

AI-Powered Sorting for All Portable Batteries and Packs

All chemistries. Proven accuracy. Complete automation.



The first fully automated system that identifies and classifies every type of portable battery under 5kg, including packs, eliminating the complexity of hybrid processes and setting a new benchmark for safety, efficiency and compliance.

WHAT'S HOLDING YOU BACK

Battery sorting is the weakest link in the circular economy. Manual and hybrid systems cannot keep up with the growing variety of chemistries, sizes and designs, creating bottlenecks, safety risks and compliance challenges.

FROM RISK TO RESULTS

- **Broader coverage:** Sort all chemistries and packs with AI-powered multi-sensor recognition.
- **No more bottlenecks:** Keep up with high-volume demand without slowing down.
- **Cleaner output:** Over 98% accuracy to avoid mis-sorts and improve recycler efficiency.
- **Stay compliant:** Get the traceability and reporting you need, automatically.
- **Lower running costs:** Reduce labour, maintenance, and insurance expenses.
- **Scales with you:** Expand capacity as your volumes grow.
- **Less strain on your team:** Cut turnover, heavy manual handling, and long training cycles.
- **Global service network** from Smiths Detection.

Built Around Your Needs

01

Technology that sees more:
Handles batteries others can't process.

02

Ready for tomorrow:
Expandable software to meet new regulations.

03

Start small, grow big: Modular design to match your growth.

04

Data you can trust: Real-time operational and compliance insights.

05

Safety when you need it:
Optional module reduces fire risk and insurance exposure.

06

Delivers on investment: ROI from the day you commission.

WHY PARTNER WITH SMITHS DETECTION?

With over 75 years of precision engineering in high-stakes environments, we bring mission-critical safety and compliance expertise to battery sorting, backed by world-leading X-ray imaging, multi-sensor technology and AI-driven classification. Our platform is trusted, scalable, and built for the realities of industrial operations.

READY TO TRANSFORM YOUR SORTING OPERATION?

Let's explore your needs, review the options, and find the best starting point for your operation.

→ FIND OUT MORE

Talk to our technical specialists to discover your ideal starting point and implementation pathway. Write to us:



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