

Liquisort Separation:

A close-up photograph showing a stream of small, multi-colored metal particles (likely a metal mix) being sorted into a blue liquid. The particles are piled up on the left side of the frame, and the liquid is on the right. The text 'GET THE MAXIMUM RECOVERY OUT OF YOUR METAL MIXES' is overlaid in large, white, bold letters with a blue outline.

GET THE MAXIMUM RECOVERY OUT OF YOUR METAL MIXES

Liquisort B.V. is specialized in the separation of metal mixes by use of the patented MDS-technology. This sustainable, highly innovative and patented revolutionary sorting method with an exceptional high sorting efficiency makes it possible to sort various metal mixes into clean, separated fractions. The patented MDS technology guarantees an exceedingly high degree of purity, resulting in the maximum benefit of the particular separated material flows.

DISCOVER OUR UNIQUE PATENTED SORTING METHOD

Because this separation technology uses just a single property of the material, namely its density, and does not depend on the size or shape of the particles it is possible to achieve an extremely clean separation

ADDED VALUE OF USING OUR PATENTED MDS TECHNOLOGY

- Excellent efficiency of the patented MDS sorters, especially for small particles, due to the low surface tension and viscosity of the sorting medium
- Recovery of ALL metals
- Optimised concentrations of the sorted metal fractions. This is very important and profitable since not all metals can be recovered at smelters and refineries
- High purity of ALL output streams
- The patented MDS technology is the best proven sorting technology for particle size range from 1-25 mm





● GET THE BEST PRICES OUT OF YOUR METAL MIXES

Liquisort upgrades various metal fractions. Where conventional sink/float systems can sort at a maximum density level of only 3.5kg/dm³, the patented MDS technology exceeds this by far (up to SD20) as it can sort metal fractions into clean aluminium, zinc - copper rich - lead and precious metal fractions.

Suitable for all kind of metal fractions 1-25 mm. For example:

- Non-ferrous metal fractions out of incineration processes
- Zorba XS (low, medium and high grade)
- Metal fractions out of electronic waste (WEEE)
- Mix fraction heavy non-ferrous metals
- Aluminium/copper mixes
- Copper/lead
- Various shredder metals

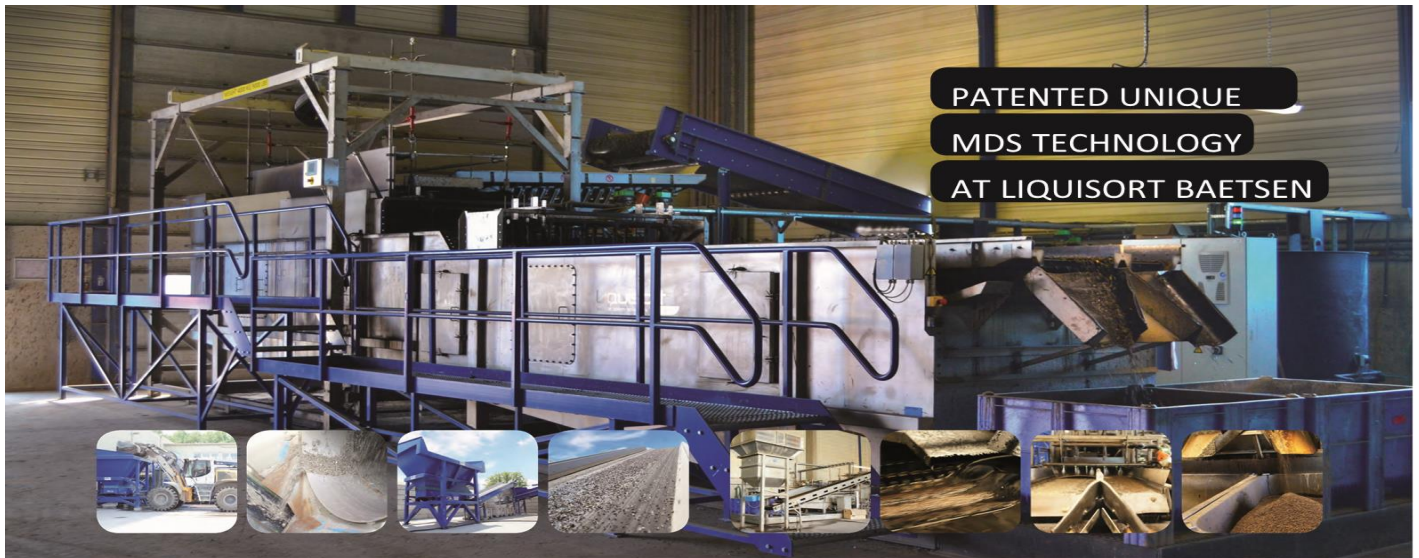


TRANSPARENCY THROUGHOUT THE ENTIRE PROCESS

The exact material content is released including the smelter analyses.

Recovery of ALL metals; mass balances are provided.

Maximum recovery and revenue are common goals because of the fact that the profit of Liquisort Baetsen is linked to the final value of the sorted fractions.



GET THE HIGHEST ENVIRONMENTAL STANDARDS WITH GREEN TECHNOLOGY

Liquisort operates, at their Veldhoven location, a state of the art recycling plant. At this highly innovative sorting line various non-ferrous metal streams can be separated in clean non-ferrous fractions. The core of this plant consists out of MDS separators. Beside the MDS separators all kind of other high-end machinery is integrated and high purity grade of the various end products is guaranteed. So are rare-earth magnetic systems and Eddy Current non-ferrous separators of the latest generation integrated in the process. Furthermore, Liquisort has a laboratory where, besides quality inspections, various tests can be accomplished.

BENEFITS OF MDS PROCESSING

- Useful Recovery of ALL components
- Sorting densities up to 20 kg/dm³
- Innovative green patented process.
- Low carbon footprint. CO₂ reduction up to 60%
- Optimal revenues and excellent precious metals recovery
- The patented MDS processing methodology is, given the current state of technology, superior to the usual method





WHAT'S IN IT FOR YOU

- Recovery of all metals; a mass balance is provided
- Maximum profit
- Secondary raw materials remain in Europa
- Concentration of input streams for smelters
- Makes it possible to recover all materials
- Less thermal loss; CO2 reduction up to 60%
- Improved environmental performance and maximised revenues
- Green technology; highest environmental standard
- Low carbon footprint; zero landfill and optimum CO2 reduction

MDS EQUIPMENT

- If you are seeking an improvement in your recycling process, by means of a more efficient sorting of your material flows with your final objective being to produce pure fractions.
- If you are seeking optimum reprocessing of your material blends to realise, in these times of raw material shortage, re-use as secondary commodities.
- If your vision to achieve this is by means of a socially responsible manner social liable trafficking, using sustainable innovative technologies, realising better company performances.
- If you are seeking positive, sustainable environmental targets and CO2 reduction.
- If you want to invest in revolutionary technology that guarantees higher profit margins and consolidates your market position.
- If your earning capacity and a fast payback time are of eminent importance to you and the dynamic and innovative business concepts are import key words.

MDS – Technology is the ANSWER!

Contact us for more information on this product and product range T: **01525 372714** E: Sales@LHS.uk.com
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