

Online battery sorting equipment for quick separation by revolutionary new way of handling batteries



SmartRAY

The environmentally friendly battery separation system



FORCE Technology now introduces the advanced measuring system for automatic online identification and separation of mixed used batteries for industrial use. The system enables you to maximise the net income of waste batteries and to reduce labour consumption.

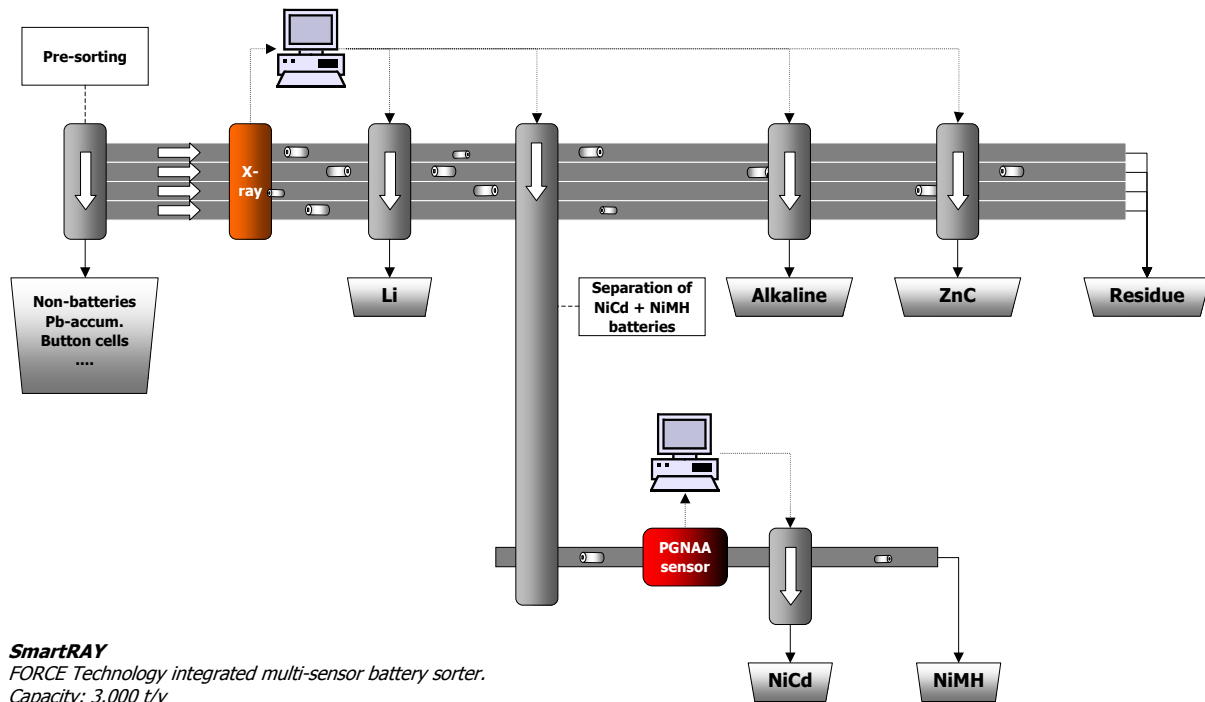
The new measuring system, SmartRAY, is based on FORCE Technology's many years' experience with design and construction of advanced non-destructive measuring systems for industrial use.

The SmartRAY is a multi sensor equipment that allows separation in six different categories in a fast and environmentally friendly way.

The SmartRAY can handle all kinds of batteries from AAA to D cells and all in between. Size and manufacture independent.

Advantages

- Very cost effective and sorting thousands of tons per year
- Non-contact testing
- Non destructive testing
- Very precise sorting, minimises the influence of human errors
- Reliable – no moving parts in sensor, no protruding parts in sample
- Independent of existing and future coding or labelling of batteries
- Eliminates human contact to potential leaking batteries.



Description

On the drawing batteries are moved along the conveyor from the left to the right. After the pre-sorting area the batteries are X-rayed and characterised in four different categories – Lithium, a mixture of NiCd and NiMH, Alkaline and ZnC. The mixture of NiCd and NiMH are now separated in the new developed PGNAA-separation unit. The system has a proven reliability of more than 99% and is customised for every client.

Documentations

The SmartRAY automatically generates sorting reports as documentation of capacity, number and weight of batteries in each fraction, etc.

System adjustment

The SmartRAY system is adjusted to conform to specified user needs concerning screen display layout, documentations and data storage.



Further information:

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Subject to changes without notice

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