



# Recycling

Recycling Business by Coperion

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# Coperion Recycling – activity spectrum

We offer a wide range of recycling solutions accross a wide spectrum of plastics types, recycling technologies, customer segments and geographic regions.

Post-consumer film	Post-industrial waste	PET bottles
		
PET trays	Post-consumer HDPE/PP waste	Agricultural film
		
Post-consumer Big Bags	Car battery cases	Pulper/UBC waste
		

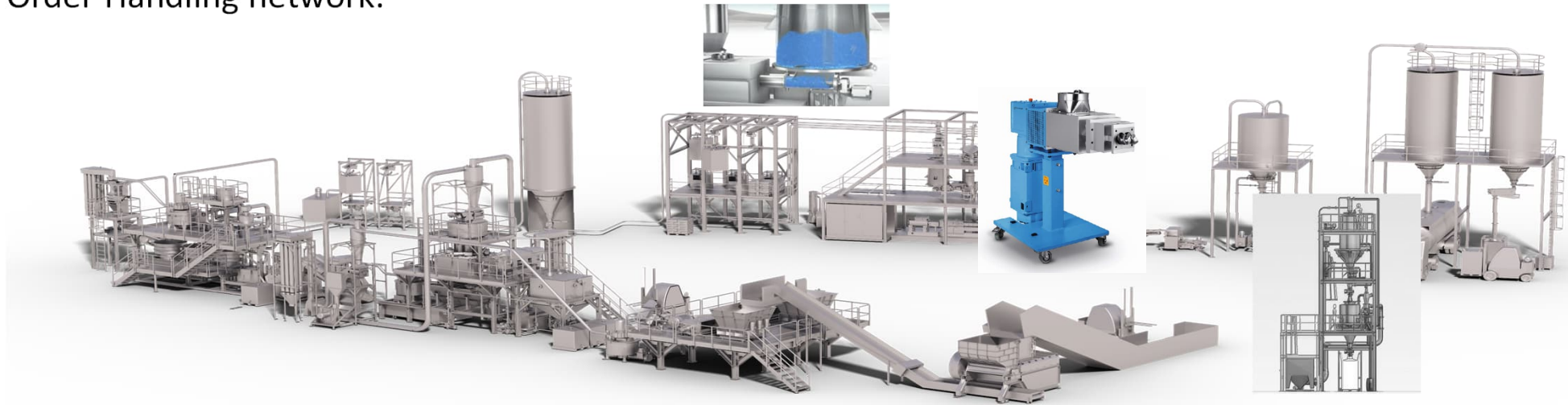
Material	Plastics	Wood	Paper	Metal	Other	
Feedstock	Virgin Plastic			Plastics Waste		
Waste Source	Post-consumer plastics waste			Post-industrial plastics waste		
Waste Material	High-density Polyethylene (HDPE)	Low-density Polyethylene (LDPE)	Polypropylene (PP)	Polyethylene Terephthalate (PET)	Others (PVC, PS and PA)	
Customer Type	Waste Management incl. Recycling	Recyclers		Petrochem Companies	End Product Manufacturers	
Recycling Technologies	Mechanical recycling	Solvent-based purification	Chemical decomposition	Pyrolysis and gasification	Thermal decomposition	
Throughput ranges	<0.5t/h	0.5t/h – 2t/h		2t/h – 5t/h	>5t/h	
Regional Focus	Europe	North America	Asia	China	India	Others



# Material Handling & Processing Plants

Field of Activities for Engineered Plastics & Battery Production and Recycling

Development, design, delivery, assembly and commissioning of economical, comprehensive system solutions with perfect usability for our customers and outstanding competence and performance along the process chain. Utilization of the Coperion product portfolio and coordination of the Coperion Sales & Order Handling network.



- Bulk materials handling plants
- Washing, Grinding & Compacting
- Feeding and Weighing
- Compounding & Extrusion
- Pelletizing
- Bulk Materials Components
- Special Process Components
- Bagging and Palletizing
- Logistic solutions

# Coperion Recycling Innovation Centers

Coperion and Herbold provide know-how and equipment to optimize recycling processes

## Recycling Innovation Center for Coperion Product Line Niederbiegen, Germany



- Storage and Homogenization
- Conveying and drying
- Dosing
- Compounding
- Degassing and deodorization
- Pelletizing and bagging



### Europe

Niederlenz, Switzerland  
*Feeding & Conveying*

### North America

Salina, Kansas  
*Pneumatic Conveying*  
Pitman, New Jersey  
*Feeding & Extrusion*

### Asia

Nanjing, China  
*Extrusion, Pneumatic  
conveying & Feeding*

Test facilities for the full product line are available worldwide to prove the working principle of Coperion and Herbold equipment with our customer's products.

## Recycling Innovation Center for Herbold Product Line Meckesheim, Germany



- Size Reduction
- Washing
- Drying
- Separation
- Agglomeration