

BATTERY

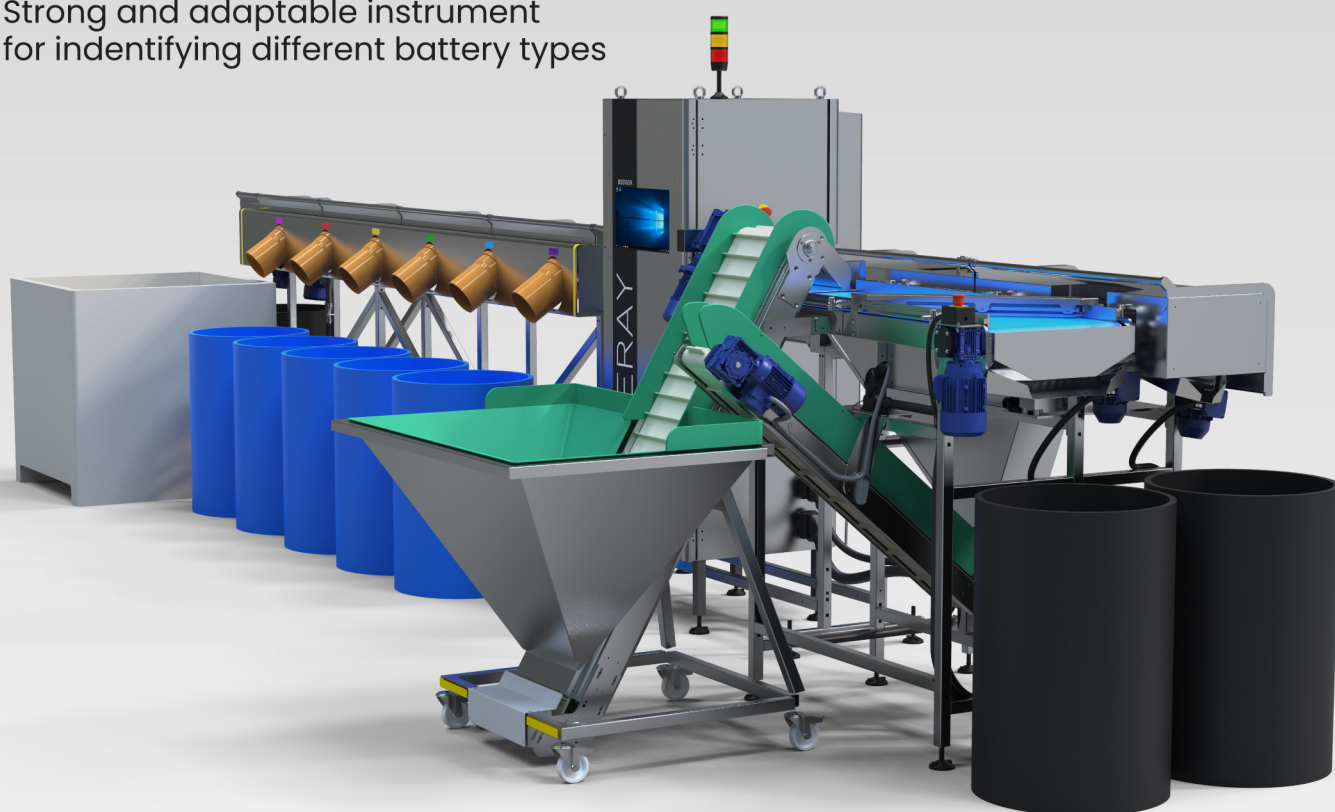


Automatic X-RAY Battery Sorting Machine

Strong and adaptable instrument for indentifying different battery types

BATTERY™ series is the next-generation solution for precise battery sorting by internal composition.

Designed for industrial recyclers, it enables the recovery of valuable resources by revealing the true chemistry inside every battery.



