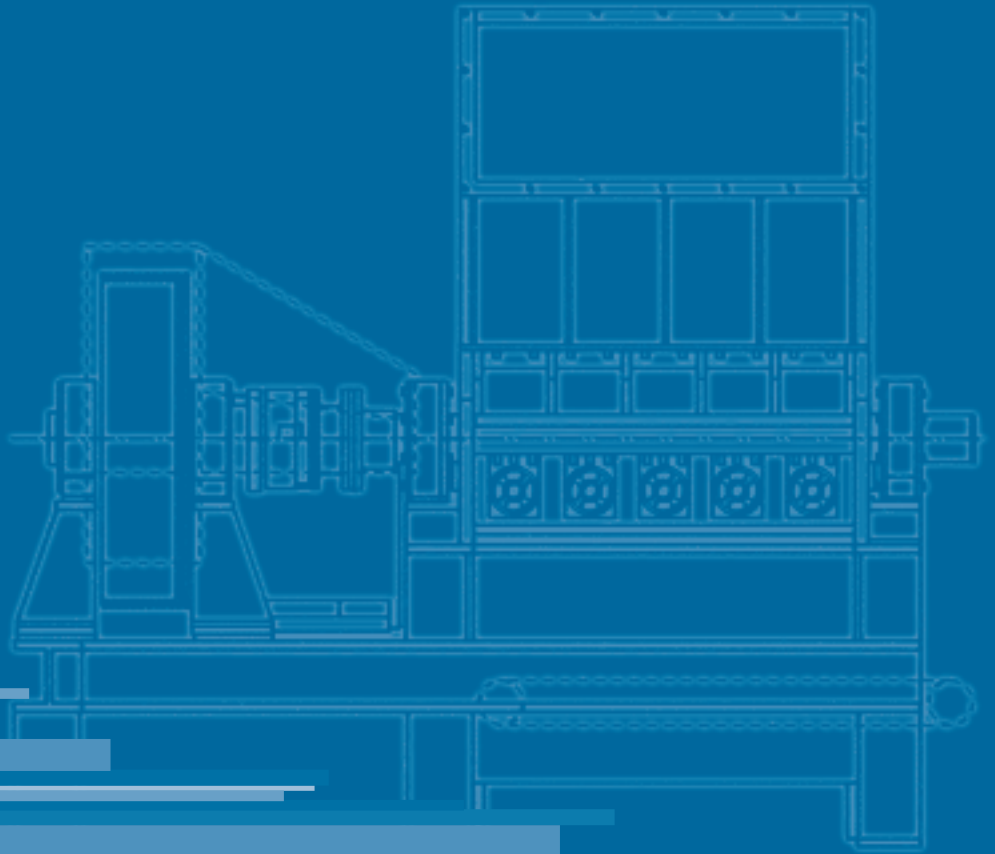




## SIZE REDUCTION TECHNOLOGY

- GRANULATORS AND SHREDDERS
- PULVERIZERS
- PLASTCOMPACTORS
- PLANTS
- SERVICE



**HERBOLD MECKESHEIM OFFERS A BROAD RANGE OF GRANULATORS AND SHREDDERS FOR PLASTIC RECYCLING AND OTHER APPLICATIONS.**

**Granulators and Shredders**

**Pulverizers**

**Plastcompactors**

**Plants**

**Service**

- Soundproof beside-the-press granulators for injection molding and blow molding machines
- Inline granulators for skeletal wastes on thermoforming machines or for edge trims on film and sheet plants
- Inline granulators for scrap and edge trims on BOPP-, BOPA- and BOPET-plants
- Central granulators for large quantities and big parts
- Special granulators for horizontal feed of pipes and profiles
- Single-shaft shredders with hydraulic ram for a preliminary size reduction
- HOG-shredders for the recycling of materials containing foreign matter, of old tires, electrical waste and refuse-derived fuels
- Two-shaft shredders

