

sorting plant for non-ferrous metals



Highest demands in modern waste glass processing call for ever new procedures in the improvement of the materials to be processed. Ideally, materials should be re-used in a state free from any contaminants since even the most minor metal contamination proves problematic in glass production.

The compact Binder+Co NF sorting plant identifies metal particles from a size of 1 mm upwards. The sensor is immune to electromagnetic interferences, vibrations and humidity. Special emphasis in its development was placed on user-friendliness. It is also easy to maintain and to service.

The material flow is accelerated on a chute in the interior of the plant, and the bulk materials singled out. The NF detector with integrated data-processing unit is located directly behind the chute. The material crosses over a homogenous electromagnetic field which extends over the entire detection area. Size and location of the NF particles are identified by means of an integrated DSP (digital signal processor), and the pre-evaluated data is serially transmitted to the evaluation electronics unit so that the valves that are located on the blow-off strip are actuated at the correct time and place. This procedure then allows for a precise elimination of any metal particles with the help of compressed air.

The Binder+Co NF sorting plant is available in two designs: COMPACT and CLARITY. The COMPACT variant has a sensor with a sorting width of 500 mm. Apart from its smaller size, an additional advantage is the Compact's flexible modular design. In the CLARITY variant, the NF sorting plant operates at sorting widths of 1000 and 1400 mm, thus enabling flexible throughput rates ranging from 5 to 25 tonnes per hour – exactly matching individual customer requirements.

- Processing Technology
- Environmental Technology
- Bagging Technology

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