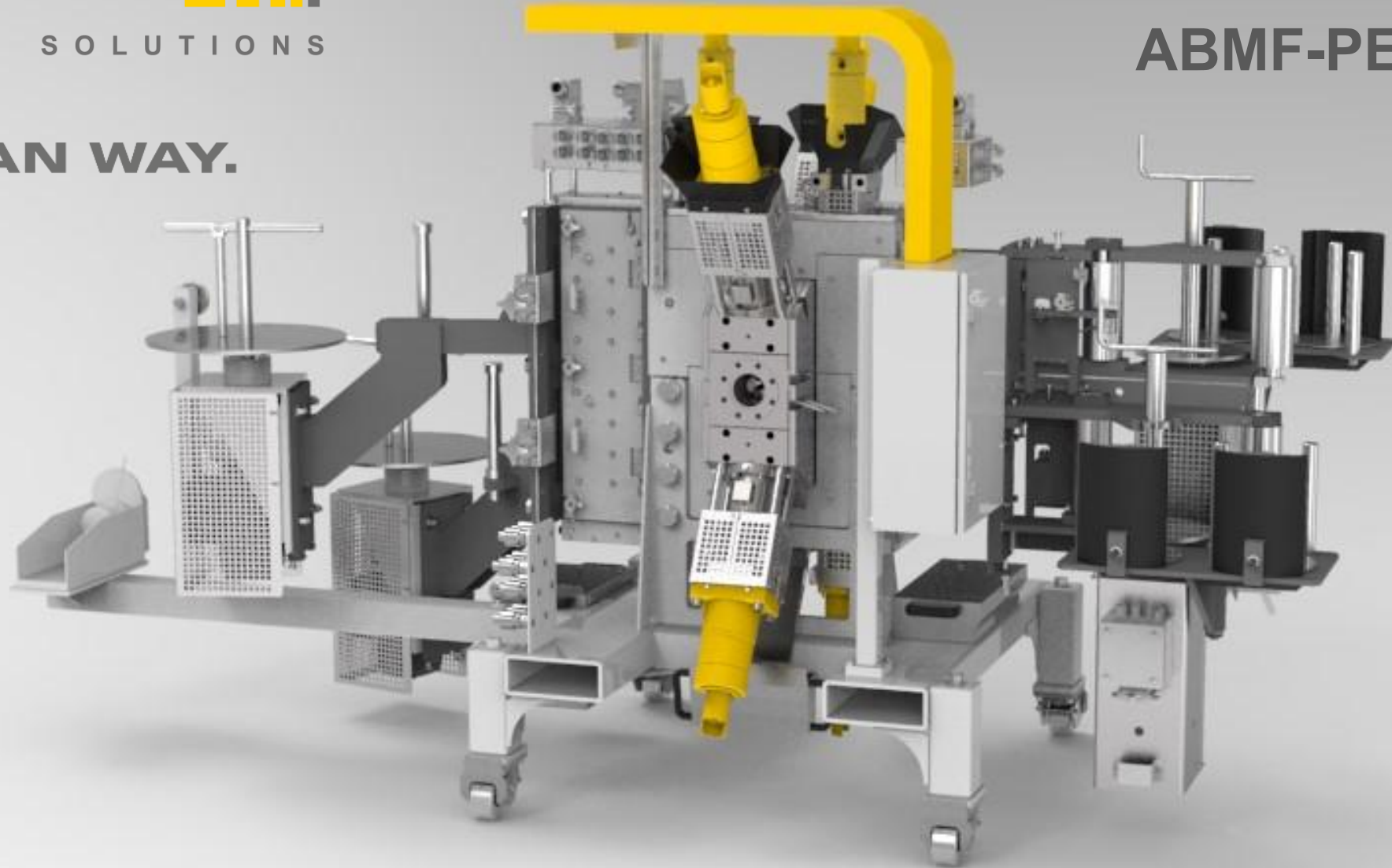




