Bollegraaf

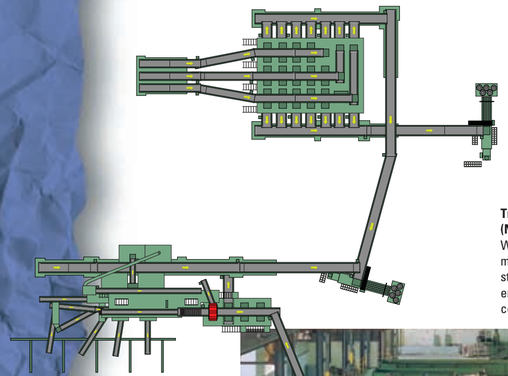
Sorting Systems

HB PERSEN

Bollegraaf. Big in making recyclables small.

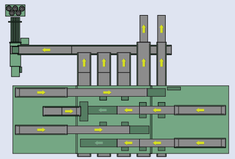
In Practice

Bollegraaf Recycling Machinery has become a household name in the recycling industry as a developer and manufacturer of high-quality machinery, systems and accessories. Bollegraaf's (fully automatic) balers, shredders, belt conveyors, star screens and other products are proving their value every day all over the world. Bollegraaf can tailor-make a system for sorting and processing waste streams to fit in your building or to fit an existing system you may already have.

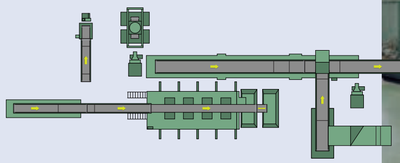


Triple Line sorting system for waste paper (Newark, New Jersey, USA)
Waste paper from domestic sources is sorted manually on three sorting lines and stored in storage conveyors. Full storage conveyors are emptied automatically and the waste paper is compacted in the HBC 140 baler.

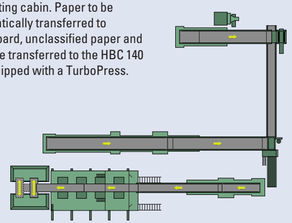
Sorting system for waste streams from supermarket chain (Brussels, Belgium)
The waste supply from this supermarket distribution center contains cardboard, plastics, vegetable waste, wood waste, tying materials and out-of-date items. After sorting, via the storage conveyors, the recyclable fractions are compacted in the HBC 60 baler. The remaining material is removed in containers via compactors.



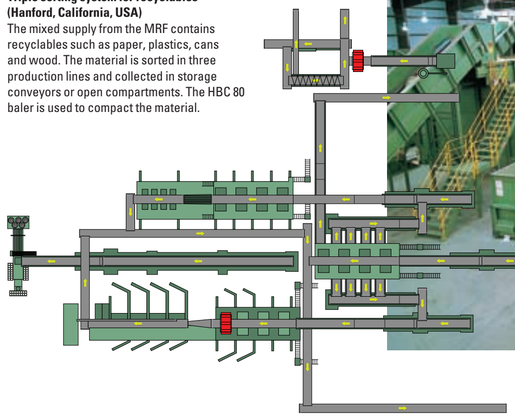
Sorting system for industrial waste paper (Hoya, Germany)
This complicated sorting system entails a reel splitter, shredder and an HBC 110 baler. There is an airconditioned sorting cabin where the staff can sort the waste paper in comfort. Large reels are cut with the reel splitter and then shredded. The sorted or shredded material is compacted in the HBC 110 baler.



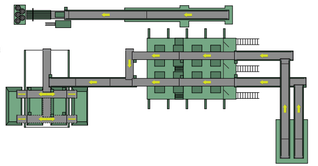
Sorting system for waste paper with container loading station: 10 tons per hour (Soesterberg, Netherlands)
Domestic waste paper is sorted manually in an airconditioned sorting cabin. Paper to be de-inked is automatically transferred to containers. Cardboard, unclassified paper and shredded paper are transferred to the HBC 140 baler, which is equipped with a TurboPress.



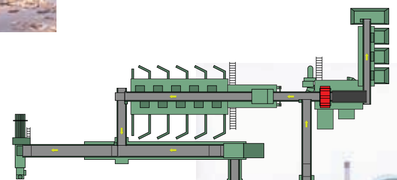
Triple sorting system for recyclables (Hanford, California, USA)
The mixed supply from the MRF contains recyclables such as paper, plastics, cans and wood. The material is sorted in three production lines and collected in storage conveyors or open compartments. The HBC 80 baler is used to compact the material.

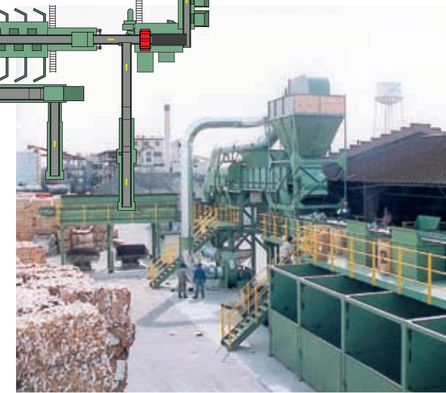


Double line sorting system for waste paper: 30 tons per hour (Essen, Germany)
The domestic waste is sorted manually at two sorting lines in an airconditioned area. The de-inking paper is collected via a loading station with four containers. The sorted paper is transferred via chain conveyors to the HBC 60 baler for further compaction.