# GRANULATORS AND SHREDDERS

*Single-shaft shredder HR 122*



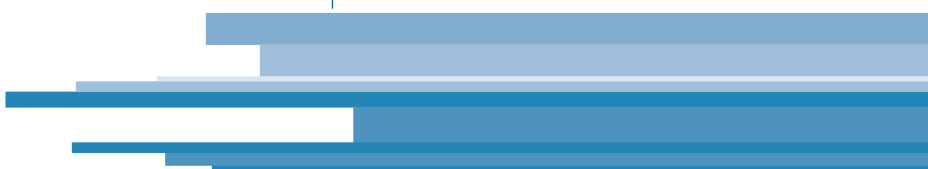
*Large granulator SML 60/100*



*HOG-Shredder HGM 60/145*



*Beside-the-press granulator SML-LS 35/42*



# GRANULATORS AND SHREDDERS



# GRANULATORS AND SHREDDERS



*Granulator SML 45/70 with hand feed hopper*



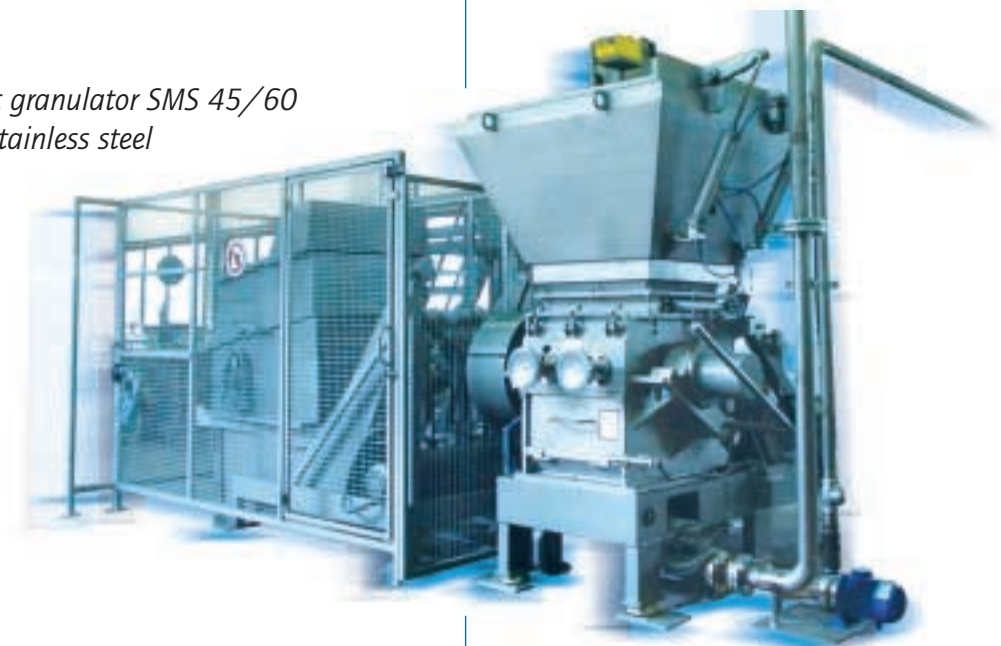
*Profile granulator SMP 45/60*



*Beside-the-press granulator SML 35/42 with belt conveyor*



*Wet granulator SMS 45/60 in stainless steel*



## **HERBOLD MECKESHEIM PRODUCES PULVERIZERS AND UNIVERSAL GRANULATORS FOR POWDER GRANULATION IN RECYCLING FOR ROTOMOLDING, TEXTILE REFINING, SURFACE COATING AND CELLULOSE FINISHING.**

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

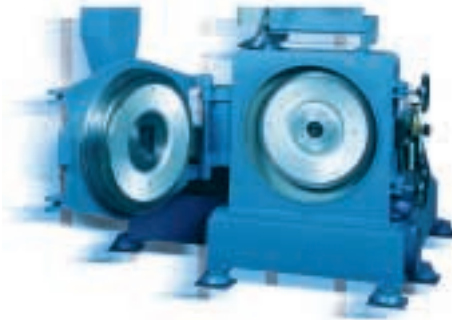
Main applications are:

