



RECOVERING YOUR HIGH- GRADE MATERIAL WITH UNPRECEDENTED PRECISION

Using RMI technology in multiple cycles,
until the desired purity level is reached

Inspec.tech's Material Recovery System represents a breakthrough in automated sorting technology.

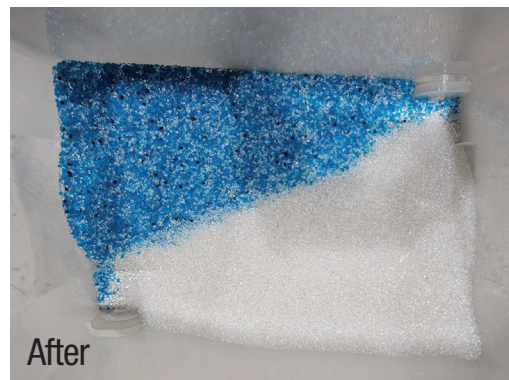
Built upon the company's proven RMI platform capabilities, this innovative solution combines advanced machine vision inspection with intelligent multi-cycle processing, automatically running materials through repeated sorting cycles until optimal purity is achieved.

The system excels at both color-based recovery - separating materials by color variations (e.g white pellets from blue pellets) and contamination-based sorting - identifying defects like black specks within otherwise uniform materials.

Available in multiple configurations - from cost-effective single-sided camera setups to precision dual-sided imaging systems - the technology adapts seamlessly to diverse operational requirements.

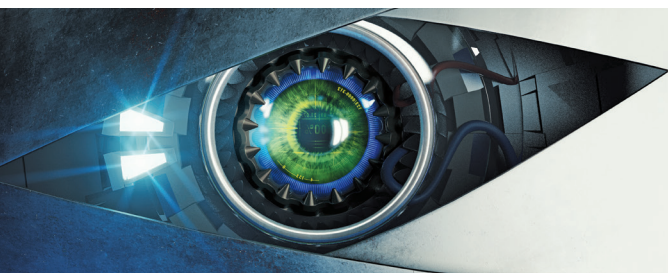


Before



After

Example of color-based sorting - one of two sorting options provided by the system, along with contamination-based sorting.



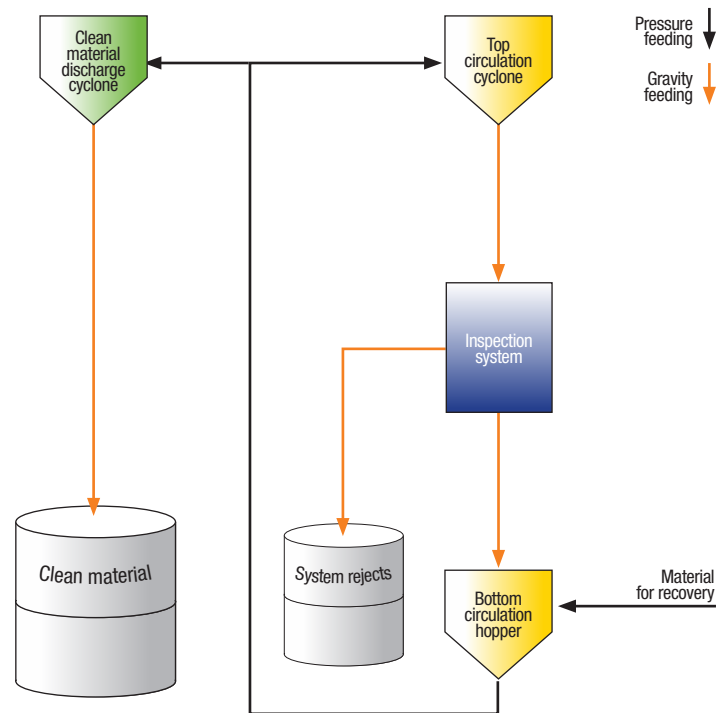
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SYSTEM HIGHLIGHTS

- **Automated Multi-Cycle Sorting** | Intelligent system that runs automatic sorting processes through multiple cycles until achieving desired purity levels, optimizing both throughput and quality.
- **Flexible System Configurations** | Choose between cost-effective single-sided systems, advanced dual-sided configurations for reduced cycle requirements, or precision sorting systems for maximum accuracy. The precision configuration achieves up to a 1:1 ratio between permissible (OK) pellets and defective (NOK) pellets ejected by the system, delivering unmatched recovery efficiency ideal for high-value materials.
- **Seamless Production Line Integration** | Dedicated material handling system enables full integration into existing production lines or standalone post-production operation.

HOW IT WORKS

Material recovery procedure



SYSTEM LAYOUT / SPACE REQUIREMENTS

