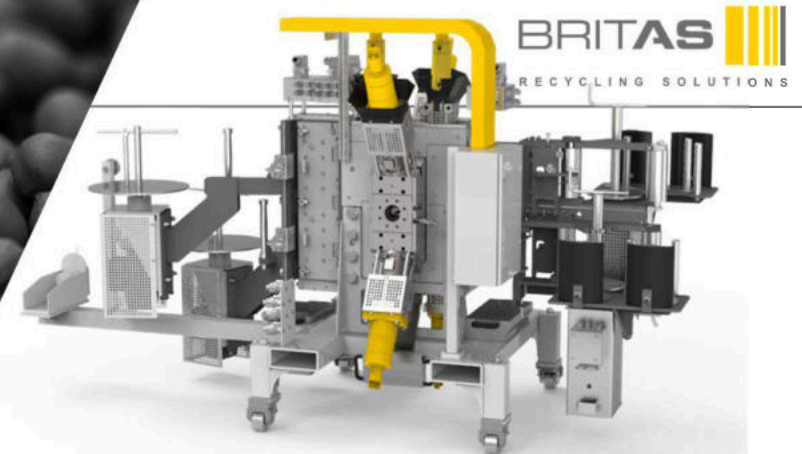
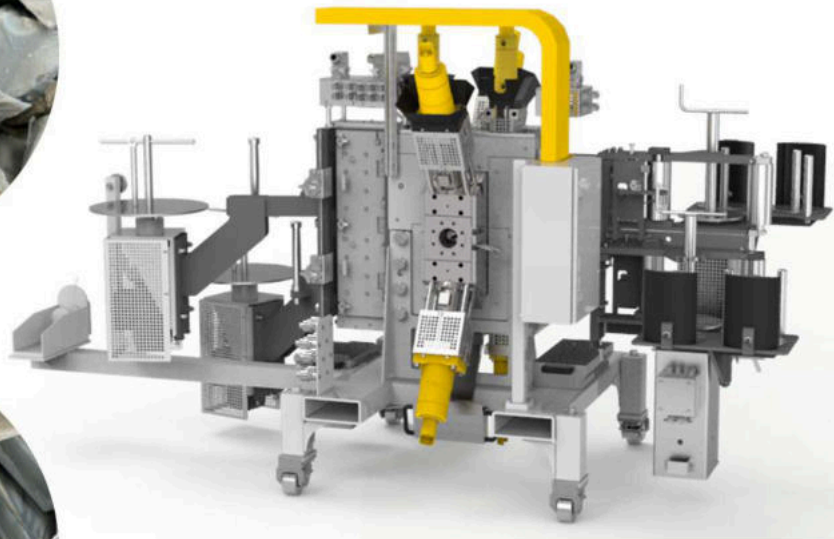