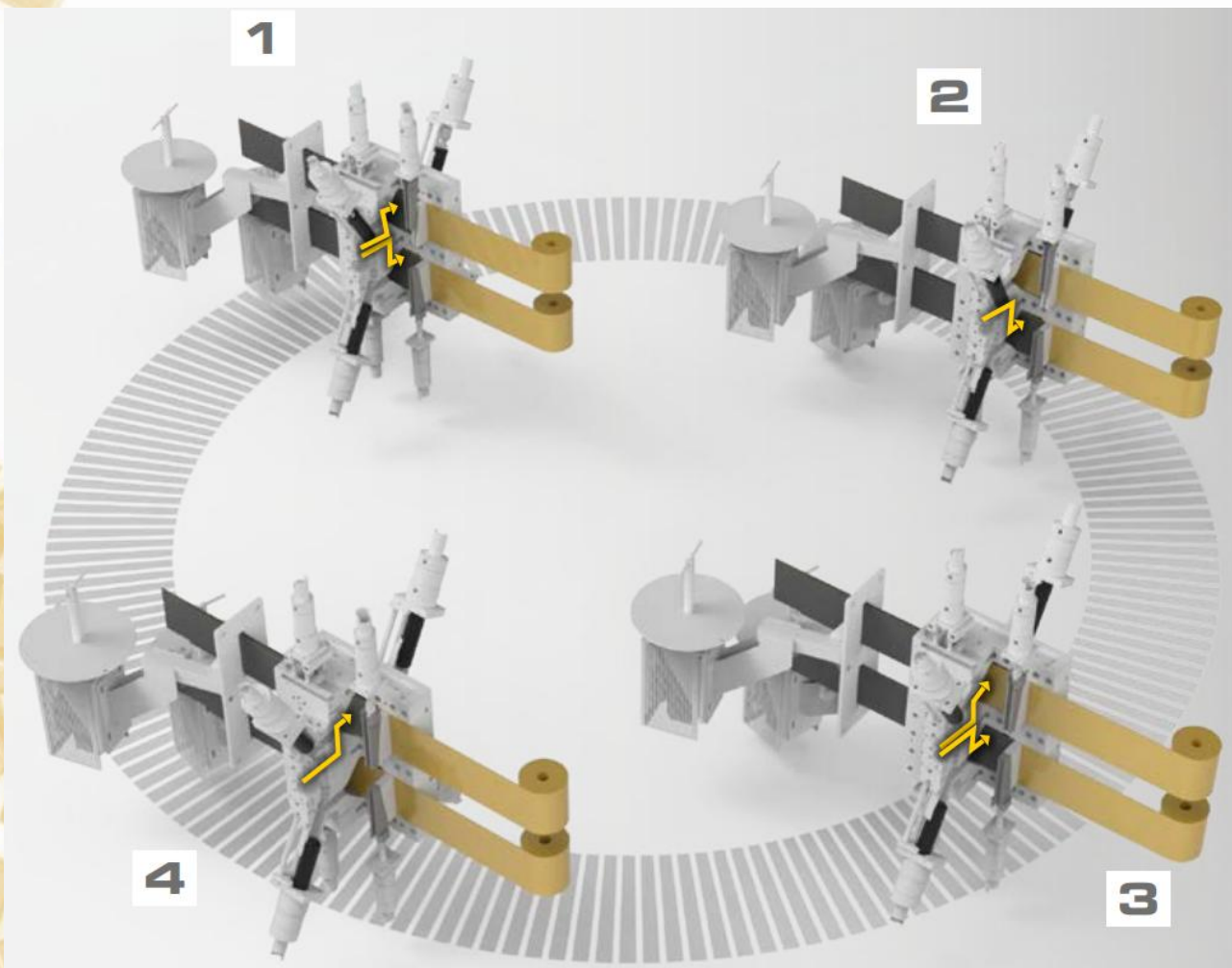
RECYCLING SOLUTIONS

THE CLEAN WAY.