KEY FEATURES

- Capable of sorting damaged, corroded, unrecognized and counterfeit batteries
- Up to 6 sorting groups by the session
- Operation and maintenance by one operator
- Detachable loading hopper
- Conveyor cleaning system



Wide map of sorted types and sizes of batteries



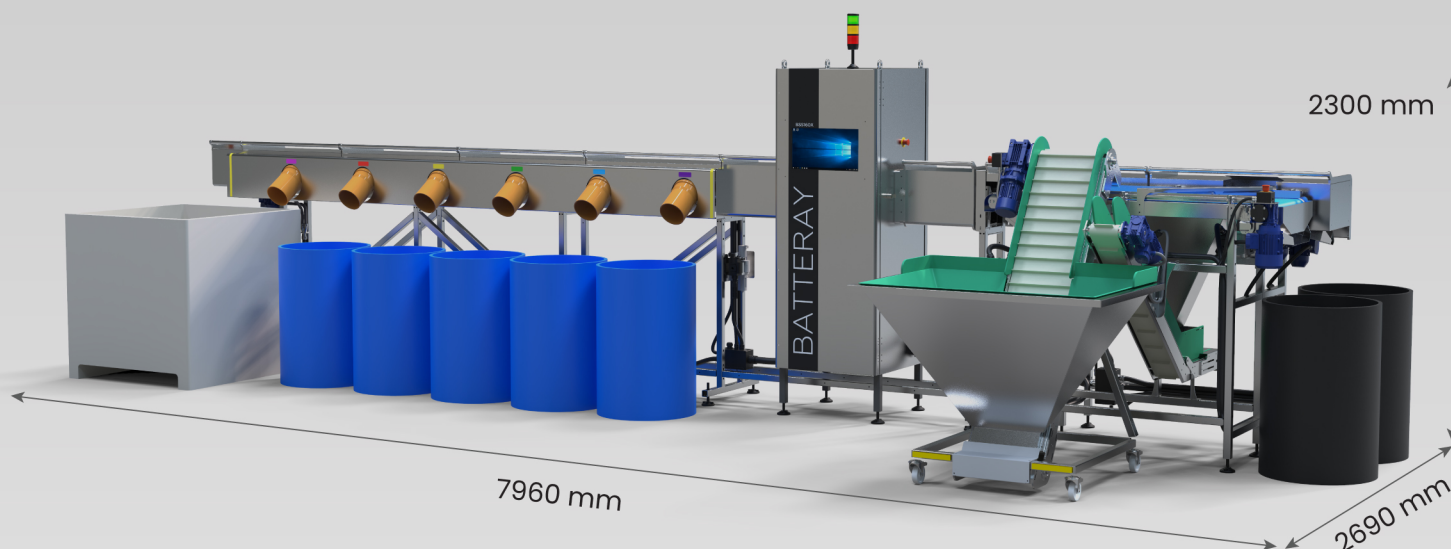
Customized sorting programmes



High purity of sorting



Patented technology



SPECIFICATION

Productivity	up to 18 000 batt/h
Throughout capacity	350 kg/h
Loading capacity	250 L
Sorting accuracy	99,5 % - Zn, Alk 95 % - Other
Installation footprint	15 x 8 m
Dimensions	7 960 x 2 690 x 2 400 mm
Weight	2 400 kg
Power supply	220-240V, 50/60Hz, 4kVA
Operation temperature	+10 °C... + 40 °C

OPERATION

On filling the loading hopper, the batteries are moved to the conveyor to separate small garbage, electrolyte dust, battery parts and small miniature batteries.

The batteries are then moved along the conveyor, passing through the detection system, the batteries located on the conveyor belt are analyzed AI-driven x-ray system, after which battery is assigned to certain group.

The identified batteries are dumped from the conveyor into the appropriate container using pneumatic injectors. Any batteries that can not be sorted for any reason are directed to separate container for re-sorting.

SORT MAP

System supports popular battery types like 18650, 21700, and sizes from 27A to D-Type. All sorting groups showed below.