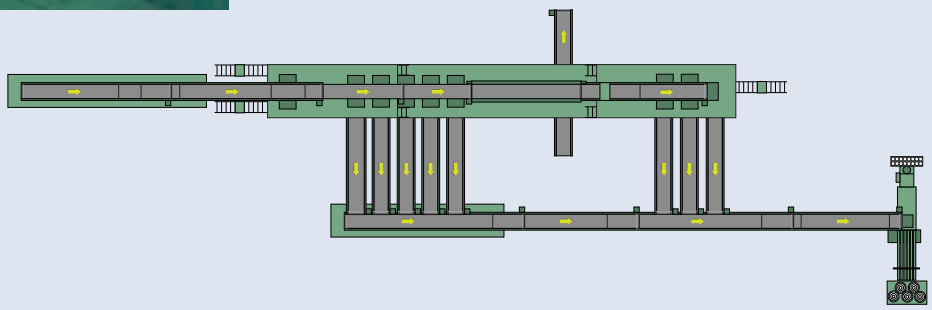


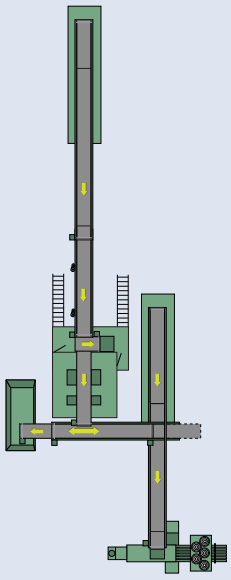
Commingled sorting system and waste paper system: 10 tons per hour (Los Angles, California, USA)
A central conveyor feeds the commingled material consisting of glass, plastic and cans into the system. Both air separation and manual separation classify the plastic fractions, while a magnetic separator and an Eddy Current separator classify cans. The waste paper is classified manually from a separate sorting conveyor. Bulky material is then compacted in the HBC 100 baler.





Office Waste sorting system: 20 tons per hour (Newark, New Jersey, USA)
This system is specifically geared to office waste and contains, among other things, a RotoScreen trommel and an HBC 100 baler. The material is supplied to the sorting line by a belt conveyor where bulky types of paper are sorted manually. Peels, cans, tops, etc. are removed from the other material through the RotoScreen, followed by manual classifying. The better types of paper are then collected in storage conveyors. They are then compacted to tight bales in the HBC 100 baler.

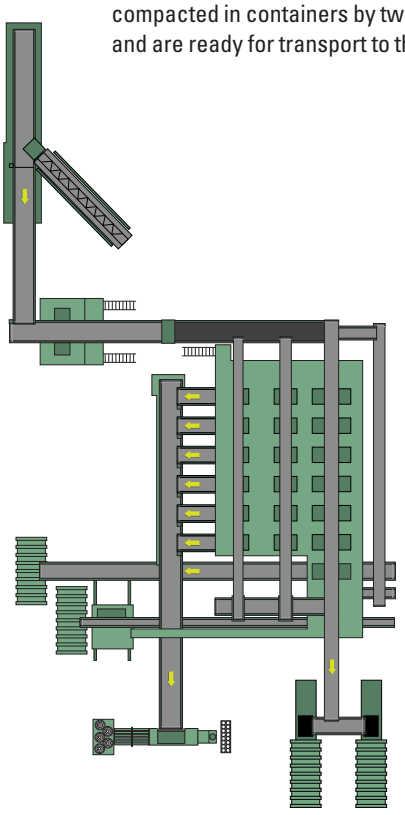




Sorting system for de-inking paper: 15 tons per hour (Nieuwe Pekela, Netherlands)
This system contains, for instance, a PaperStar, an HBC 80 baler and a loading station for two containers for domestic waste paper processing. This deals with domestic waste paper processing. The paper stream runs through the PaperStar, which is a star screen that mechanically classifies the bulk of the cardboard fraction. The remaining material is processed manually and the de-inking paper is transferred to one of the two loading station containers or to the baler for further compacting. This HBC 80 baler also processes the cardboard and other waste paper.

Single Stream sorting system:
20 tons per hour (USA)
This system processes mixed composition recyclable materials such as waste paper, plastics, glass and cans. After pre-sorting, the material passes a double StarScreen where the bulk of the news is automatically removed. The second StarScreen is positioned at a slope so that the remaining paper and all containers are separated automatically. Cans are removed by a magnetic and an Eddy Current separator, while the other materials are sorted manually. The recyclables are compacted in the HBC 80 baler.

Solid Waste sorting system: 25 tons per hour (Ipswich, England)
This complicated system processes bags of domestic waste. As they arrive, a bag breaker automatically opens the bags. The material is then pre-sorted and passed over a StarScreen, which classifies into four fraction sizes. The recyclable materials are processed manually in three sorting lines and collected in storage conveyors. A magnet and Eddy Current separators remove the cans. Recyclables are compacted in the HBC 80 baler. The non-recyclable materials are compacted in containers by two compactors and are ready for transport to the landfill.



Want to know more?
You can see Bollegraaf's sorting systems just about anywhere in the world. Each system is fully matched to its specific use and satisfies the highest quality requirements. Just some of Bollegraaf's distinguishing advantages are durability, reliability, high performance at low power consumption and high efficiency at minimum manpower.

If you want to know more about the possibilities, please contact Bollegraaf Recycling Machinery.

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