled metal sheets and irregular chunks, are arranged in a curved path that follows the horizon of a globe. The globe is partially visible, with a bright orange and yellow light source behind it, creating a lens flare effect. The background is dark, making the metallic pieces and the light stand out.

# 15 YEARS X-TRACT AHEAD OF THE CURVE

METAL PERFORMANCE, ACCELERATED.

TOMRA Sorting GmbH  
Otto-Hahn-Straße 2-6  
56218 Mülheim-Kärlich  
Germany  
Phone: +49 2630 9652 0  
[recycling-sorting@tomra.com](mailto:recycling-sorting@tomra.com)  
[www.tomra.com/xtract](http://www.tomra.com/xtract)