Melt Filtration for PCR Applications

MATERIAL APPLICATION: PET lumps



BritAS ABMF 0570-PET-C

Material

Start-up lumps, back-flash purge

Extrusion configuration

Single screw extruder > **BritAS ABMF 0570-PET-C** > ASP

Throughput 500 kg/h

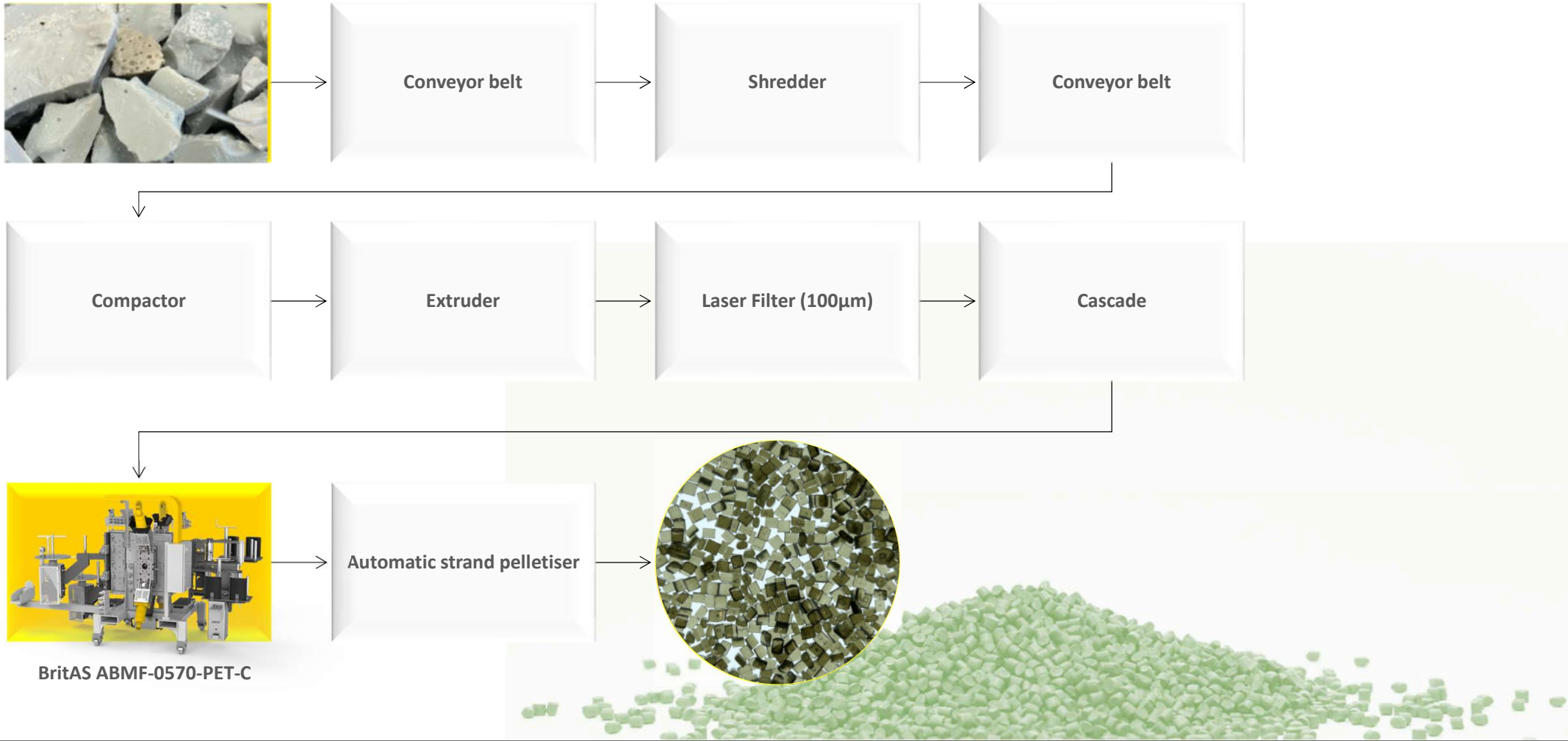
Operation figures

Melt loss ~ 0,4%

Filter fineness 40μ



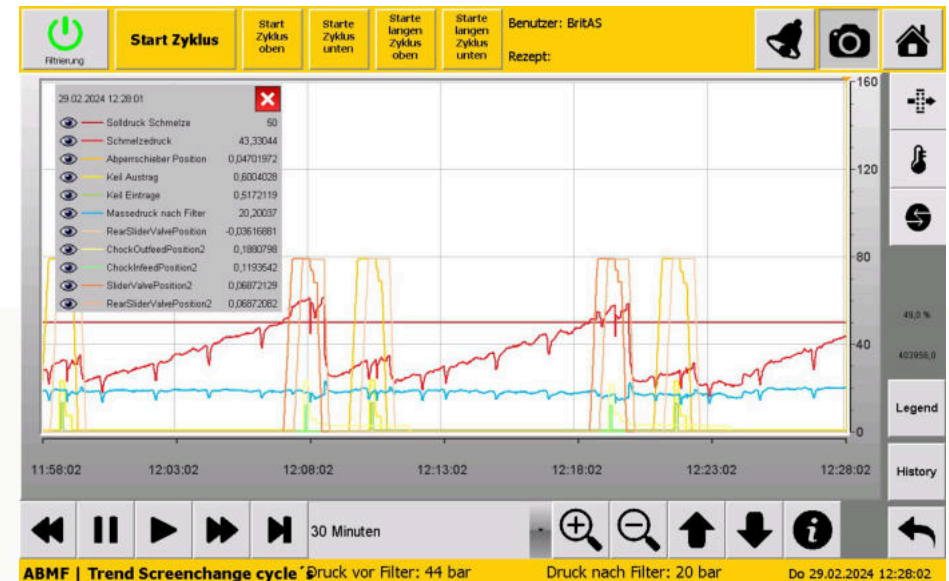
EXTRUSION SYSTEM CONFIGURATION



BritAS ABMF-0570-PET-C

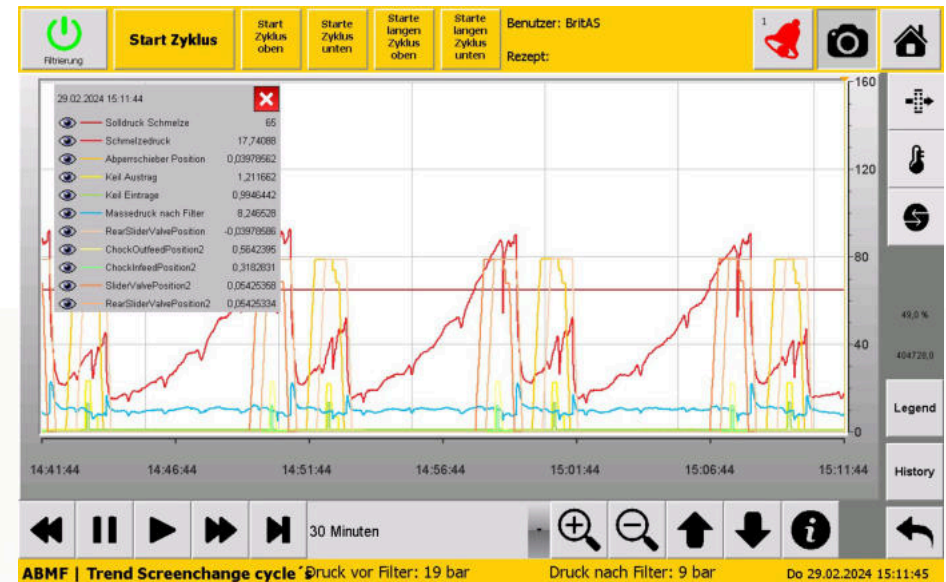
PROCESS – DATA 60µm screen

Parameter		
Extruder		
Melt pressure - Extruder:	bar	22
Melt pressure - pelletizer:	bar	17
Melt temperature:	°C	290
Output:	kg/h	500
Screenchanger		
Main screen:	µ	60
Protecting screen, prior main screen:	µ	/
Supporting screen, after main screen:	µ	60
Melt pressure before screen:	bar	22
Melt pressure after screen:	bar	17
Melt pressure screen change:	bar	50
Screen change interval:	bar	12
Melt loss:	%	0,45



PROCESS – DATA 40µm screen

