



## BATTERAY™

# AUTOMATIC X-RAY BATTERY SORTING MACHINE

RELIABLE X-RAY IDENTIFICATION OF BATTERY CHEMISTRY  
FOR INDUSTRIAL RECYCLING OPERATIONS



## KEY FEATURES

- Sorting of unmarked, corroded and counterfeit batteries
- Customized sorting programs
- Up to 6 sorting groups per session
- Operation and maintenance by a single operator
- Detachable loading hopper and conveyor cleaning system
- Patented technology

- ⚙ High-Purity Battery Sorting
- ⚙ X-Ray Identification of Battery Chemistry
- ⚙ Wide map of sorted types and sizes of batteries
- ⚙ Proven Technology for Recycling Plants

**BATTERAY™** is an industrial battery sorting system designed to identify battery chemistry by internal composition using X-ray technology. The system enables recyclers to automatically separate mixed battery streams and obtain cleaner fractions for downstream processing.

# BATTERAY

**BATTERAY™** is flagship product of the BATTERAY Series, a family of industrial X-ray battery sorting systems. The series includes BATTERAY, BATTERAY ZETA, and BATTERAY ZETA PRO, allowing recycling operators to select the appropriate level of performance and automation for their facilities.



## GENERAL SPECIFICATIONS

Productivity	Up to 18 000 batteries/hour
Throughput capacity	250–300 kg/hour
Sorting accuracy	99.5% Alk / ZnC 95% other groups
Sorting architecture	6 pneumatic ejectors
Recognition technology	X-ray detection
Automation level	Operator-assisted
Supported battery types	Alk, Zn, NiCd, NiMH, Li-Primary, Li-MnO, Li-SOCL <sub>2</sub> , Li-FeS <sub>2</sub> , Li-Ion

## OPERATION

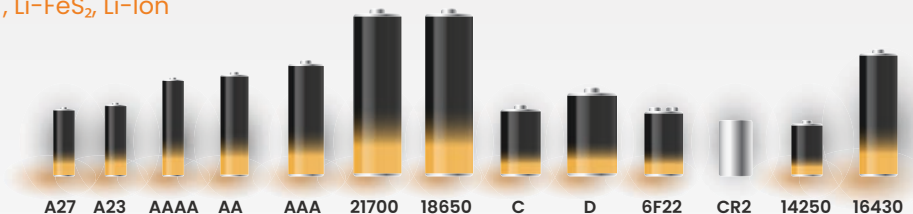
Batteries are loaded into the hopper and transported through the X-ray detection module where the internal chemistry is identified. Pneumatic ejectors automatically direct batteries into corresponding containers according to the selected sorting program.

## POSITIONING IN SERIES

Proven and cost-efficient solution for most recycling operations.

## SYSTEM SUPPORTS

Popular battery types



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