

# POLYPLEX PPC 50/120 SHREDDER-GRANULATOR

*A new slant on plastics recycling*



**HOSOKAWA ALPINE**

Process technologies for tomorrow.

# THE DETAILS BRING SUCCESS

*Individual requirements call for individual solutions.*



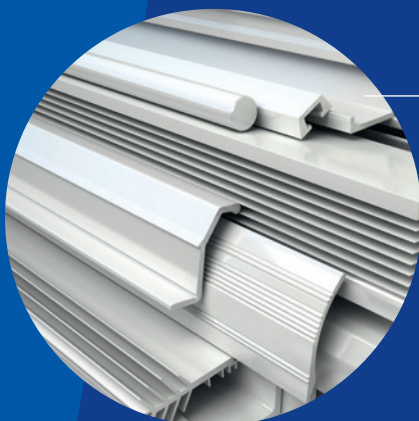
## » BLOW MOULDINGS / INJECTION MOULDINGS

The new POLYPLEX by Hosokawa Alpine is universal in use for in-house recycling. The decisive advantage: the combination of a shredder and a granulator on one single shaft. The feed material doses itself when being charged to the machine. Different plastic parts such as reject housings, sprues and machine purgings can be mixed and then charged together. The vertical design permits optimum accessibility to the grinding chamber. This guarantees not only fast cleaning of the mill when changing the product but also significantly reduces downtime.



## » SHEETS AND CHUNKS

The Polyplex shredder-granulator is ideal for the size reduction of chunks and sheets. Chunks are pre-crushed in the shredder section. Even chunks weighing several hundred kilos can be comminuted in one step to granulator fineness – and that at considerably lower drive power. When processing sheets and plates, the design of the inlet area guarantees that sheets of any thickness can be comminuted without problem.



## » PROFILES / EXTRUSION

The horizontal feed channel can be adjusted in length. Channel lengths of up to six metres pose no problem for profiles and pipes of standard length. The bottom line: the Polyplex shredder-granulator constitutes THE cost-effective comminution solution for profiles and pipes of any length.

***Have we whet your appetite?***  
*If so, we look forward to hearing from you!*

# UNBEATABLE FLEXIBILITY

The new shredder-granulator with the distinctive name „Polyplex“ made by Hosokawa Alpine is THE innovative solution for the size reduction of plastic materials of any type. Alpine’s Polyplex shredder-granulator combines a vertically arranged shredder rotor with a granulator rotor. The principle is amazingly simple: The material is charged to the shredder section by means of the mechanical feed unit. The pre-comminuted material falls as the result of gravity into the granulator section and is comminuted there to granulator fineness. Whereas the shredder rotor permits self-dosing, the granulator rotor guarantees product fineness values to approx. 5 mm. The feed material is supplied by means of a pusher installed in the channel. This allows feed material lengths of

up to 6 metres. As a result of the combination of shredder and granulator, the comparatively small machine can process, for example, machine purgings of up to several hundred kilos – if necessary together with profiles, pipes and trims.

## UNIVERSAL IN USE

The machine concept has been adapted to meet customer requirements and was launched on the market as the Polyplex machine – and that at an attractive price. In practice, the simultaneous feed of different plastic waste constitutes a considerable advantage: presorting or dosed material feed are now things of the past!

## FULL SERVICE – FROM ONE SINGLE SOURCE

Decide in favour of the individually coordinated **service options from BLUESERV** and prolong the life cycle of your system in this way. Optimise your processes – comfortably and reliably – with flexible maintenance agreements, stock or call orders for spare parts, regular system checks and intensive support. **Interested? Get in touch with us!**

## THIS IS WHAT COUNTS – THE TECHNICAL HIGHLIGHTS

### MATERIAL FEED

- › Self-dosing material feed
- › Feed unit individually adaptable to the respective problem specification
- › Feed material can be fed continually or in batches

### COMMINUTION

- › Granulator fineness values in one step

### HANDLING

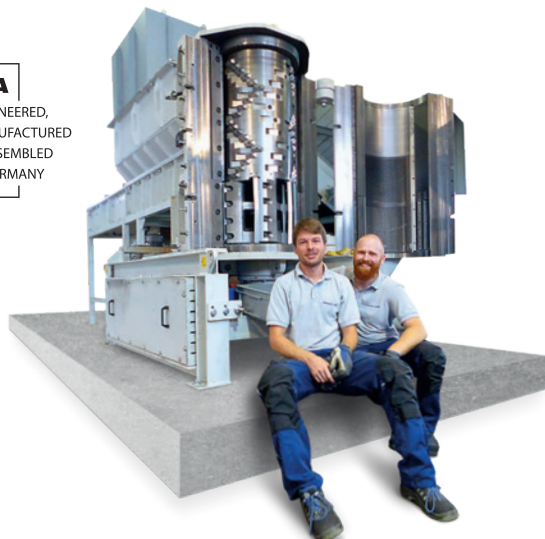
- › Optimum access to cutting chamber, rotor and granulator knives
- › Short cleaning times
- › Easy operation and maintenance
- › Considerably reduced downtime

### COST EFFICIENCY – IN COMPARISON WITH 2-STEP SOLUTIONS

- › Significantly cheaper purchase price
- › Energy-efficient comminution thanks to only one drive being needed
- › Minimised space requirement
- › Minimum staff requirement for feeding the machine

### TECHNICAL SPECIFICATIONS

Feed unit drive	2,2 kW
Mill drive	55–75 kW
Dimensions: Length <i>dependent on feed material</i>	4500 mm – 9000 mm
Dimensions: Width <i>with door closed and open</i>	1400 mm – 2300 mm
Dimensions: Height <i>dependent on design of the feed chute</i>	2300 – ca. 3500 mm
Weight	approx. 6500 kg





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***Any questions? We will be glad to answer them!***



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