

Extended width granulators for very wide waste



SML 16/60 closed

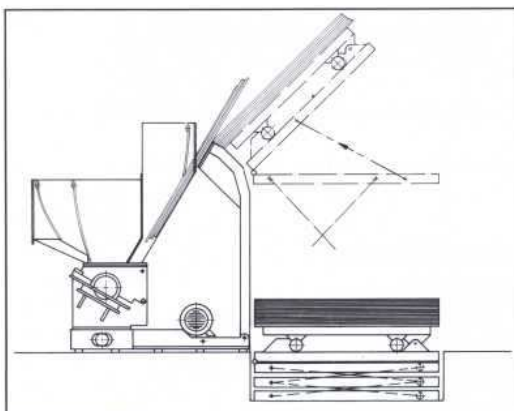


SML 16/60 open

HERBOLD offers special granulators for the size reduction of particularly wide waste, e.g. vacuum-formed web scrap from thermoforming machines or panel waste. These units are specially manufactured as wider standard granulators. Machines with a width of 600 - 1600 mm (23.5 - 63") are readily available and wider models can be supplied upon request.

Feeding takes place via:

- a feed hopper if the waste is in individual pieces (see sketch)
- a pull-in device, e.g. feed rollers for endless material
- an additional feed device in cases where small pieces of material (rejects) are also to be treated in the same machine.



Granulator equipped with sheet feed hopper and an additional feed-opening for manual feeding.

The feed devices have a number of interesting details:

- Both of the rollers - one of which is self-aligning - are driven via a multi-directional chain mechanism. The double drive ensures trouble free feeding for all types of material including corrugated and bent products.
- As a special accessory the unit can be fitted with an automatic stop and reverse mechanism. This mechanism is put into operation should webbing that still contains formed pieces jam in the feeding device..
- As a standard fitting the units are equipped with a special winder motor which automatically adjusts its running speed to suit that of the extruder. When using the unit in timed sequences there is no jerking due to the switching on and off of the machine, thus protecting it from damage. Should a longer interruption occur, the drive automatically adjusts itself to the idling mode. This drive system ensures less wear and tear and is very trouble-free compared to conventionally switched, geared motors.
- If a simultaneous size reduction of reject pieces is required, it will be possible to select a wide granulator. In this case the feeding-roll device is considerably narrower than the rotor. Thus, the remaining rotor width can be used for the installation of a small manual feed hopper.

The smaller models are supplied with an integrated noise protection housing - mobile on request. For the larger units sturdy removable noise protection casings are available.

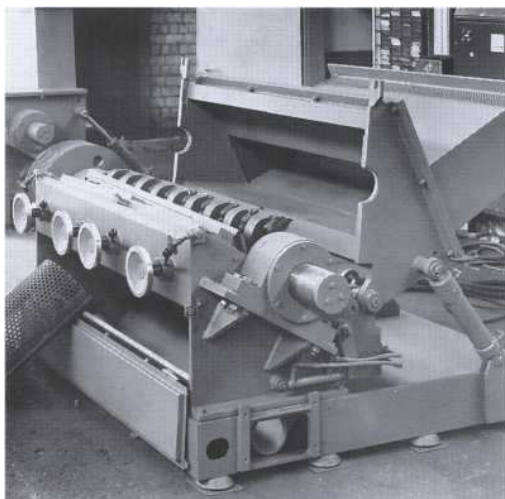
Type	Throughput*** kg/h with				Max. feed width**	Drive power	Max. material thickness*
	screen Ø 4 mm 1/8"	screen Ø 6 mm 1/4"	screen Ø 8 mm 5/16"	screen Ø 10 mm 3/8"	mm inches	kW HP	mm inches
SML 16/60 S3-1	40 - 60 80 - 125 lbs	80 - 100 175 - 225 lbs	100 - 120 225 - 275 lbs	120 - 150 275 - 325 lbs	650 25.5"	4 - 7,5 5.5 - 10 HP	3 1/8"
SML 16/90 S3-1	60 - 80 125 - 175 lbs	100 - 120 225 - 265 lbs	150 - 180 325 - 400 lbs	180 - 250 400 - 550 lbs	970 38.2"	5,5 - 11 7.5 - 15 HP	3 1/8"
SML 30/80 S3-1	80 - 100 175 - 225 lbs	120 - 150 275 - 325 lbs	200 - 250 450 - 550 lbs	250 - 300 550 - 650 lbs	790 31.1"	7,5 - 22 10 - 30 HP	6 1/4"
SML 30/100 L3-1	100 - 120 225 - 275 lbs	150 - 160 325 - 350 lbs	250 - 300 550 - 650 lbs	350 - 400 775 - 875 lbs	960 37.8"	11 - 30 15 - 40 HP	6 1/4"
SML 30/150 L3-1	150 - 180 325 - 400 lbs	180 - 200 400 - 450 lbs	300 - 400 650 - 875 lbs	400 - 500 875 - 1100 lbs	1430 56.3"	15 - 30 20 - 40 HP	6 1/4"
SML 45/100 L4-1	200 - 250 450 - 550 lbs	300 - 400 650 - 875 lbs	500 - 800 1100 - 1750 lbs	600 - 1000 1325 - 2200 lbs	980 38.5"	22 - 55 30 - 75 HP	8 5/16"
SMS 45/100 H5-2	250 - 300 550 - 650 lbs	400 - 500 875 - 110 lbs	750 - 1000 1650 - 2200 lbs	800 - 1200 1750 - 2650 lbs	980 38.5"	30 - 75 40 - 100 HP	20 3/4"
SMS 45/160 H5-2	400 - 800 875 - 1750 lbs	600 - 800 1325 - 1750 lbs	1000 - 2000 2200 - 4400 lbs	1500 - 2500 3300 - 5500 lbs	1580 62.2"	45 - 110 75 - 150 HP	20 3/4"

* For particularly tough material (e.g. PC) approx. 30 % less than stated values

** If equipped with feed roll device approx. 100 mm (4") less (if an additional hopper for small pieces is fitted less than 300 mm (12")).

*** For high impact PS, thickness 1 mm (.039") (dependant on method of feeding - values are only approximate)

Specifications are not binding and subject to changes without notice.



SMS 45/160 with feed hopper



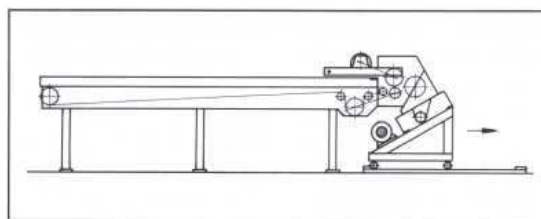
SML 30/150 with feed roll device

All of these machines have the advantageous aspects of the HERBOLD granulators. A special aspect of particular importance for this application is the double cross cutting action (rotor and stator cutting blades are positioned diagonally opposed to each other) guaranteeing quiet operation with few fines and low power consumption.

Particular attention has been paid to an easy accessibility of the machines for service and maintenance purposes.

Special models

HERBOLD also supplies custom-designed machines for special applications, e.g. horizontal feed by means of a feed conveyor (see sketch).



Granulator with feed-roll device for horizontal feeding of panels.

Our product range

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

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