

## plastic recycling



Various plastics can be identified according to type and sorted using the same NIR sensor as used in paper processing. Plastics such as PET, PP, PE and/ or Tetra Pack differ in their chemical composition and can thus be identified by their different colour spectra. The system uses this effect to its advantage to identify and separate the various plastics.

Binder+Co's experience in the broad range of bulk materials processing and optical sorting has resulted in the unique multi way system – the CRITERION PLUS. The material is transported beneath the sensor by means of a special link belt and blown off by air pressure into discharge baskets mounted on the belt. The valves are located under the carrying run of the conveyor belt and the air jets operate through the belt links. In this way, up to four different kinds of plastics can be separated according to type in one working step.

It is also possible to fit out the CRITERION PLUS with an optional colour sensor. Single-material pure fractions can then be separated again on the basis of colour. Since various plastics can be transparent or non-transparent, the respective requirement can be fulfilled using a choice of reflected light or transmitted light systems.

- Processing Technology
- Environmental Technology
- Bagging Technology

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