

HERBOLD beside-the-press-grinders with sound insulation lock, for large injection moulded and blow moulded parts

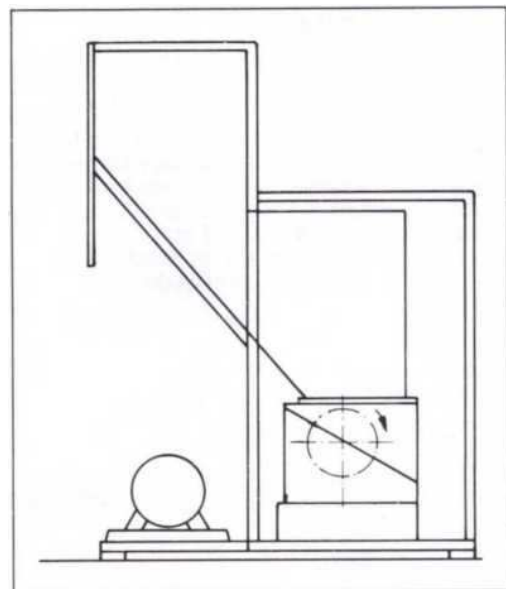


Up to now, size reduction by means of low-noise beside-the-press-granulators has always been combined with a lot of compromises: To eliminate the noise coming out of the feed opening the grinder had to be

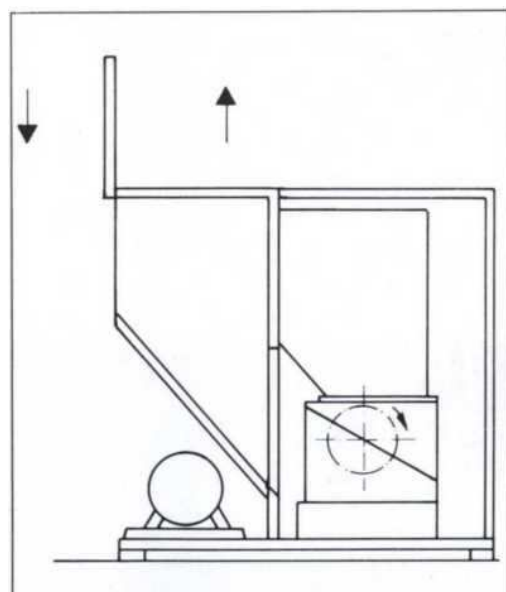
1. equipped with a perforated sandwich hopper which means very difficult cleaning and long down-times for cleaning purposes
2. adapted for installation either for a conveyor feed belt with a sound damping tunnel or in a pit..



grinder with hopper in operating position



grinder with hopper in feeding position



Both solutions are difficult to realise due to cleaning problems (a lot of different colours and materials) and the place required.

In such cases HERBOLD offers a new sound insulated granulator with a sound insulation lock.

This sound insulated granulator is equipped with a feed hopper which can be moved vertically by means of a pneumatic system. The hopper can be fed very easily when it is in its low position. In this position the inlet-opening of the grinder is completely closed by a steele plate. The noise cannot get out of the machine during this loading period. With the material loaded, the hopper gets closed pneumatically with a cover plate.

Afterwards the hopper gets lifted to its upper position, the cover plate of the grinder's inlet-opening opens and the material can fall down into the grinding chamber. During this period the inlet opening and the feed hopper are completely closed. Thus, noise peaks can be eliminated, even when the parts fall onto the rotor and get gripped by the blades.

This new system has been conceived for the grinding of large and bulky parts, such as car bumpers, bulky containers, thermoforming parts, etc.

As there is a rather long distance between the rotor and the inlet opening, it is possible to restart loading immediately after the material has fallen down onto the rotor. The remaining size reduction is performed during the next loading period. For this reason, there is no decrease in throughput inspite of the discontinuous material feed.



Our product range

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

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