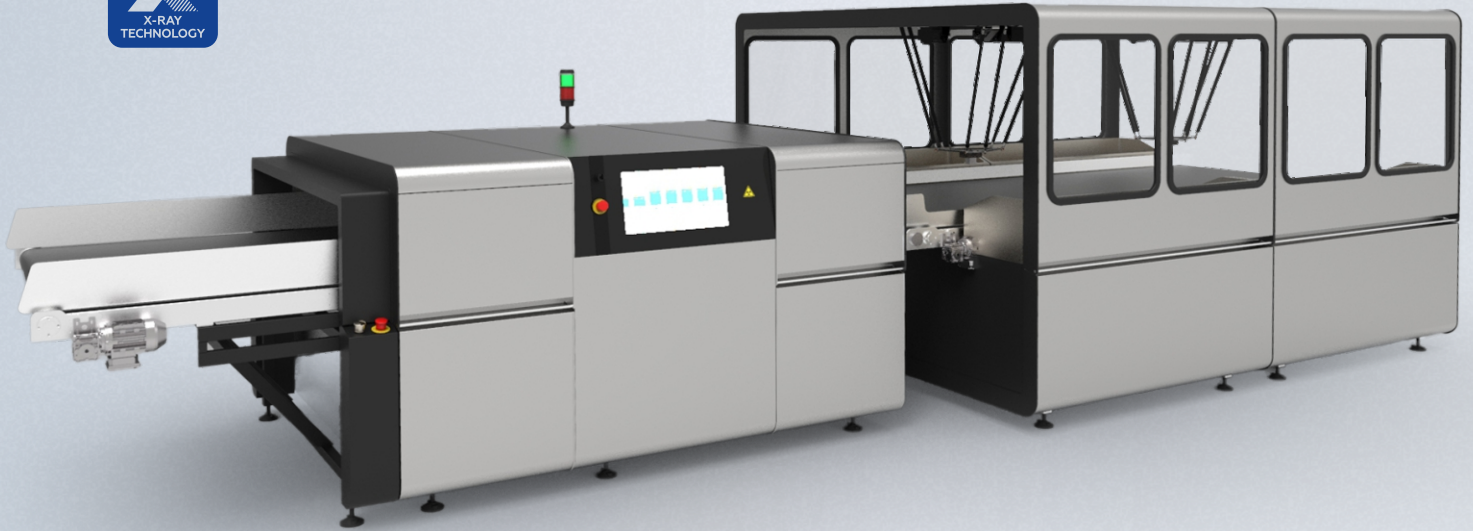




BATTERY WD

X-RAY SYSTEM FOR AUTOMATIC EXTRACTION OF BATTERIES IN WASTE



Battery WD stands as the evolution of battery sorting systems, embodying a refined methodology for extracting batteries and electronic equipment containing it from general waste.

The sophisticated search algorithm leverages artificial intelligence, drawing insights from both visible line camera and X-ray detection system.

The cabin equipped with advanced robotic arms, meticulously engineered to adeptly retrieve batteries ranging from common AAAA to the substantial packs which are chemical groups Li-Ion, NiCD, NiMH, Alk and other.

After removal, the system allows to identify the object into different groups depending on the size of batteries or the chemical type.

KEY FEATURES

- AI-driven X-ray technology
- Accuracy of recognizing 95%
- WEEE containing batteries friendly
- Robotic arms ensure sorting productivity up to 10 t per hour
- Embedded system for waste management line



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