Parameter		
Extruder		
Melt pressure - Extruder:	bar	30
Melt pressure - pelletizer:	bar	12
Melt temperature:	°C	290
Output:	kg/h	250
Screenchanger		
Main screen:	µ	40
Protecting screen, prior main screen:	µ	60
Supporting screen, after main screen:	µ	60
Melt pressure before screen:	bar	30
Melt pressure after screen:	bar	12
Melt pressure screen change:	bar	65
Screen change interval:	bar	7
Melt loss:	%	0,5



FILTER SCREENS PET

Width

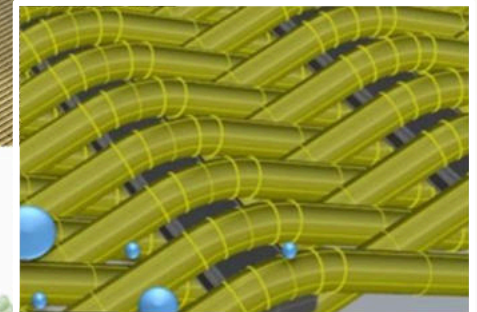
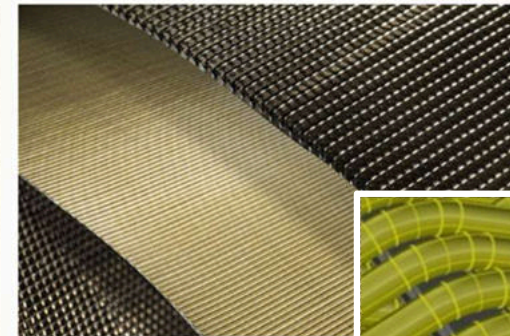
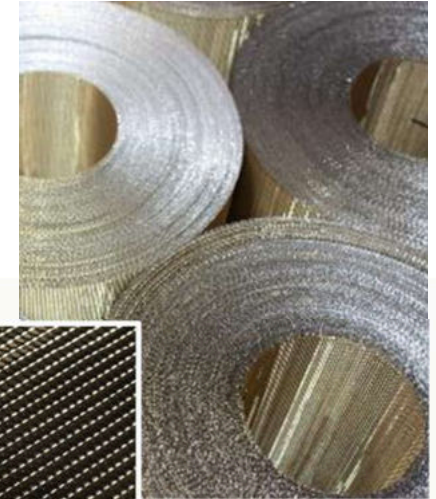
- ABMF-PET-C - 570 / 750 230 mm
- ABMF-PET-C - 1050 / 1600 308 mm

Filter fineness and specification

- Currently available in 20 / 30 / 40 / 60 micron
- Alloyed steel vs. Stainless steel
- Plain Dutch weave vs. Square mesh

Production packages

- 40 micron = main screen + 100 micron = support screen



BRITAS only recommends screen suppliers with approved good quality!