

HERBOLD



HERBOLD Granulators with Forced Feeding Device

HERBOLD has developed a new way of feeding granulators:

Materials that need to be size-reduced no longer require a gravity-induced fall to enter the grinding chamber. The material is evenly and horizontally fed into the rotor with the help of feeding screws. This way of material feeding shows the following advantages compared to the traditional configuration:

- Higher throughput (30% to 50% more capacity with the same cutting chamber in size, compared to gravity-fed machines)
- Less power consumption (30% to 50% smaller motor with the same capacity as standard gravity-fed granulators)
- Suitable for dry and wet operation (washing granulator for post-consumer plastics)
- The rotor is evenly loaded (fewer fines and dust in the regrind)
- Reduced acoustic emission
- No fly-back

A special advantage for the operator is the possibility of feeding a larger quantity of material into the storage tank; this quantity is then automatically conveyed into the granulator. So it will not be necessary for the operator to continuously feed the material manually. Another advantage is the increased degree of protection for the operator by preventing material fly-back. The large opening required for belt or manual feeding is no longer necessary, this reduces the acoustic emission even more.

Possible ways of loading are with a fork lift or with a gaylord dumper or with a belt conveyor.

HERBOLD MECKESHEIM - granulator model SML 60/100 SB



SML 60/100 SB (open)



PET Bottles: a typical infeed material for the HERBOLD granulator with forced feeding

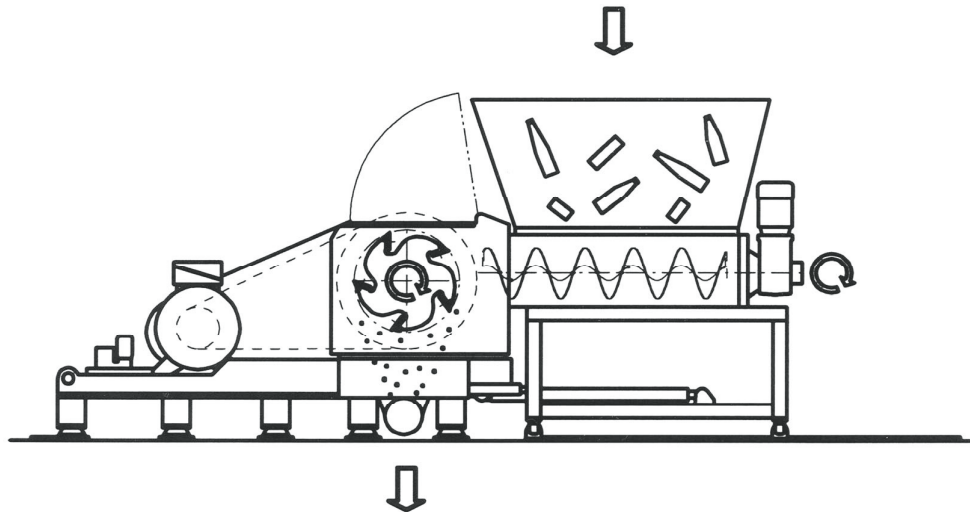


Another application for the SB-line of HERBOLD granulators is the second stage granulation next-in-line to a preliminary shredder.

Technical Data HERBOLD Granulator of the SB series:

Type		45/60	60/100	60/145	80/160	80/200
Rotor diameter	mm	450	600	600	800	800
	inch	18	24	24	31	31
Rotor width	mm	600	1000	1450	1600	2000
	inch	24	39	57	63	79
Drive motor	kW	30-55	55-90	75-110	90-132	110-160
	HP	40-75	75-125	100-150	125-180	150-220
Feed opening	appr. mm	600 x 620	980 x 1300	1488 x 1300	1580 x 1300	1900 x 1300
	appr. inch	23 x 51	39 x 51	59 x 51	62 x 51	75 x 51
Throughput * PET						
Bottles 12 mm screen	t/h	1-1,5	2-3	2,5-4	3-5	4-7

* appr. value corresponds to the least and the strongest motorization, with sharp knives



Our product range

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

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