



SORTING SYSTEMS FOR PACKAGING WASTE

▲ In case of recyclable materials a distinction is made between the packaging waste identified by e.g. the Green Dot (Germany), Eco Emballages (France), Valpack (England) and other 22 European countries, i.e. packaging waste collected in bags, barrels or recyclable material containers, and the recyclable material collected by the communities or third parties entrusted with the collection. These materials are mainly packaging waste:

- ▲ **PAPER & CARDBOARD**
- ▲ **CARTONS**
- ▲ **GLASS**
- ▲ **LIGHT-WEIGHT PACKAGINGS**
(packaging material of plastics, metals and compounds).



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PACKAGING WASTE

Such a dual system is operated by the Duales System Deutschland GmbH, for example. The Green Dot is their brand label, which may also be used by competitors according to the EU Commission as of April 20, 2001.

This system was established to avoid the logistic and hygienic problems of a taking-back in trade as a result of the taking-back obligation.

Sutco sorting systems separate this waste to recycle materials by mechanical and automatic sorting methods and to form fractions of them as well.

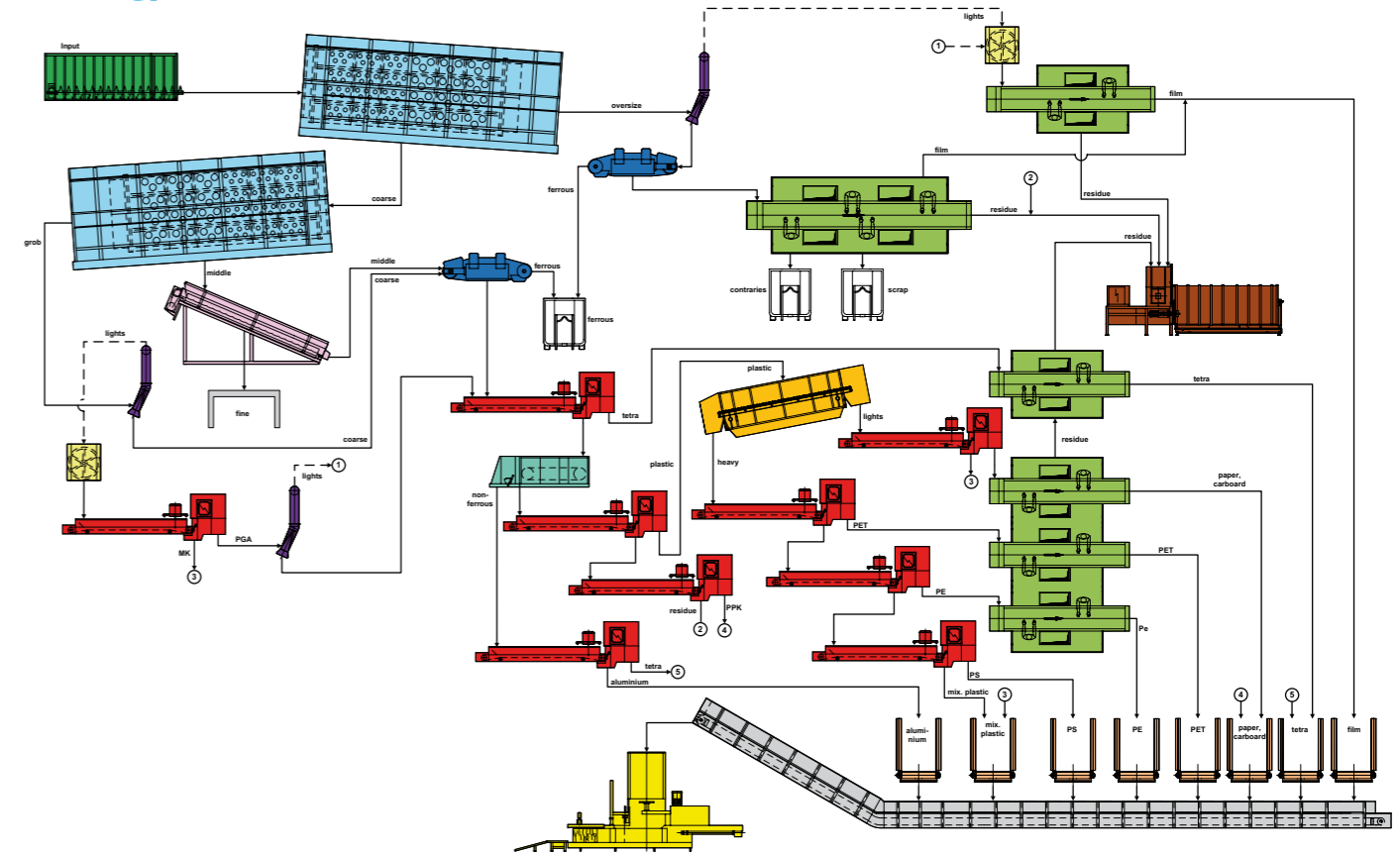
Key units such as bag openers, trommel screens (sorting of material by size), wind sifter (separation by weight), ballistic separators (tabular-light and heavy-rolling) magnets and eddy current separators sort the packaging waste and use the near infrared devices for fractioning.

Thanks to the qualitative combination of the equipment used the Sutco sorting systems achieve a high degree of purity and thus allow the marketing of exactly sorted fractions which can sold well as high-quality secondary raw materials.



EXAMPLE: SORTING SYSTEM FOR LIGHT-WEIGHT PACKAGING WASTE

INPUT: 12 MG/H



- ▶ Bag opener
- ▶ Trommel screen
- ▶ Screen fine
- ▶ Overband magnet
- ▶ Air knife
- ▶ NIR-Sensor
- ▶ Separator for non-ferrous metals
- ▶ Ballistic separator
- ▶ Picking cabin
- ▶ Press container
- ▶ Rotary feeder
- ▶ Bunker belt
- ▶ Chain conveyor
- ▶ Baler



SOME REFERENCES

SORTING SYSTEMS FOR LIGHT-WEIGHT PACKAGING

LVP-SORTING SYSTEM ISERLOHN

Site	Iserlohn, Germany
Plant	Automatical sorting system for packaging waste
Throughput	18 Mg/h
Customer	Lobbe, Iserlohn

LVP-SORTING SYSTEM OPPIN

Site	Oppin, Germany
Plant	Sorting of light-weight packagings
Throughput	15 Mg/h
Customer	Tönsmeier, Porta Westfalica

LVP-SORTING SYSTEM BOCHUM

Site	Bochum, Germany
Plant	Sorting of light-weight packagings
Throughput	12 Mg/h
Customer	Remondis, Lünen

LVP-SORTING SYSTEM SOLTAU

Site	Soltau, Germany
Plant	Sorting of light-weight packagings
Throughput	8 Mg/h
Customer	Abfallbeseitigung H. Cohrs, Soltau

LVP-SORTING SYSTEM HERNE

Site	Herne, Germany
Plant	Sorting of light-weight packagings
Throughput	12 Mg/h
Customer	Veolia, Herne

LVP-SORTING SYSTEM TROISDORF

Site	Troisdorf, Germany
Plant	Sorting of light-weight packagings
Throughput	8 Mg/h
Customer	Remondis, Lünen