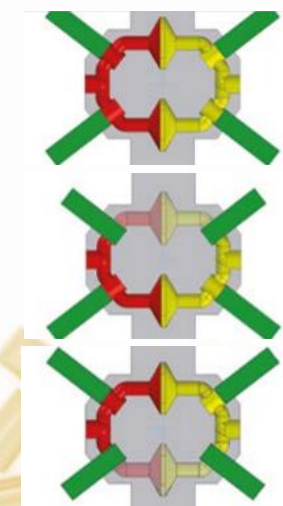


ABMF-PET-C

PROCESS SCREEN CHANGE ABMF-PET-C



- (1) Continuous melt stream through both cavities open. Valve 1 closes and melt stream only via cavity 2.
- (2) Infeed of screen in cavity 1.
- (3) Wedges in cavity 1 close and seal against leakage, valve opens and melt stream continuous through both cavities.
- (4) Process steps 1-3 repeats at cavity 2.



Open

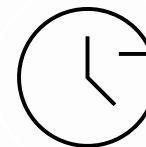
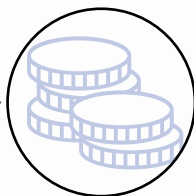
Upper Valve Closed

Lower Valve Closed

KEY-BENEFITS

Minimum melt loss

- 0,1 to max.0,5%
- No backflush material losses
- Quick ROI

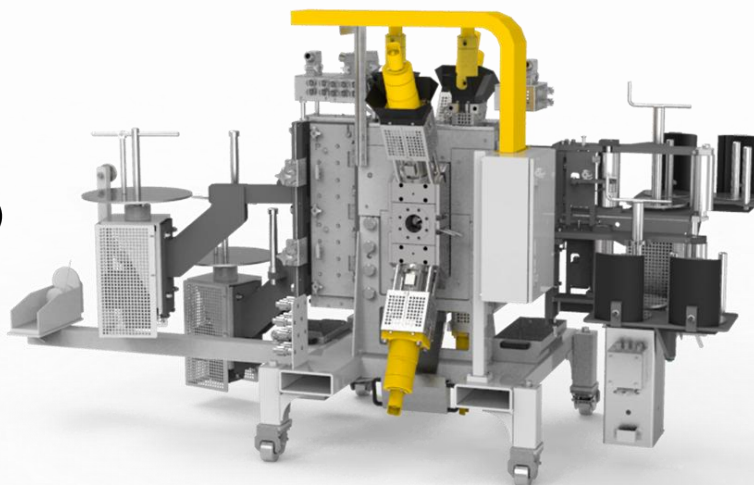


Made for Nonstop

- Low downtime
- Durable components
- High safety

High filtration quality

- Filtration fineness up to 20µm and finer
- The right screens for every application



Process-optimized control

- Homogeneous temperatur distribution
- Constant pressure
- Venting function

Optimized melt flow

- No dead spots
- Narrow dwell time spectrum
- Minimal AA build-up
- Top color values
- IV-stability



Easy integration into the most common PET systems

- SSP
- LSP
- Sheet-line

MELT LOSS BENCHMARK

BritAS – Melt loss

Melt loss (0,1% bis 0,5%)