- Fine grinding of hard PVC waste for the production of tubes and profiles with pulverizers from the PU series
- Fine grinding of cellulose, cellulose derivates and other fibrous materials with fine granulators of the SMF series
- Fine grinding of PE / PP granulates for rotomolding
- Cold granulation plants for fine grinding of materials sensitive to temperature
- Fine grinding of flakes and films from PE and PVC

*Cryogenic system PU 500*



*Impact Disc Pulverizer PU 500*



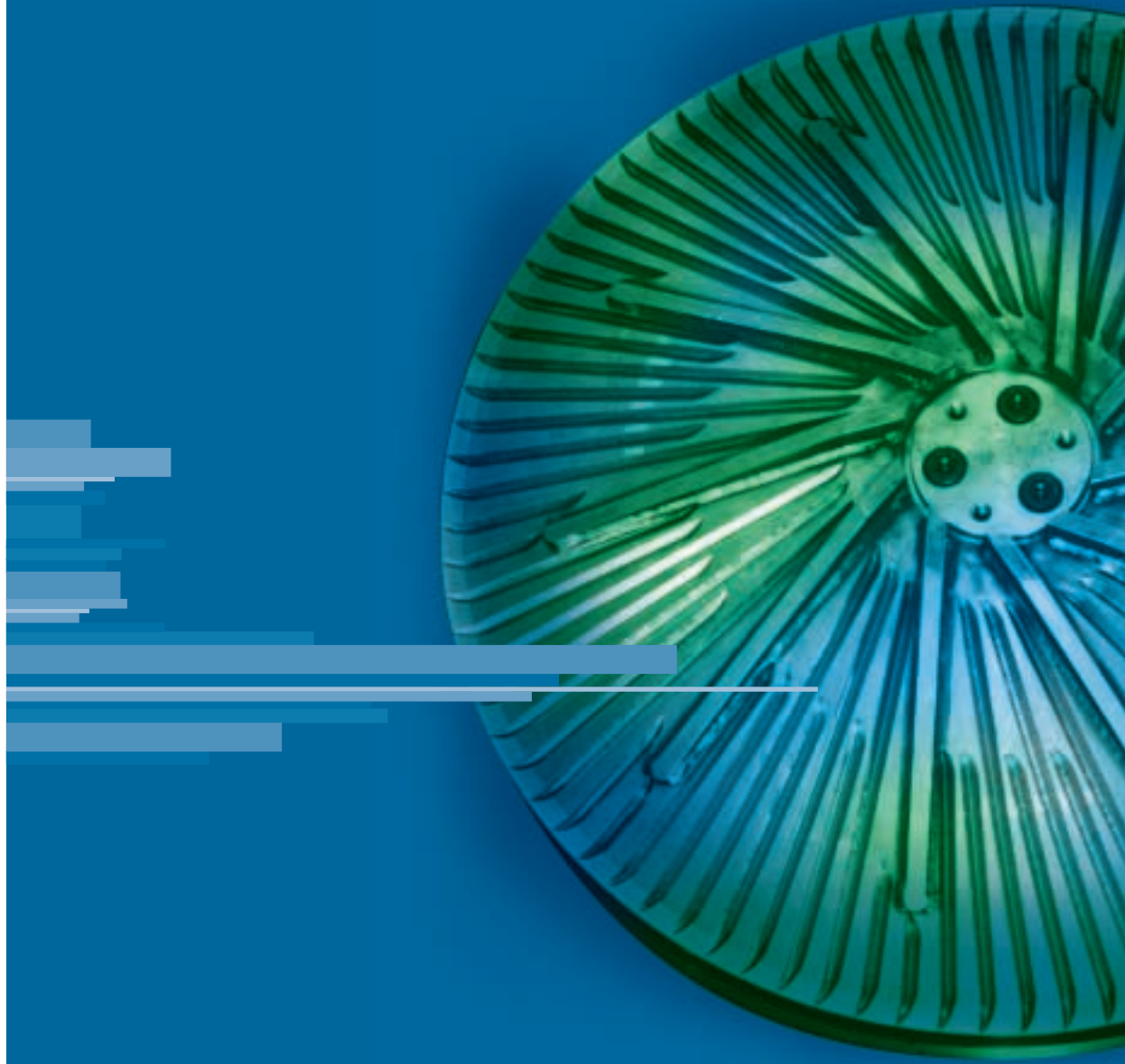
*Multi-knife granulator SMF 500/1000*



*Pulverization plant PU 500 with screen separator*



# PLASTCOMPACTORS



**HERBOLD MECKESHEIM PRODUCES PLASTCOMPACTORS AS DENSIFIERS, DRYERS AND RECRISTALLIZERS IN RECYCLING OF FILMS, FIBERS, FOAM MATERIALS, NON-WOVENS AND PET-BOTTLES-FLAKES. PLASTCOMPACTORS ARE ALSO USED IN INLINE RECYCLING ON CAST FILM LINES.**

