



RECYCLING LINE recoSTAR HDPE FG+

post-consumer waste recycling, HDPE milk bottles,
hot-washed flakes, HDPE regranulate for up to 50 %
reuse, decontamination for direct food contact,
FDA LNO, high automatisisation and up-time rates



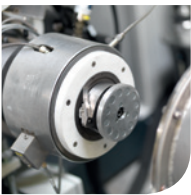
recoSTAR HDPE FG+



HDPE flakes
are heated and dried,
which forms the first
decontamination step.



The high-vacuum
degassing extruder removes
volatile contaminants from
the melt.

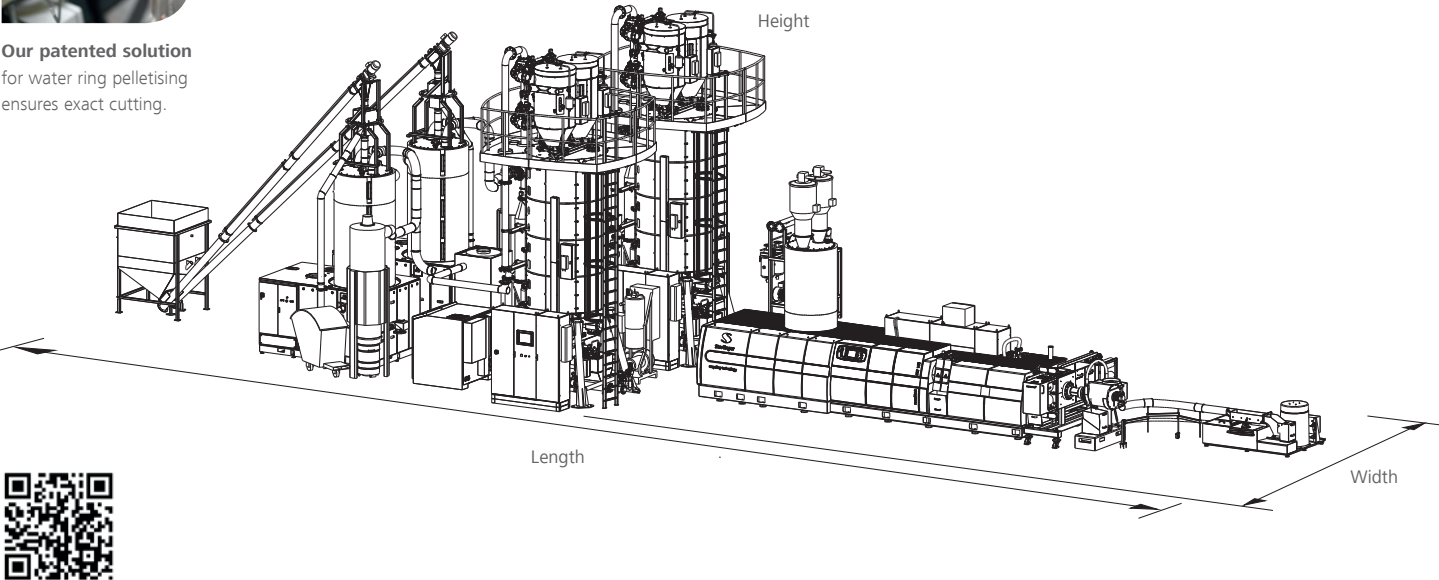


Our patented solution
for water ring pelletising
ensures exact cutting.

Post-consumer HDPE milk bottles treated by Starlinger’s super-cleaning recycling process yield high-quality regranulate for packaging applications with direct food contact (FDA Letter of Non-Objection, June 2012). The rHDPE can be used at a content of up to max. 50 % in bottles or trays with relatively short lifetimes and low filling temperatures (e.g. fresh milk or juice, meat, and the like).

recoSTAR lines feature the following advantages for HDPE recycling:

- The HDPE flakes are treated in a two-stage process that uses hot air and vacuum.
- The special design of the dryer outlets avoids center flow and results in consistent residence times and FIFO processing.
- The super-cleaning process ensures excellent decontamination so that the rHDPE can be used in direct food contact applications.
- The optional online writer and archiving system collects food contact relevant process data for secure traceability.
- All production settings can be stored in a recipe management system and are easily downloadable via USB port.



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Starlinger & Co. Gesellschaft m.b.H.
A member of Starlinger Group

Dimensions in mm		recoSTAR HDPE FG+		
Type		125	165	330
Height		8000	8000	10500
Width		10500	11500	12500
Length		25000	33000	40000
Technical data		recoSTAR HDPE FG+		
Type		125	165	330
Capacity [kg/h]*		650 - 900	1200 - 1650	2500 - 3300
AC drive [kW]		200	315	2x315
Energy consumption [kW/h]		0.35 - 0.45		

All data depending on design!

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