0,1 %

Melt loss per year

21.197 kg

Melt loss per year in €

25.436,16 € / year

External brand – Melt loss

Melt loss

3,0 %

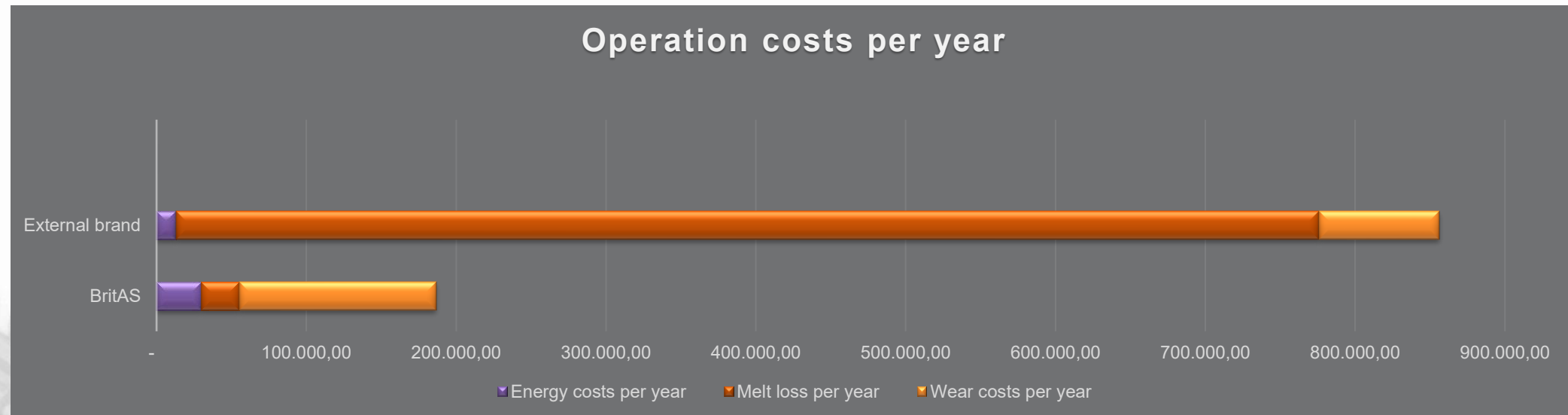
Melt loss per year

635.904 kg

Melt loss per year in €

763.084,80 € / year

Operation costs per year





Material

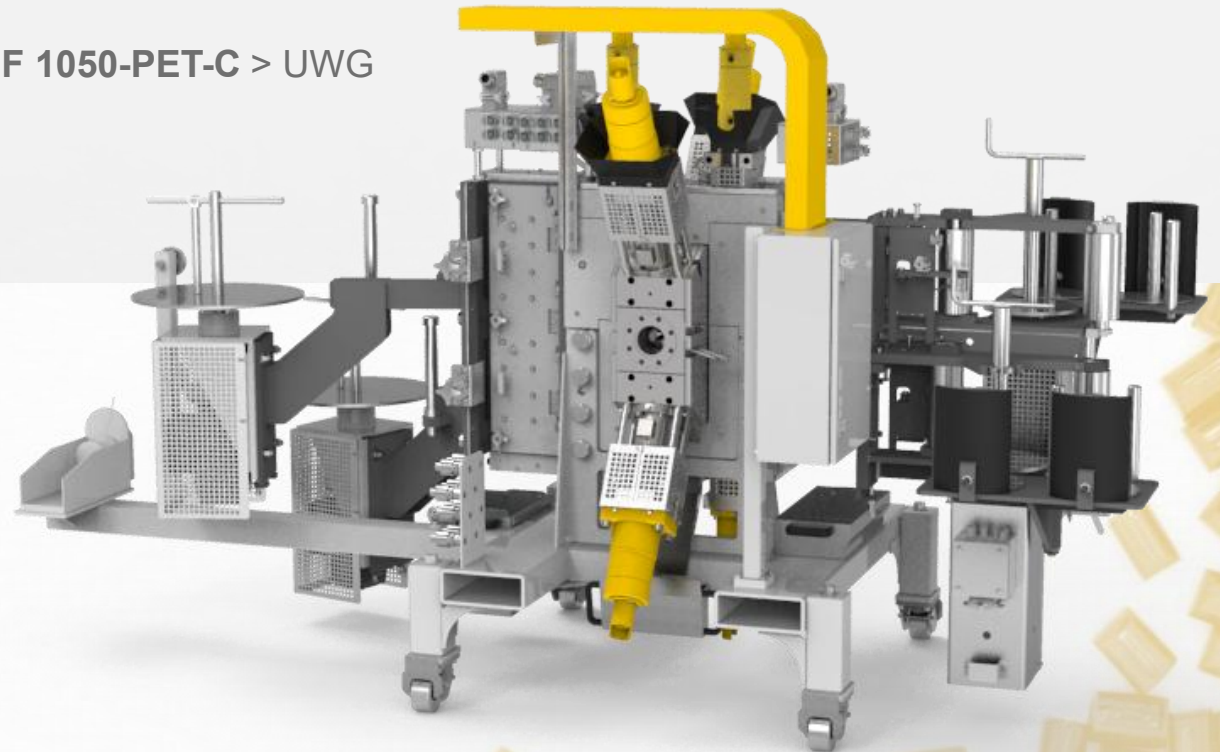
- Post-Consumer **PET** (bottles)