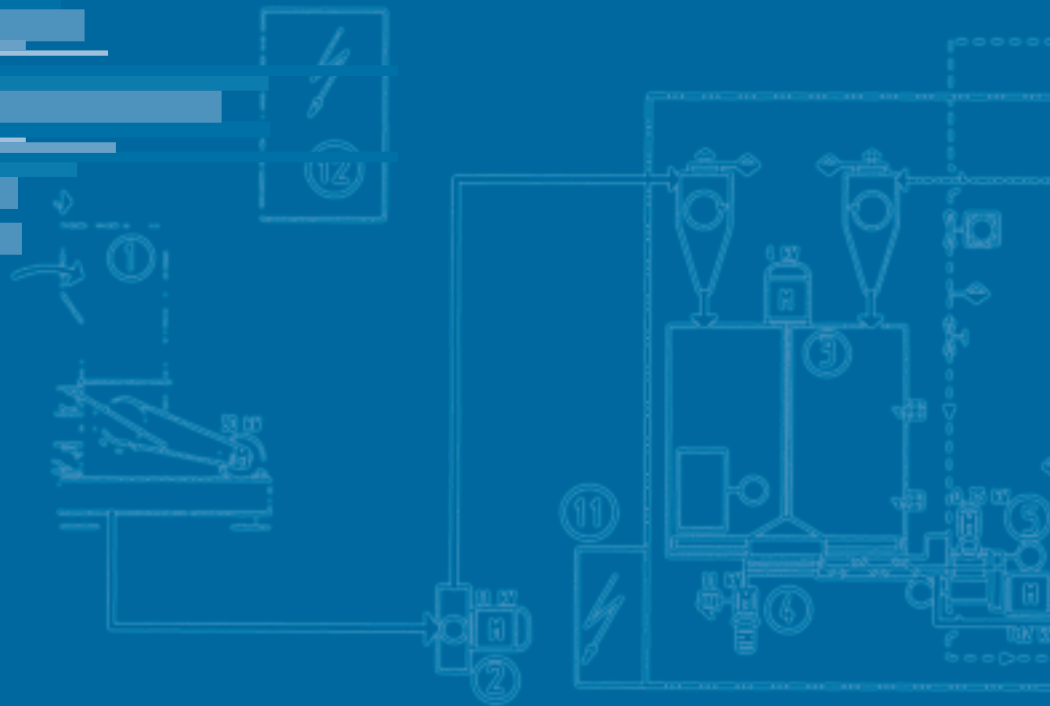


*Plastcompact HV 50*

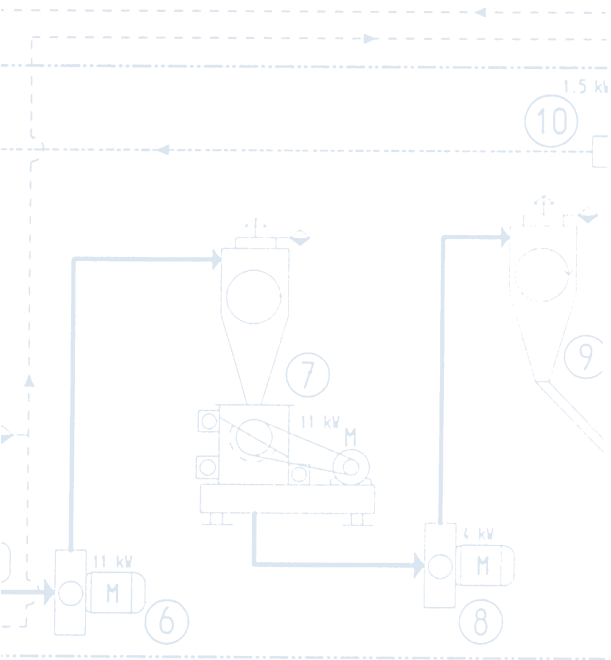


*Plastcompact HV 50 with buffer silo and feed device*





AS WELL AS **SINGLE MACHINES**, **HERBOLD MECKESHEIM** ALSO OFFERS **COMPLETE PLANTS** WITH TILTING DEVICE, DEBALER, MULTISTEP REDUCTION, SEPARATION OF COMPOSITE MATERIALS IN WET OR DRY CONDITIONS, SEPARATION OF METALLIC, MINERALS, AND OTHER FOREIGN SUBSTANCES, INTERMEDIATE STORAGE FOR THE FOLLOWING PROCESSING AND CONNECTING PNEUMATIC OR MECHANICAL CONVEYING PLANTS.



Hot washing plant for PET flakes

Thermal dryer TNT 500



Two-step drying with T 1015



## HERBOLD MECKESHEIM PRODUCES PLANTS FOR WASHING, SEPARATING AND DRYING OF DIRTY AND MIXED PLASTIC WASTE...

Especially

- 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
- 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

...as well as supplying single components for existing plants, requiring:

- Shredders
- Washing granulators
- Friction washers
- Swim-sink-containers
- Hydrocyclones
- Mechanical dryers
- Thermal dryers
- Flake silos
- Densifiers
