

# PLASTIC RECYCLING



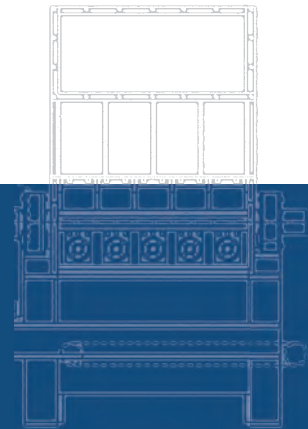
## BUILT TO LAST AND PROCESS RELIABLE

Granulators & shredders | Pulverizers | Plastcompactors/agglomerators | Washing systems/plants | Service



## Wide product range

Herbold Meckesheim offers a wide product range of granulators and shredders for plastic recycling and other applications.



### Product range: Granulators and shredders

- Soundproof beside-the-press granulators for injection molding and blow molding machines
- In-line granulators for skeletal waste on thermoforming machines or for edge trims on film and sheet plants
- Central granulators for large quantities and big parts
- In-line granulators for scrap and edge trims on BOPP-, BOPA- and BOPET-plants
- Special granulators for large quantities and big parts



Granulator  
SMS 45/60



HOG-shredder  
HGM 60/145



Granulator with forced  
feeding SML 45/60 SB



Single-shaft shredder HR 122

- Single-shaft shredders with hydraulic ram for a preliminary size reduction
- HOG-shredders for the recycling of materials containing foreign bodies, old tires, electrical waste and refuse-derived fuels
- Two-shaft shredders



*Profile granulator  
SMP 45/70*



*Granulator  
SML 45/70 with  
hand-feed hopper*



*Granulator SML 60/100 HB  
with roller feeding device*

Herbold Meckesheim –  
your specialist for granulators  
and shredders



*Wet granulator SMS 45/60 in stainless steel*

## Universal powder granulation

Herbold Meckesheim produces pulverizers and universal granulators for powder granulation in recycling, for rotomolding, textile refining, surface coating and cellulose finishing.

### Main applications

- Pulverization of hard PVC waste for the production of tubes and profiles with pulverizers of the PU series
- Pulverization of cellulose, cellulose derivatives and other fibrous materials with pulverizers of the SMF series
- Pulverization of PE/PP granulates for rotomolding
- Cold granulation plants for pulverizing temperature-sensitive materials
- Pulverization of flakes and films from PE and PVC



Impact disc pulverizer PU 500

Pulverizer PU 1250

Multi-knife pulverizer SMF 500/1000

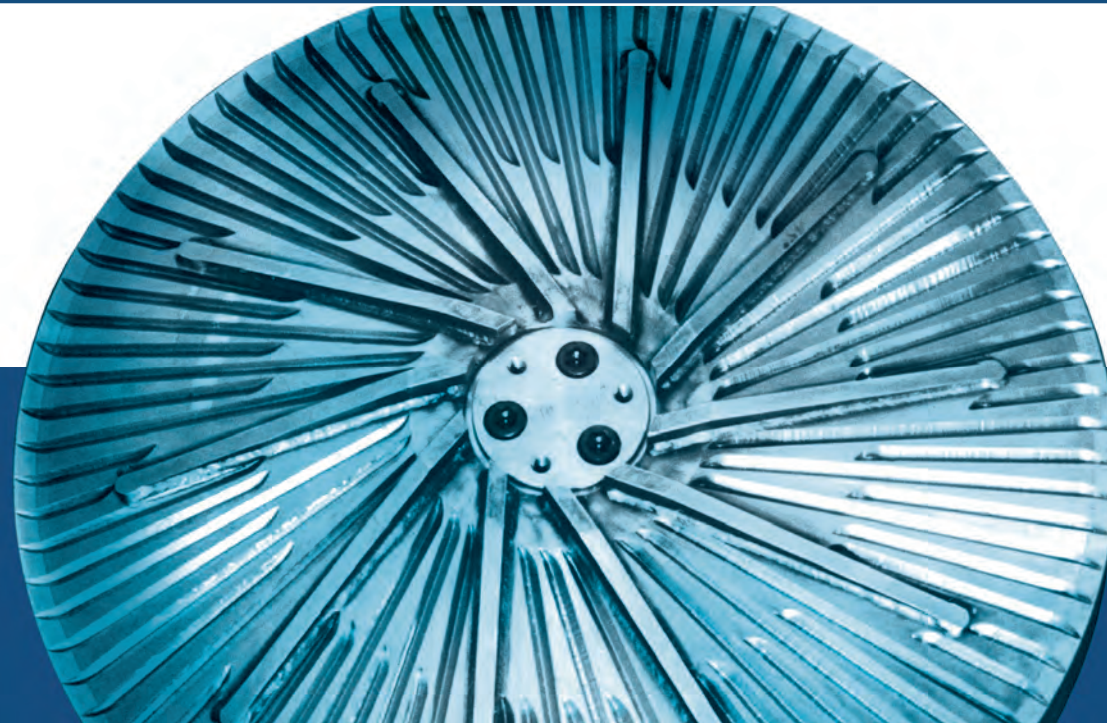
Depending on the application, pulverizers can be fitted with different size reduction tools: pinned discs, impact discs, turbo rotors, grinding track and screen basket.



