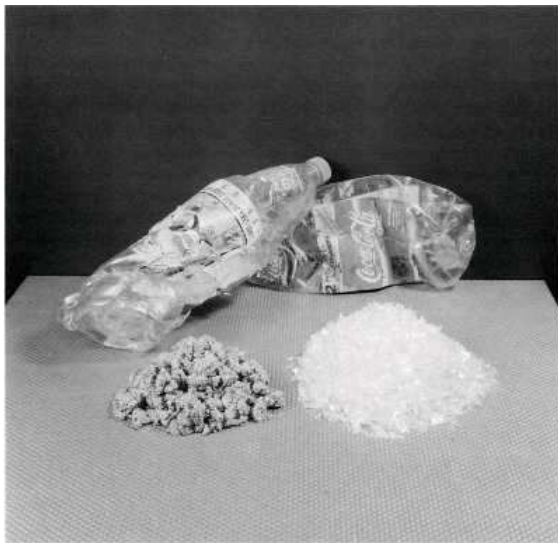


Separating Paper Labels from Plastic Granulate



A new process now allows the economic recycling of in-mould labelled containers. This HERBOLD development is of particular interest to recycling agents. It has opened up a whole new field of recycling for the manufacturers of plastic bottles and containers as well as for those operating filling plants.



The HERBOLD solution: wet granulating - the containers are getting size-reduced in a granulator fed with water. The friction caused by the reduction process combined with the thorough soaking loosens the labels. To this purpose HERBOLD offers special wet granulators that are protected against corrosion and fitted with outward bearings.

After leaving the wet granulator the material is left to soak in a storage silo before being fed to a mechanical drier: the T 1001 in which the paper particles are easily separated from the plastic granulate.

The origin of the paper is not decisive for this process: whether labels, protective covering or simply paper mixed with plastic. An absolutely clean and paper-free final product is achieved after the material has passed through the process line consisting of a wet granulator and a subsequent drier.

This reduction system can be employed extremely economically when the granulator has been designed for universal applications - a modification from wet to dry granulating allows the recycling of other production scrap as well. A further modification is possible to convert the unit to become the HERBOLD model S granulator. This granulator type even allows for the largest start-up lump to get processed into a high-value raw material - scrap that many blow moulders often do not reuse at all.

In the past, the recycling of this type of plastic scrap with labels firmly attached to an otherwise clean material was difficult. Dry processes using cyclones were a failure. Special melt filtration was too complicated. The container manufacturers had no choice but to manually have the labels cut out of the rejects - apart from the wasted material, this was also a time intensive and expensive exercise.



Our product range

- Granulators
- Pulverizing Systems
- Shredders
- Hammer Mills
- HOG Shredders
- Guillotines
- Washing Systems
- Plastcompactors

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