



The sorting plant is divided into a feeding hall and a processing hall.

Feeding hall:

- 4 feeding bunkers
- Main feed via sack opener
- Feed for loose co-mingled material
- Feed via bale opener for material already pressed into bales
- Feed for loose plastics (pre-sorted material)



Processing hall:

- Separating and dispensing unit (the material is separated into two independent lines)
- Ballistic separators
- Overband magnetic separators
- Eddy current separators
- Manual sorting cabins (equipped with heating and ventilation systems)
- Film extraction units (if the film is sorted by hand, the throughput can be increased by the installation of extraction units above the sorting line.)
- Near infra-red units (optical detection)
- Bi-directional bunker system
- Feeding line press for individual loads
- Control system (remote maintenance via modem)



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Products for tomorrow's world

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Innovation

Our product developers have proven their technical expertise and capacity for innovation time and again. STADLER® has received several innovation awards for intelligent sorting solutions. True service only begins when the current project has been delivered; with strong support and service back up. We react quickly and reliably and carry out repairs in record time so that your downtimes are kept to a minimum. Service from STADLER® is based on your operational requirements. For this reason, STADLER® is the right partner for you. Call us – we will provide you with all the information you need for your project.



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Engineering at its best



Sorting plant for co-mingled material

The STADLER® sorting plant is loaded with materials from collection vehicles (pavement collection).

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Recyclable material fractions:
Cardboard, plastic film, aluminium, metal, refuse (fine fraction unsorted material < 45 mm), newspapers, mixed paper, PET transparent, PET coloured, HDPE natural, HDPE coloured (mixed)



Boxes

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The project:

Cutts Recycling has signed a contract to recover material from the co-mingled material flow.

This plant processes only co-mingled material with a minimum throughput of 25 tonnes per hour.

Specifications input: (average)

- Newspapers and magazines (29%)
- Cardboard (4%)
- Co-mingled paper (34%)
- Plastic film (4%)
- Plastic, HDPE (5%)
- Plastic, PET (3%)
- Other plastics (4%)
- Metal (4%)
- Non-metal (2%)
- Textiles (2%)
- Dirt accumulations, non-recyclable such as fines, glass, WEEE (9%)

Specifications output:

The main products which are recovered can be divided into 3 main categories: paper, plastic and metal.

Sub-categories:

Cardboard, plastic film, aluminium, metal, refuse (fine fraction unsorted material < 45 mm) newspapers and magazines, mixed paper, PET transparent, PET coloured, HDPE natural, HDPE coloured (mixed)