

## HERBOLD Hammer Mills - Series HM 100/... :

An exceptional design for exceptional applications



HERBOLD has developed a new series of hammer mills, particularly for waste recycling, that have been especially designed for the most difficult demands in the field of industrial recovery. The units are available in 4 different sizes and cover a wide range of capacities with drive motors from 45 to 132 kW (60 to 180 HP) and throughputs up to 200 m<sup>3</sup>/h (7200 cft/hr).

Typical applications of the HM 100 series of hammer mills are:

**Production of potting earth:** Breaking lumps of clay from the earth.

**Production of peat:** Size-reduction without the risks of clogging and jamming even under extreme conditions (e.g. lumps caused by frost).

**Production of compost:** Fine size reduction of mature compost with minimum problems of wear and tear. As the unit operates without a screen, sludge can be fed simultaneously into the reduction process.

**Recovery of old wood:** High power coarse and fine reduction of old wood with high throughputs.

- If required the machine can be supplied with a wear armour-plated housing fitted with removable special steel protection plates.
- The large rotor diameter allows the impact hammers to turn by an angle of 360° to avoid any resistance from foreign matter that might enter the mill.
- The mill is fitted with two rows of combs allowing coarse reduction without a screen and without the danger of clogging. When a screen is fitted the combs reduce the impact onto the screen surface.
- The rotor bearings are completely separated from the crushing chamber so that the bearing seals are well protected.
- The very large cross section of the feed opening permits the feed of bulky material without the risk of bridging.

### Technical data:

Type HM		100/60	100/100	100/150	100/200
Feed opening	[mm]	1026 x 650	1026 x 1000	1026 x 1500	1026 x 2000
	[inch]	40 1/2 x 25 1/2	40 1/2 x 39 1/2	40 1/2 x 59	40 1/2 x 79
Drive motor	[kW]	45 - 90	55 - 110	75 - 132	75 - 132
	[HP]	60 - 120	75 - 150	100 - 180	100 - 180
Weight appr.	[kg]	6200	8000	10000	12500
	[lbs]	13600	18000	22000	28000

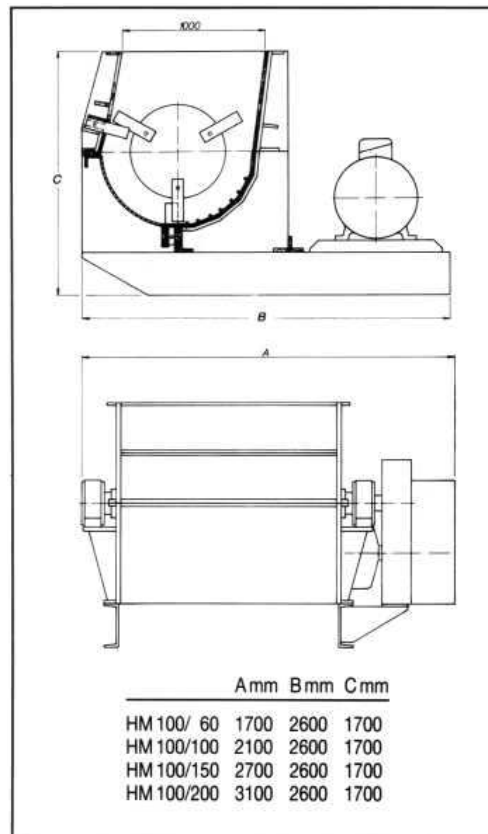
### Design features:

The HERBOLD HM hammer mills are extremely sturdy. The features listed below speak for themselves:

- 180 mm (7") Ø bearing
- 200 mm (8") Ø rotor shaft
- impact hammers 300 mm (12") long, with a cross section of 80/30 mm (3/1")
- Hammer support shafts 35 mm (1 3/8") Ø

The structural design of the mills differs considerably from conventional hammer mills.

- The housing is made of fracture resistant welded steel. Even the bearing housings are made of fracture resistant steel to prevent damage due to vibration and jolting.



### The HERBOLD concept - "custom made" machines

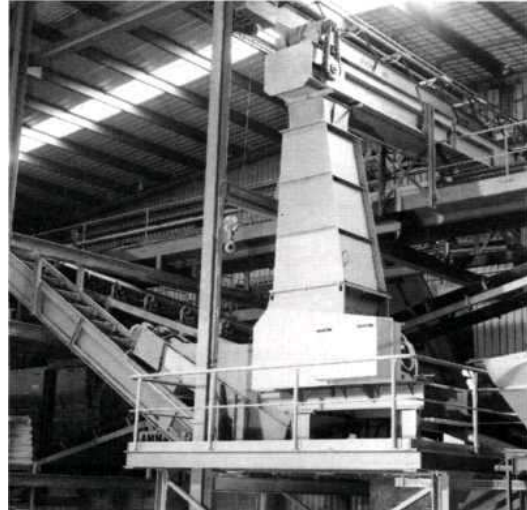
The best recycling or recovery system is only half of its value if it is not suited for the production line, i.e. the particular requirements of the company using it. For this reason we make every effort to assist our customers by developing specially designed systems for their individual size reduction problems taking into account the space available.

The machines and systems outlined here represent only a part of our complete equipment programme.

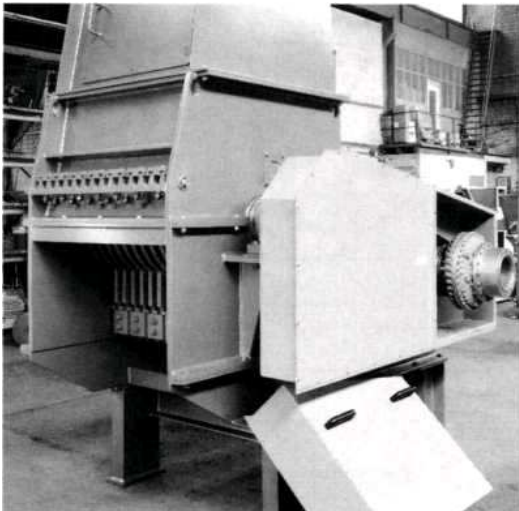
Additionally we offer a number of specially designed models and are always prepared to develop new concepts.

#### Put us to the test!

We will run free tests with your material - with no obligation on your part whatsoever - to determine the best solution to your specific recycling or recovery problem.



If requested we carry out the planning and the commissioning of complete systems  
- the photos show a down stream reduction system at a compost plant.



HM 100/100 with a hydraulic clutch for high speed operation.



Portable model for composting bark.



#### Our product range

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

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