

Herbold Granulators SML-C Series



*SML 35/42
C
with
manual
feed
hopper*

- with integrated noise protection
- compact and space-saving design
- low-noise size reduction by integrated sound insulation
- reduced power consumption due to double cross cutting action
- optimum access to the cutting chamber for cleaning and maintenance
- constant cutting circle due to adjustable knives

Different designs and levels of sound insulation

The C-series of compact Herbold granulators is specially designed for applications where maximum noise reduction is important. They can be used

- as beside-the-press granulators next to blow moulding and injection moulding automatics,
- for in-line processing of film and thermoforming,
- as central granulators for the low-noise size reduction in the production area.

The C-series has the typical advantages of all the Herbold granulators:

- the construction is of sturdy welded steel
- the housing is divided at an inclined angle
- the bearings are completely separated from the cutting chamber
- the rotor and bed knives can be adjusted outside of the granulator
- the granulators of the C-series are equipped with an extra flywheel
- a constant cutting circle is maintained between rotor knives and screen

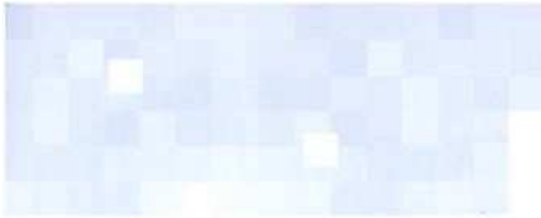
Space-saving and compact design

- Only compact and space-saving equipment can be integrated directly into the production plant. The Herbold granulators of the C-series meet this standard. The low profile design allows easy feeding by hand.



SML 35/42 with integrated sound proofing, roller feeding device and gathering hopper





Low-noise size reduction by integrated sound insulation

- Low-noise size reduction by integrated sound insulation: the Herbold granulators of the C-series are equipped to reduce noise resulting from the grinding process. According to the customer's requirements and to the grinding material the C granulators are also available without sound absorbing panelling.



The SML granulator series exists as well as low-speed granulators (SML-LS).

Double cross cutting action and external rotor bearings

The rotor and bed knives are mounted at the same but opposite angle and ensure a steady cutting gap across the full length of the knife. The power requirement and the risk of jamming are therefore considerably reduced, the lugging ability is increased, and the quality of the regrind is improved - it contains less fines and its bulk density is higher!

The rotor bearings of all Herbold granulators are located in outside steel pillow blocks: no material can enter the bearings and grease cannot come into contact with the product in case the sealing should leak.

Optimum access to the cutting chamber and the granulator for easy cleaning and maintenance

- To provide access to the rotor, the upper section of the two-piece casing can be hinged back by means of a manual hydraulic device. Now, the cutting chamber is freely accessible. To permit access to the screen, the screen support must be hinged down. The screen can then quickly be changed and the cutting chamber is accessible from the front. Easy and quick cleaning and maintenance are typical features of the Herbold granulators.



Adjustment fixture to pre-adjust the cutters outside of the machine

Easy access to the cutting chamber



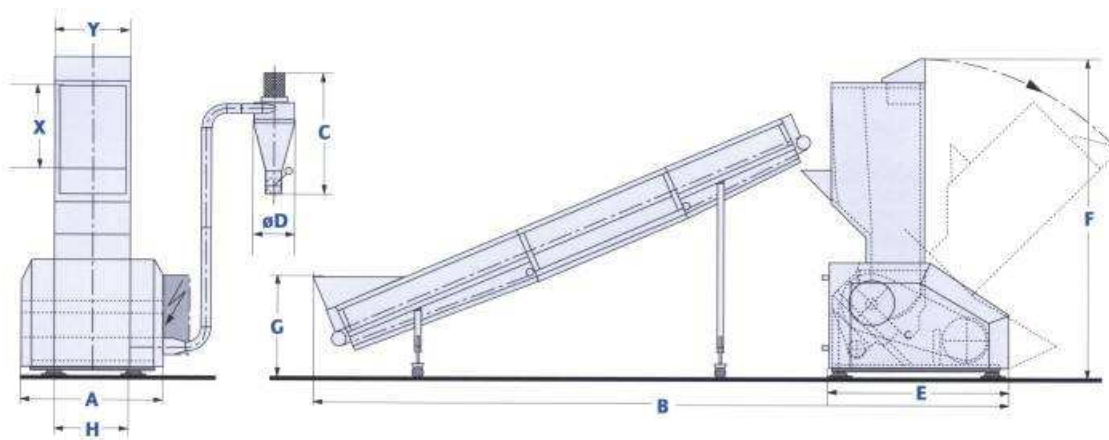
Convincing, user-oriented solutions

Technical Data

* Capacity depending on screen size, material and rotation

| Type | Dimensions mm / inches | | | | | | | | | | | Weight kg/ lb | TI l |
|----------------|------------------------------|---------------------|----------------------|---------------------|--------------------|---------------------|---------------------|--------------------|--------------------|------------------------|-------------------------|---------------------|---------|
| | X/Y feed opening | A | B | C | Ø D | E | F | G | H belt | Drive standard | Drive maximum | | |
| SML 22/30 C | 220/300 8.7/11.8 | 780 30.7 | 2400 94.5 | 1160 45.7 | 300 11.8 | 960 37.8 | 1840 72.4 | 420 16.5 | 250 9.8 | 7.5 kW 10 hp | 11 kW 15 hp | 600 1330 | |
| SML 35/42 C | 320/420 12.6/16.5 | 1080 42.5 | 2700 106.3 | 1590 62.6 | 400 15.7 | 1190 46.8 | 1980 77.9 | 420 16.5 | 350 13.8 | 15 kW 20 hp | 18.5 kW 25 hp | 1000 2200 | |
| SML 35/70 C | 320/650 12.6/25.6 | 1410 55.5 | 2700 106.3 | 1590 62.6 | 400 15.7 | 1190 46.8 | 1980 77.9 | 420 16.5 | 500 19.7 | 22 kW 29 hp | 30 kW 40 hp | 1800 3960 | |
| SML 45/70 C | 450/650 17.5/25.6 | 1410 55.5 | 3600 141.7 | 1590 62.6 | 400 15.7 | 1220 48.0 | 2390 94.1 | 420 16.5 | 600 23.6 | 37 kW 50 hp | 45 kW 60 hp | 2500 5520 | 2 |
| SML 45/101 | 450/1000 17.5/39.4 | 1710 67.3 | 3900 153.5 | 1800 70.9 | 500 19.7 | 1220 48.0 | 2390 94.1 | 420 16.5 | 900 35.4 | 55 kW 75 hp | 75 kW 100 hp | 3750 8270 | 4 |

SML 30/50 SML 30/80 SML 45/100 SML 60/100 SML 60/145 Please ask for our SML brochure.



Herbold Size Reduction Technology. A wide size reduction product range for processing a large variety of waste and products.

Recycling processes and technology must be seamlessly integrated in the course of manufacture and adapted to specific circumstances. Based on the requirements and the feedback of our customers we develop solutions tailored to their individual needs. Critical factors are the space available, the details of the manufacturing process and of the materials to be size-reduced as well as the quality of the final product.

The models and plants presented in this brochure are a selection of our wide range of products. Herbold Meckesheim GmbH also offers a number of special designs and realizes custom-tailored solutions..

Specifications are not binding and subject to change without notice.

Our product range

- Granulators
- Pulverizing systems
- Shredders
- Hammer mills
- Guillotines
- Complete washing systems and components
- HOG shredders
- Plastcompactors

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