



BATTERY ZETA™

ADVANCED X-RAY BATTERY SORTING PLATFORM

ADVANCED BATTERY RECOGNITION COMBINING OPTICAL AND X-RAY TECHNOLOGIES



KEY FEATURES

- Optical + X-ray battery recognition
- Improved NiMH / NiCd separation (over 98% accuracy)
- Enhanced Throughput & Ultra-High Purity
- Integration with recycling plant infrastructure
- Enhanced operational diagnostics

- ✓ AI-Driven Deep Learning Classification
- ✓ Advanced Statistics & Analytics Module
- ✓ Full Compliance with EU Regulation 2023/1542
- ✓ Scalable Modular Architecture

BATTERY ZETA™ is based on the proven BATTERY platform and introduces enhanced recognition capabilities combining optical and X-ray technologies. The system provides improved separation of battery chemistries and higher throughput for modern recycling operations.

BATTERY ZETA™

BATTERY ZETA™ is the advanced platform within the BATTERY Series, positioned between the proven BATTERY system and the high-capacity BATTERY ZETA PRO solution.



GENERAL SPECIFICATIONS

Productivity	Up to 23 000 batteries/hour
Throughput capacity	350–400 kg/hour
Sorting accuracy	99.5% Alk / ZnC 98% other groups
Sorting architecture	6 pneumatic ejectors
Recognition technology	Optical + X-ray detection
Automation level	Supervised system
Supported battery types (with improved recognition accuracy)	Alk, Zn, NiCd, NiMH, Li-Primary, Li-MnO, Li-SOCL ₂ , Li-FeS ₂ , Li-Ion

OPERATION

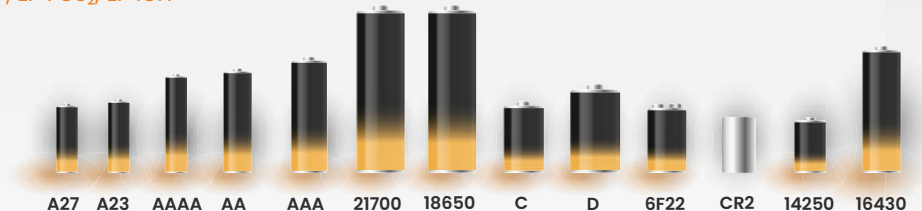
Batteries pass through an advanced detection system combining optical inspection and X-ray analysis, allowing improved recognition and separation of battery chemistries and higher throughput sorting.

POSITIONING IN SERIES

Advanced integrated inline platform with enhanced recognition and higher throughput

SYSTEM SUPPORTS

Popular battery types



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