

Press Release 01/07

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## **New Development ! Herbold Granulators with forced feeding device**

HERBOLD has developed a new way to feed granulators:

The material to be size-reduced does no longer fall by gravity into the grinding chamber but is evenly and horizontally fed into the rotor with the help of feeding screws. This way of material feeding presents the following advantages compared to the traditional configuration:

- higher throughput (30 to 50 % more capacity with the same size 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)
- Reduce acoustic emission
- No more fly-back

A special advantage for the operator is the possibility of feeding a larger quantity of material to the storage tank and this quantity is then automatically treated. So it will not be necessary for the operator to continuously feed the material manually. Another advantage of this way of feeding is the increased degree of protection for the operator by preventing a material fly-back. Since the large opening, typical for belt or manual feeding, is no longer necessary, the acoustic emission is even more reduced.

Possible ways of loading are with a folk lift or with a dump body

### **Photo HERBOLD-granulator model SML 60/100**



**PET Bottles:** a typical infeed material for the new 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.



