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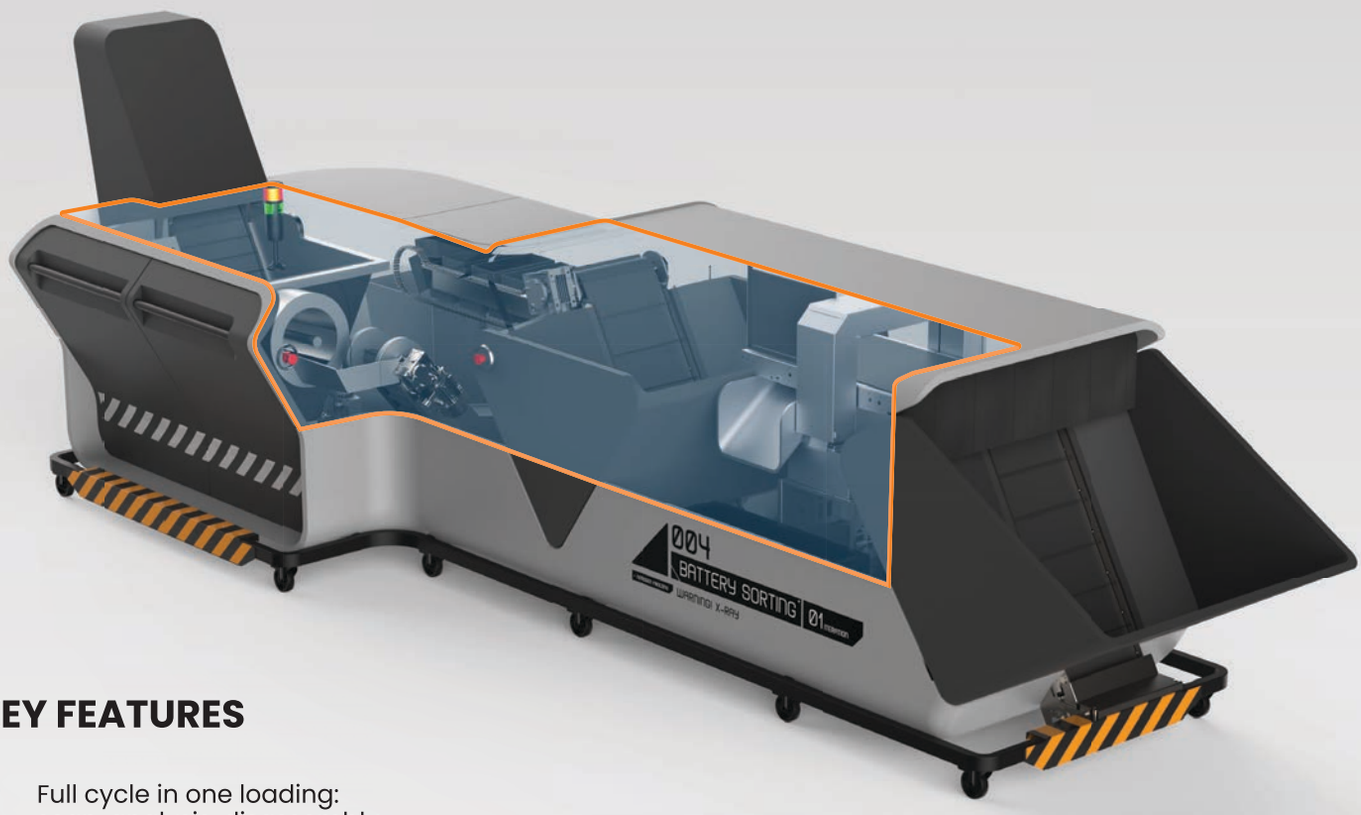
## BATTERAY PAC™

# AI-POWERED BATTERY PACK DISASSEMBLY AND SORTING

SAFE, AUTOMATED EXTRACTION OF CELLS
FROM POWER TOOL PORTABLE BATTERY PACKS




## KEY FEATURES

- Full cycle in one loading: scan, analysis, disassembly
- AI library of portable battery types for faster, safer processing
- Separated components: cells, casing, wiring, BMS
- Traceability: imaging, disassembly maps, automated reports

Predict Analyze Cut Sort

**BATTERAY™ PAC** transforms the most challenging step in battery recycling — disassembly of portable battery packs — into a controlled, safe and intelligent process.

Powered by AI and X-ray vision, the system predicts, analyzes, and cuts each pack with precision, preparing clean components for downstream sorting.

## PROCESS OVERVIEW

Unlike manual dismantling, **BATTERAY™ PAC** combines vision, intelligence, and automation in a single workflow.

This reduces operator risk, speeds up throughput, and maximizes material recovery.

Each new pack type enriches the AI library, making the system smarter and more efficient with every cycle.

BATTERAY

# INSIDE THE PACK: COMPLEXITY REVEALED

Every portable battery pack hides a different internal design — cells, busbars, welds, adhesives, and electronic boards. X-ray images reveal just how unpredictable and diverse these structures are. This complexity is why manual dismantling is risky, slow, and prone to errors.

With **BATTERAY™ PAC** and its **SmartCut™** technology, recyclers gain full visibility and guidance before making a single cut — turning uncertainty into safety, speed and efficiency.

# WHY BATTERAY PAC™?

### Safety First

Controlled process prevents fires, short and operator injuries

### Scalable Efficiency

One operator, ~50 packs/hour, payback in 1–2 years

### Future Ready

Continuously learning AI adapts to new pack designs, keeping your recycling line compliant and competitive

# FROM SEALED PACKS TO CLEAN COMPONENTS

in FOUR intelligent steps

**1** **The pack is placed once into the system**

X-ray vision reveals the internal structure: cells, BMS, busbars, welds, fixation points

**2** **AI Decision**

The proprietary **SmartCut™** technology analyzes the scan, builds the safe disassembly map, and guides the system toward the optimal disassembly method.

**3** **Disassembly**

Disassembly operations, strictly guided by the **SmartCut™** map for maximum accuracy and safety

**4** **Clean Output**

The pack is separated into ready-to-handle components: housings, cells, wiring, electronics — all prepared for your preferred recycling path.

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