Extrusion data

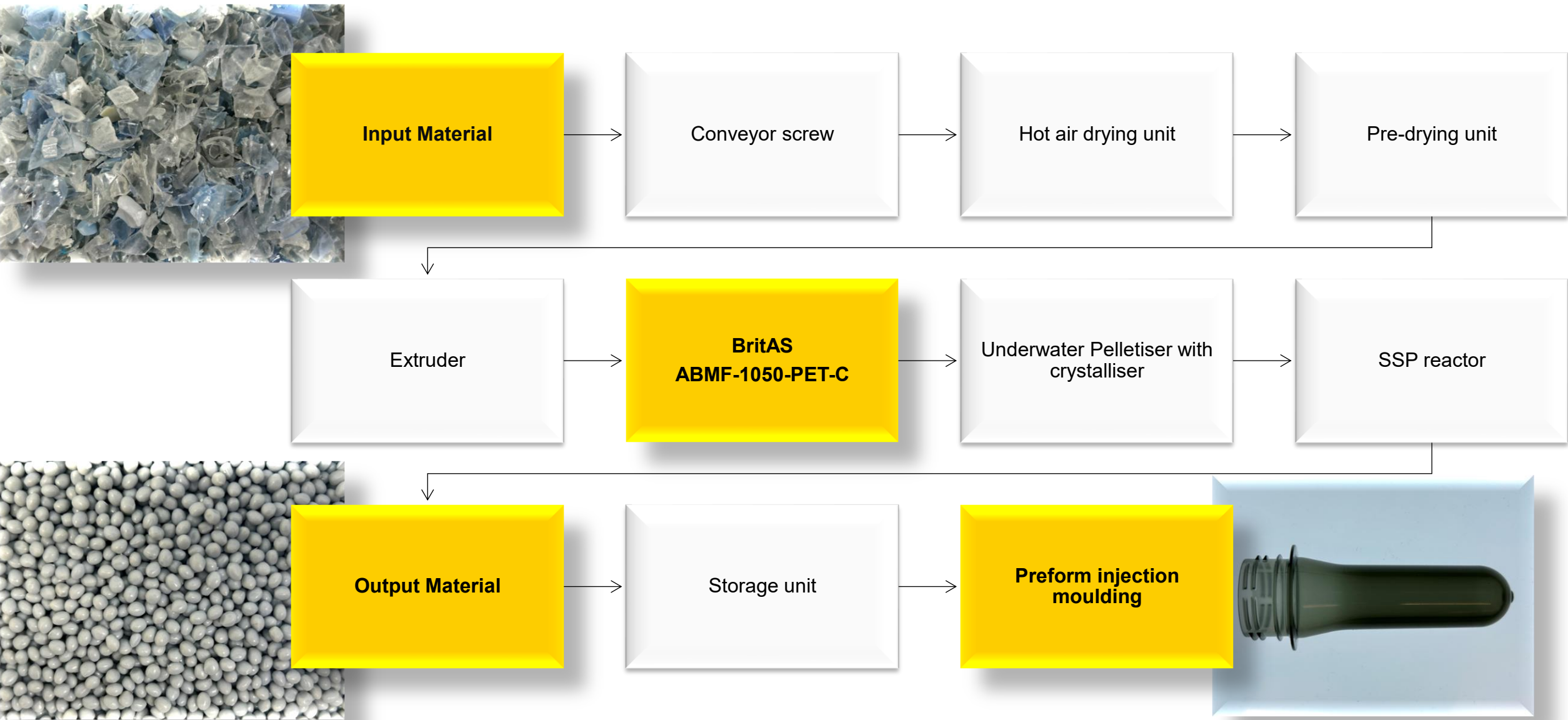
- throughput 2500 kg/h
- Single screw extruder > **ABMF 1050-PET-C** > UWG

