



VACUUM MODULE C-VAC

production scrap & post-consumer waste recycling, **highly contaminated and heavily printed**, excellent degassing efficiency, **increased output**, up to 30 % glass fibre, **compounding & recycling in one step**, compact foot-print



C-VAC



Excellent degassing for heavily printed materials achieving gas free pellets and therefore high reuse rate.



Post-consumer material often creates gases before or at filtration area. Those gases are extracted via C-VAC after melt filter.



Compounding happens in-line with recycling. Increased capability due to second drive.

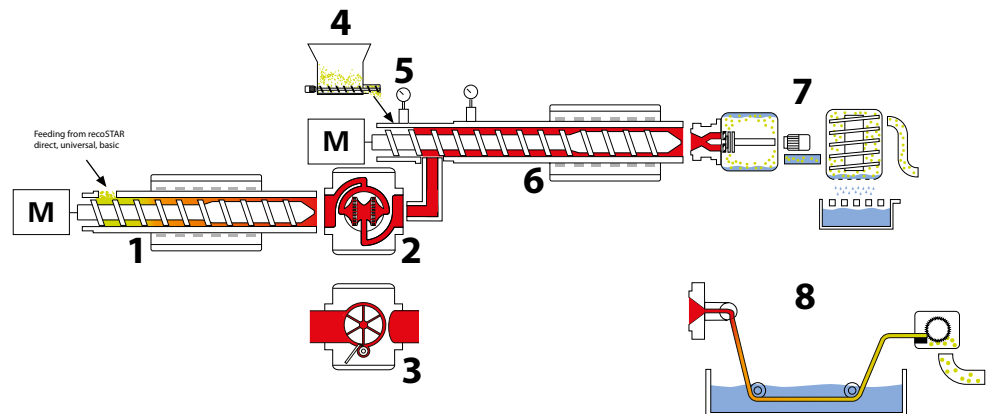
The new C-VAC module is an integrated but independent extrusion module due to the two-drive design for main and degassing extruder. It is used for better filtration and degassing efficiency, especially in the fields of post-consumer waste recycling and recycling of heavily printed materials. Furthermore it is possible to add filler materials and combine recycling and compounding in only one step.

Advantages for recycling of heavily printed and highly contaminated materials

- Reduced degradation of contaminants due to advantageous L/D ratio and lower processing temperature
- Filtration efficiency is increased also in terms of organic contaminants removal
- Any gases created by contaminants during filtration are removed in the next step
- Specially designed melt discharge for more melt surface area (+ 300 %)
- Two venting ports, one with reverse venting for improved extraction of volatiles
- No clogging of degassing ports with melt due to reliable pressure stability

Advantages for compounding during recycling

- Recycling & compounding in one step, integrated but independent
- Up to 30 % glass fibre possible, adding after melt filtration for minimum breakage
- Single screw as preferred solution for recycling – second extruder designed for compounding



1. Main extruder
2. Single piston backflushing filter
3. Continuous rotation filter
4. Dosing unit for compounding
5. Reverse venting
6. Venting extruder
7. Water ring pelletiser
8. (Automatic) strand pelletiser



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General advantages for process engineering

- Short main extruder leads to lower processing temperatures and reduced shear
- Speed controlled main and degassing extruder with two separate drives
- Higher output possible as different screw speeds and diameters are possible
- Excellent resin quality due to improved degassing capability

All data depending on design!

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