



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 ₂ , Li-FeS ₂ , Li-Ion

OPERATION

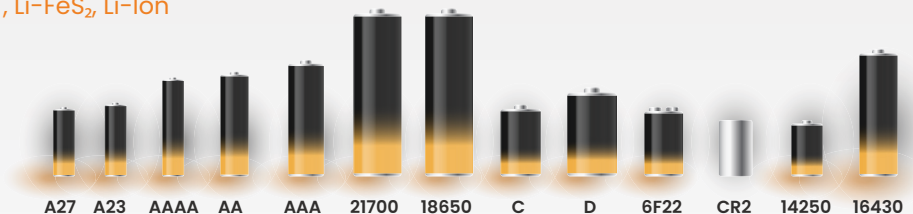
Batteries are loaded into the hopper and transported through the X-ray detection module where the internal chemistry is identified. Pneumatic ejectors automatically direct batteries into corresponding containers according to the selected sorting program.

POSITIONING IN SERIES

Proven and cost-efficient solution for most recycling operations.

SYSTEM SUPPORTS

Popular battery types



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