- Pre-washing containers
- Trommel separators
- Separation enclosures
- Water recycling

*Separation container*



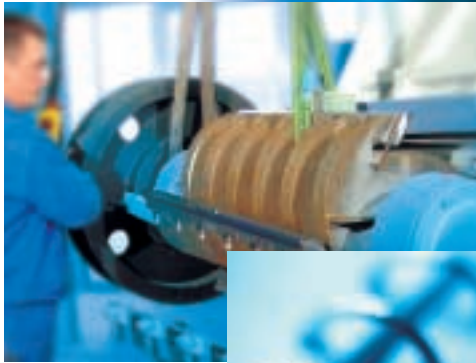
*Two-step size reduction plant  
HR 155 and SML 60/100*



*Pulverization plant for cellulose with  
three SMF 500/1000*



**HERBOLD** MECKESHEIM DELIVERS MACHINES, PLANTS AND ENSURES A WORLDWIDE CUSTOMER SERVICE. WITH OUR OWN STAFF AND THE STAFF OF OUR NATIONAL AGENCIES, WE CAN ACCOMPANY THE DELIVERED MACHINES FROM THE PUTTING-INTO-OPERATION TO THE SERVICE TRAINING AT YOUR COMPANY IN ADVICE, SPARE PARTS, REPAIRS AND ALL OTHER SERVICES. WE ARE MOBILE, FAST AND EFFECTIVE, BECAUSE WE KNOW OUR MACHINES THOROUGHLY AND WE ARE AWARE THAT OUR CUSTOMERS MUST NOT HAVE ANY DOWNTIME.





# 4 Generations of Herbold

**1884**

Foundation of the company as Agricultural Mill Construction Company by Adam Herbold.

**1921**

1921 Take-over of the company by Georg Herbold.

**1956**

1956 New management by Oskar Herbold.

**1978**

The brothers Karlheinz and Werner Herbold took over the company.



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