Pulverizing plant for cellulose with three SMF 500/1000



Plastcompactors used as densifiers, dryers and recrystallizers



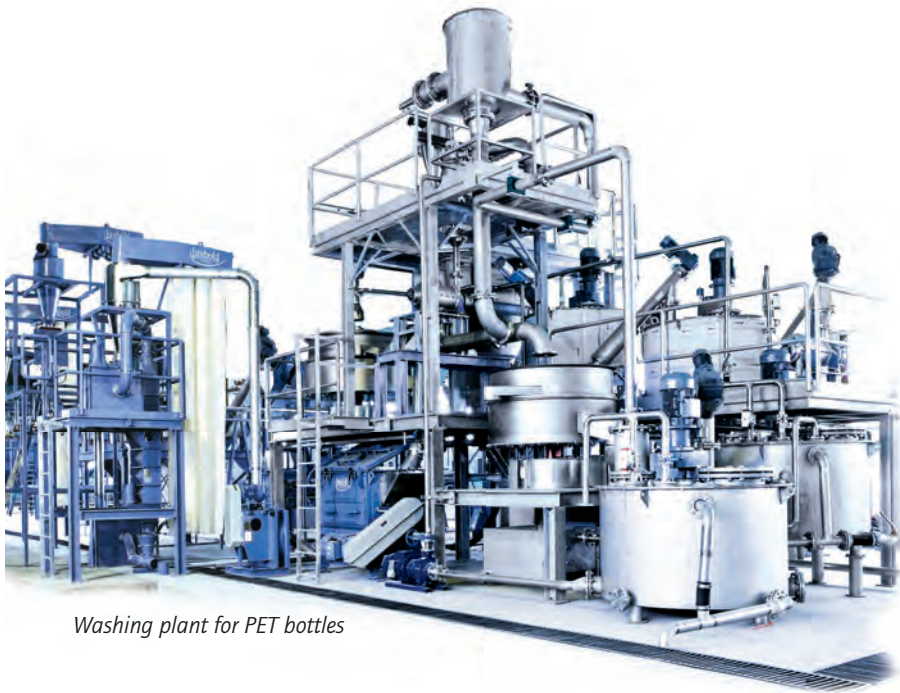
Herbold Meckesheim produces plastcompactors that can be used as densifiers, dryers and recrystallizers when films, fibers, foam materials, non-wovens and PET-bottle-flakes are recycled. Plastcompactors are also used in in-line recycling on cast film lines.



*Compactor housing HV 50*



*Plastcompactors HV 50 with buffer silo and feed device*



Washing plant for PET bottles

### High-performance plants

As well as single machines, Herbold Meckesheim also supplies complete plants with tilting device, debaler, multistep reduction, separation of composite materials in wet or dry operation, separation of metal, mineral, and other foreign bodies.



Separation trough

TNT 500

Mechanical and thermal drying

Herbold Meckesheim produces plants for washing, separating and drying of dirty and mixed plastic waste.

#### Plants

- Plants for the recycling of agricultural films
- Plants for the recycling of plastics from post-consumer waste
- Plants for the recycling of PET bottles
- Plants for the recycling of bottles and hollow components out of PE/PP
- Plants for the recycling of car battery cases
- Plants for the recycling of films out of PE, also stretch films
- Plants for the recycling of bottle crates, vegetable and fish boxes





Herbold Meckesheim offers single components for upgrading existing washing plants

Single components

- Shredders
- Wet granulators
- Friction washers
- Swim-sink-tanks
- Hydrocyclones
- Mechanical dryers
- Thermal dryers
- Silos
- Densifiers
- Pre-washing containers
- Trommel separators
- Sorting cabins
- Water recycling



Hydrocyclone step



Pre-washing unit

Washing plant for agricultural films





Herbold Meckesheim –  
process reliability worldwide

Herbold Meckesheim ensures worldwide customer service for single machines and plants. With our own staff and the staff of our national agencies, we provide full service for all of our equipment: commissioning, training and long-term operational support including technical support, on and off site repairs. We are mobile, fast and efficient because we not only know our machines thoroughly but understand our customers' needs as well.



# PLASTIC RECYCLING



The Herbold company is a family company and has been in existence for four generations:

**1884** Company founded by Adam Herbold in 1884 as an agricultural mill construction company

**1921** Take-over of the company by Georg Herbold

**1956** Oskar Herbold continued the company

**1978** The brothers Karlheinz and Werner Herbold took over the company

BLUECOMPETENCE  
Alliance Member



Herbold Meckesheim GmbH  
Industriestr. 33 | 74909 Meckesheim | Postfach 1218 | 74908 Meckesheim | Deutschland  
Tel.: + 49 (0) 6226/932-0 | Fax: + 49 (0) 6226/932-495  
E-Mail: [herbold@herbold.com](mailto:herbold@herbold.com) | Internet: [www.herbold.com](http://www.herbold.com)

**Subsidiary in the US:** Herbold Meckesheim USA | Resource Recycling Systems Inc.  
130 Industrial Drive | North Smithfield, RI 02896, USA | P.O. Box 239 | Slatersville, RI 02876, USA  
Tel.: + 1 401 597/5500 | Toll-free (US/CDN): +1 888/612 RRSI (7774) | Fax: + 1 401 597/5535  
E-Mail: [info@herboldusa.com](mailto:info@herboldusa.com) | Internet: [www.herboldusa.com](http://www.herboldusa.com)

All indications are not binding and subject to change. 01/2017

