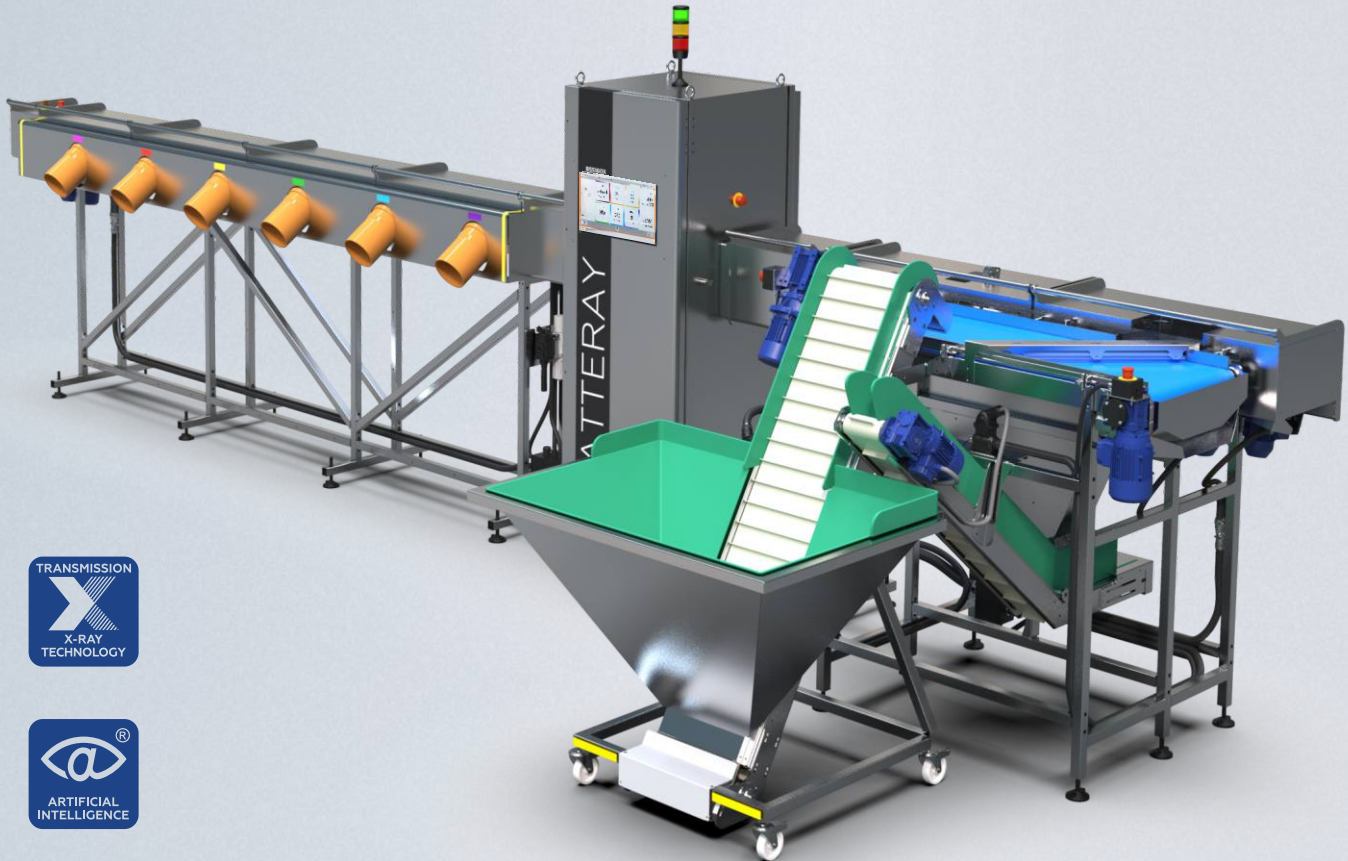




BATTERY

AUTOMATIC X-RAY BATTERY SORTING MACHINE

STRONG AND ADAPTABLE INSTRUMENT
FOR IDENTIFYING DIFFERENT BATTERY TYPES



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

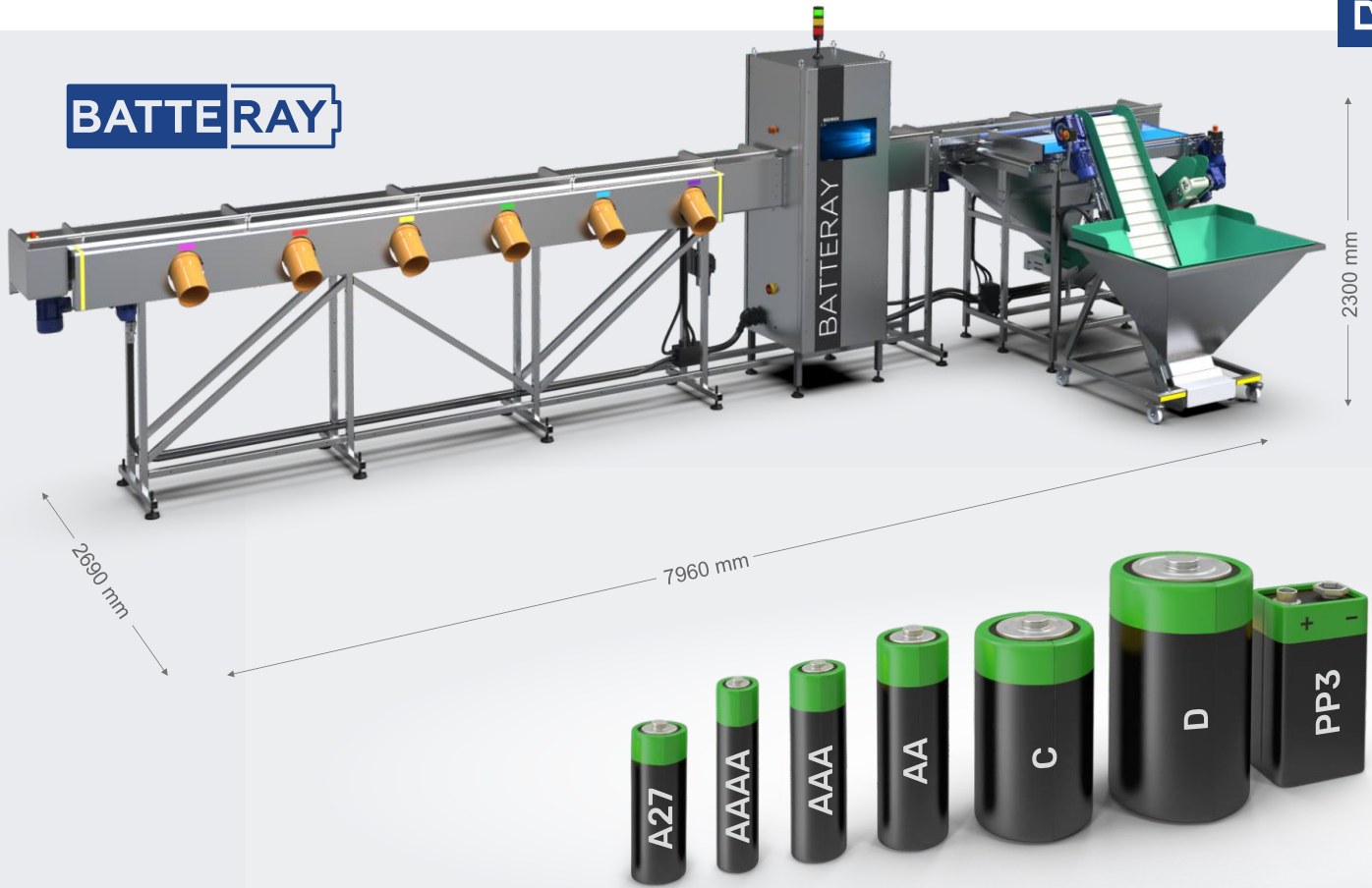
Detachable loading hopper

Conveyor cleaning system

-  WIDE MAP OF SORTED TYPES AND SIZES OF BATTERIES
-  CUSTOMIZED SORTING PROGRAMS
-  HIGH PURITY OF SORTING
-  PATENTED TECHNOLOGY



BATTERY



SPECIFICATION

Productivity	up to 18 000 batt/h	Installation footprint	15 x 8 m
Throughput capacity	350 kg/h	Dimensions	7 960 x 2 690 x 2 400 mm
Loading capacity	250 L	Weight	2 400 kg
Sorting accuracy	99,5 % - Zn, Alk	Power supply	220-240V 50/60Hz, 4kVA
	95 % - Other	Operation temperature	0 ... + 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.

