

# WEEE E-SCRAP SORTING

RECOVERY OF PRECIOUS METALS  
SEPARATION OF BROMINATED PLASTICS

REDWAVE®



Input  
Material



PRECIOUS METAL MIX



PCBs







# REDWAVE®

- **Pioneering XRF sorting technology**  
more than 150 XRF sorting machines in use worldwide.
- **Decades of experience**  
in building equipment specifically for the recycling industry.
- **Comprehensive solutions**  
from design, engineering and manufacturing to installation, commissioning and service



- Enhanced material value
- Lower landfill costs
- Versatile applications

## REDWAVE SORTING TECHNOLOGY

- **Advanced in-house development:**
  - enhanced purity and efficiency for fine materials
  - higher scanning rates, resolution, and precise detection
  - efficient sorting: more energy-saving high-speed valves
  - increased recovery rate for precious metals
- **State-of-the-art belt system:**  
tailored for fine, small, and round materials (from 4 mm)
- **XRF Sensors** supported by laser-based object detection



## SORTING APPLICATIONS

### RECOVERY OF

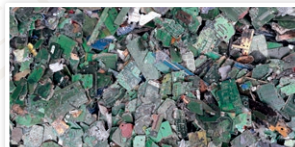


Copper



Precious metals

### SEPARATION OF



PCB



flame-retardant plastics

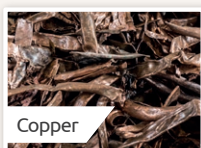
## FURTHER APPLICATIONS

Recovery of pure heavy metal fractions:



Precious metals

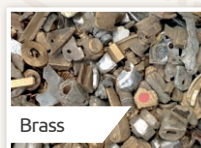
Au, Ag, Pd, Pt



Copper



Zinc



Brass



Stainless steel

316 vs. 304



Aluminium

Separation of aluminium from heavy metals:

