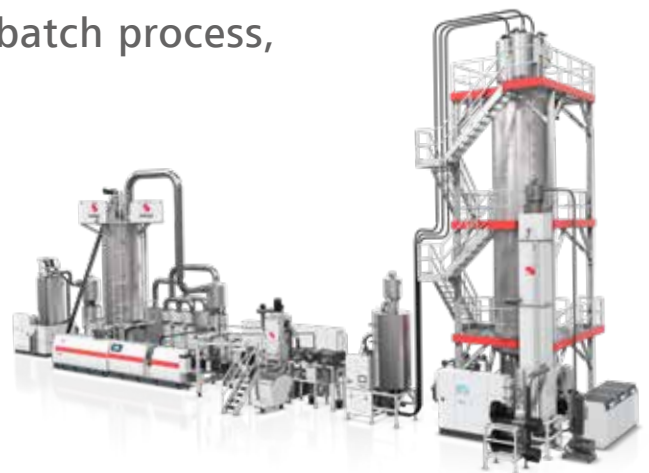




SOLID STATE POLYCONDENSATION SSP

IV increase, for PET and PES pellets,
decontamination for direct food contact, reduction
of acetaldehyde and VOCs, **continuous batch process**,
fast and easy installation



Starlinger



The patented outlet device of the reactor is designed for constant treatment time of the material in the reactor, preventing center flow of the pellets.



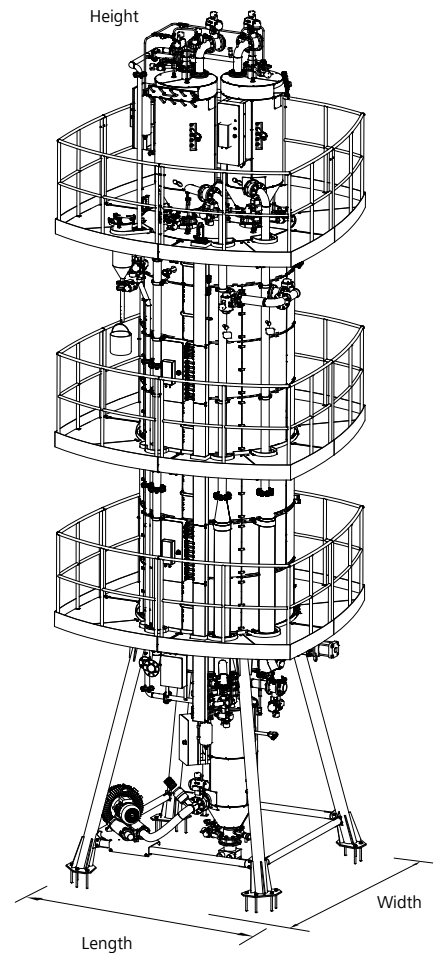
AA level is reduced. Foreign particles, e.g. glycol, are extracted. VOCs are minimized or eliminated. The end product is approved for food contact applications.



State-of-the-art Solid State Polycondensation for the IV increase of PET and PES pellets. Possible source material is regranulate from bottles, preforms, fibres, nonwovens, sheets and strapping.

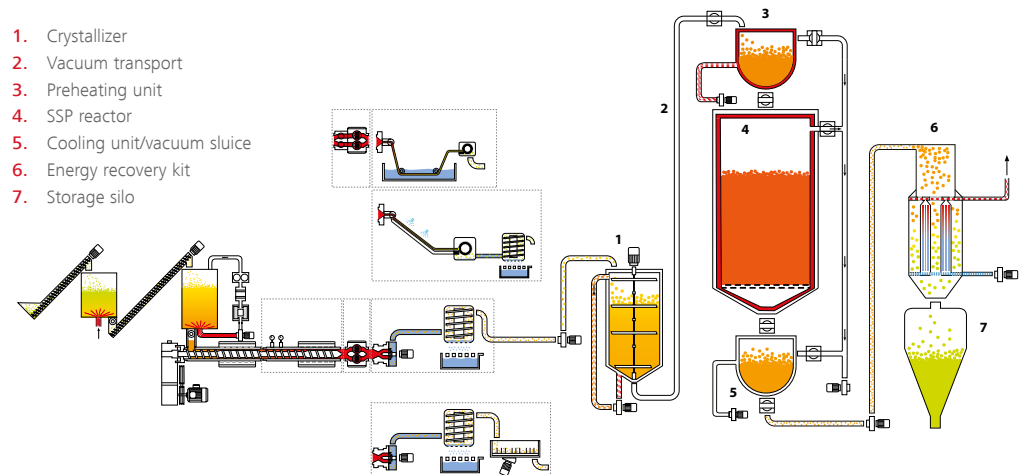
recoSTAR PET combined with viscoSTAR feature the following advantages:

- Effective decontamination and adjustable IV increase under vacuum
- FIFO principle
- Equal residence time for each batch
- Modular design for capacity increase
- Energy saving in case of inline processing
- Low transformation costs



We reserve the right to technical modifications. DPR 24851-1 IT

1. Crystallizer
2. Vacuum transport
3. Preheating unit
4. SSP reactor
5. Cooling unit/vacuum sluice
6. Energy recovery kit
7. Storage silo



Technical data

	viscoSTAR					
Type	75	120	150	180	250	350
Capacity [kg/h]	800	1200	1800	2000	2500	3500
Effective volume of reactor [m ³]	6.8	10.7	14.2	17.2	24.2	34.2
Installed heating power [kW]	150	150	225	225	360	480
High-vacuum system [mbar]	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
Energy consumption [kWh/kg] approx.	0.12 - 0.25	0.12 - 0.25	0.12 - 0.25	0.12 - 0.25	0.12-0.25	0.12-0.25
iV increase (dl/g/h)	0.01-0.04	0.01-0.04	0.01-0.04	0.01-0.04	0.01-0.04	0.01-0.04
Height [mm]	10228	11886	13382	14878	13600	16100
Width [mm]	4200	4200	4200	4200	4200	4200
Length [mm]	4200	4200	4200	4200	4200	4200

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 A member of Starlinger Group

All data depending on design!

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