

## **Press Release 2 / 2009**

**HERBOLD MECKESHEIM GMBH**

[www.Herbold.com](http://www.Herbold.com)

### **: new Solutions to save money in plastics recycling**

With reduced margins it is time to cut costs. For the section “size-reduction/washing/ separation/drying HERBOLD MECKESHEIM has been developing quite a number of substantial improvements that we are now going to present:

- for granulators: cutting knives with exchangeable stellite-tipped plates (see Figure 1). This problem is well-known to every operator of granulators: Cutting knives for granulators are worn out and therefore tool steel that was expensive when it was bought is usually put on the scrap heap. The new solution using exchangeable stellite-tipped knives puts an end to this: Not only is the consumption of valuable, high-alloyed steel reduced to a minimum, but also the lifetime of these knives is many times higher.



**Fig.1:**

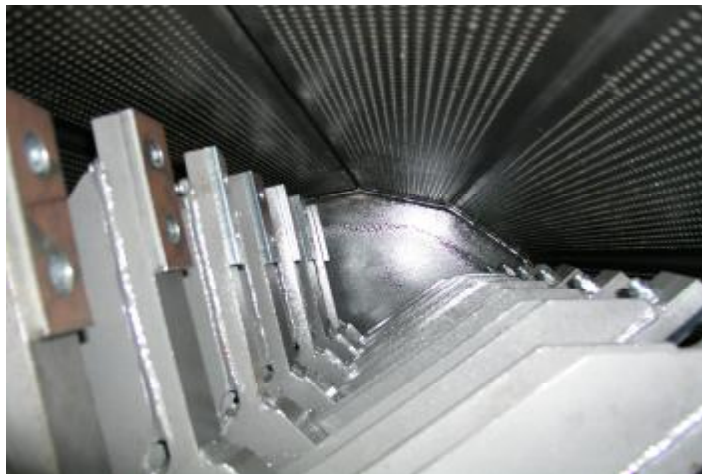
*Stator knives with exchangeable stellite-tipped metal plates*

- for abrasive materials: pipe bends with wear plates (see Figure 2). with post-consumer plastic waste or glass-fibre reinforced plastics a high wear and tear is well known, as well in the suction units. For highly sensible components, such as pipe bends, cyclone separator and suction units, special design versions with exchangeable wear plates are available at HERBOLD MECKESHEIM; these wear plates are also available in highly wear-resistant materials.



*Fig. 2: Pipe bend with wear plate*

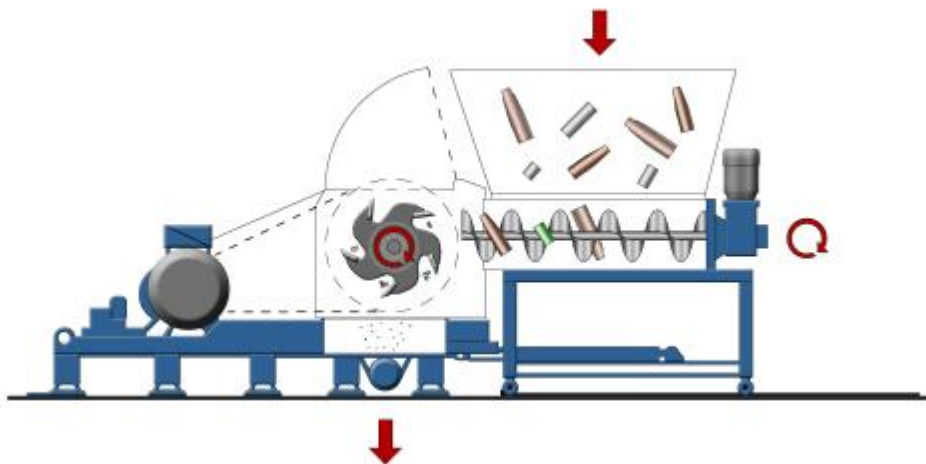
- for rotors in centrifugal dryers: These components are also available with exchangeable wear plates and this means that downtimes and running costs will be reduced without the laborious complete exchange (see Figure 3).



*Fig..3: Interior view*



In addition, HERBOLD MECKESHEIM is continuously working on a programme to reduce the running costs of plastic recycling. The new series of the SB granulators with forced feeding is a milestone in this direction. This machine series, already successfully used in continuous operation at many recyclers essentially contributes to an energy reduction of up to 50 % (see scheme on the SB granulator/Figure 4).



*Fig..4 : Schematic diagram: Herbold granulators of the SB series*

Engineering, producing, delivery :

**Herbold Meckesheim GmbH**  
 Industriestr. 33  
 D-74909 Meckesheim  
 Germany  
 Tel.: +49/6226/932-0  
 Fax: +49/6226/932-495  
 herbold@herbold.com  
 www.herbold.com

**Herbold Meckesheim USA**  
 Resource Recycling Systems Inc.  
 333 George Washington Highway  
 USA – Smithfield, Rhode Island 02917  
 Tel.: +1 401 232 3354  
 Fax: +1 401 232 5425  
 E-mail: info@herboldusa.net  
 www.herboldusa.net