

# HERBOLD

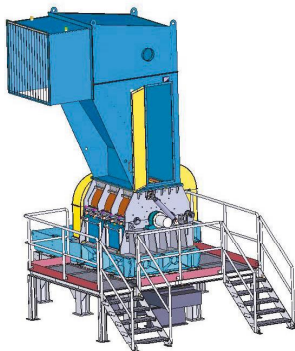


## HERBOLD High Speed Shredder

The applications of plastic waste recycling become more and more complicated: the feeding material is characterised by a steadily growing contamination and an increasing percentage of foreign bodies. One reason for this are the new sorting procedures; another reason is the fact that more and more frequently, streams of waste materials that in the past could not be recycled at all, or only after a preceding time-consuming and costly manual preparation, are nowadays treated fully-automatically.

Such applications ask for new solutions in machine technology: the HERBOLD high speed shredder is a modified impact hammer mill that can cope with these problems.

HERBOLD high speed shredder



HERBOLD high speed shredder HM 100/150 during assembly



Here are two typical application examples of the HERBOLD high speed shredder:

**Plastic window profiles** are compound materials consisting of rigid PVC profiles, metals, glass, wood and rubber joints. In order to be able to separate this composite material efficiently once it has been ground, a selective size reduction is necessary: The HERBOLD high speed shredder with little running costs is appropriate for this application; especially its insensitivity to massive foreign bodies is unequalled with this size reduction procedure.



Pendulous beaters are used as cutting tools: these are much more insensitive against foreign bodies due to their ability to avoid foreign bodies. Another advantage is their much quicker exchange in comparison to single- or two-shaft shredders.

The HERBOLD high speed shredder can be used as a dry or wet shredder. The high friction arising during the wet operation of the machine is a pleasant side effect that will considerably facilitate an intensive washing and at the same time will remove coatings, paint or labels.

If **hollow bodies and bottles** are ground, especially in the field of polyolefines, another advantage shows its effect: this material is not only highly contaminated with foreign bodies (e.g. steel handles of pales), but it is also extremely abrasive.

The HERBOLD high speed shredder does not need regular welding at the rotor or at the housing. Everywhere where wear shows, due to the exchangeable armoured

plates, a quick exchange of the affected surfaces can be made. And the cutting tools of the HERBOLD high speed shredder are extremely cheap. In addition to this, the operating expenses of this machine are surprisingly economical.



<b>Technical Data:</b>		
Type	HM 100/100 PR	HM 100/150 PR
Diameter of rotor (mm)	1000	1000
Drive width (mm)	1000	1500
Feed opening (mm)	1200 x 1000	1200 x 1500
Drive capacity (kW)	75 - 200	90 - 250
Throughput capacity (t/h)	0,8 - 5	1,2 - 8



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