Operation figures

- Melt loss ~ 0,1%
- Filter fineness 60μ - 20μ



BOTTLE-TO-BOTTLE-RECYCLING





Material

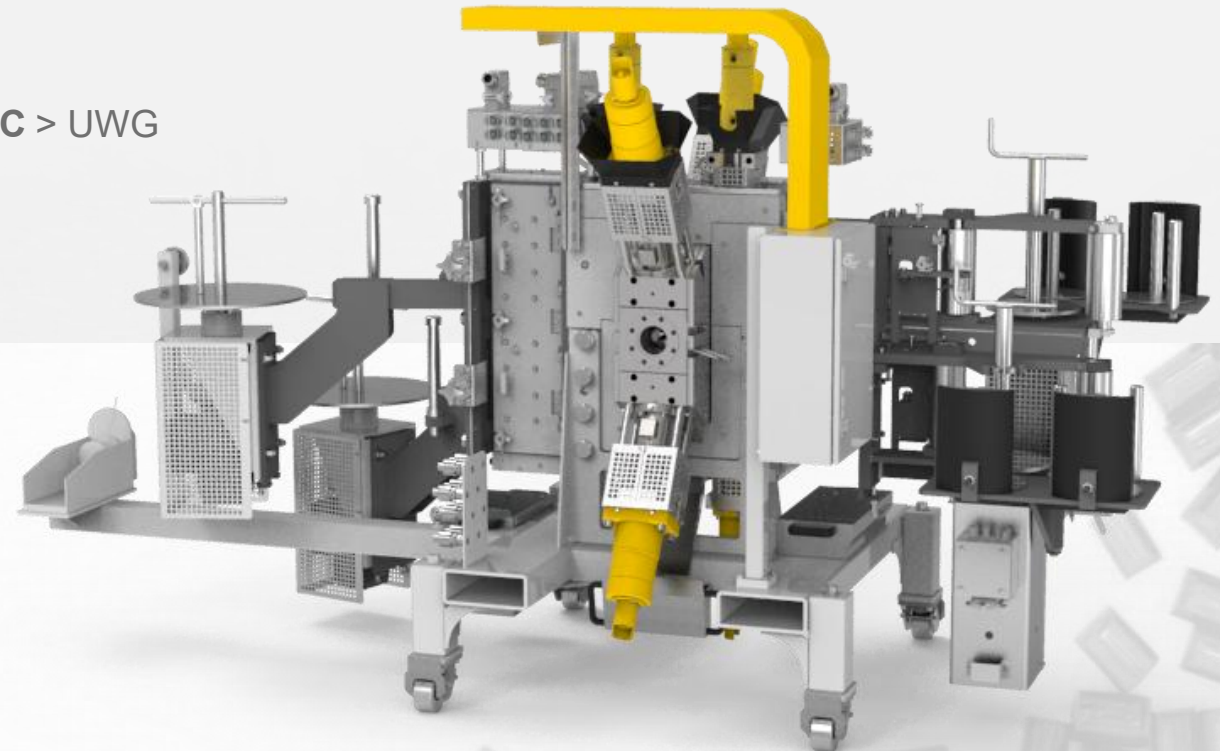
- Post-Consumer **PET** (**Fines**, waste of washing process)
- Contaminated with aluminum

Extrusion data

- throughput 1.200 kg/h
- Twin screw extruder > **ABMF 0570-PET-C** > UWG

Operation figures

- Melt loss ~ 0,5%
- Filter fineness 60μ





Material

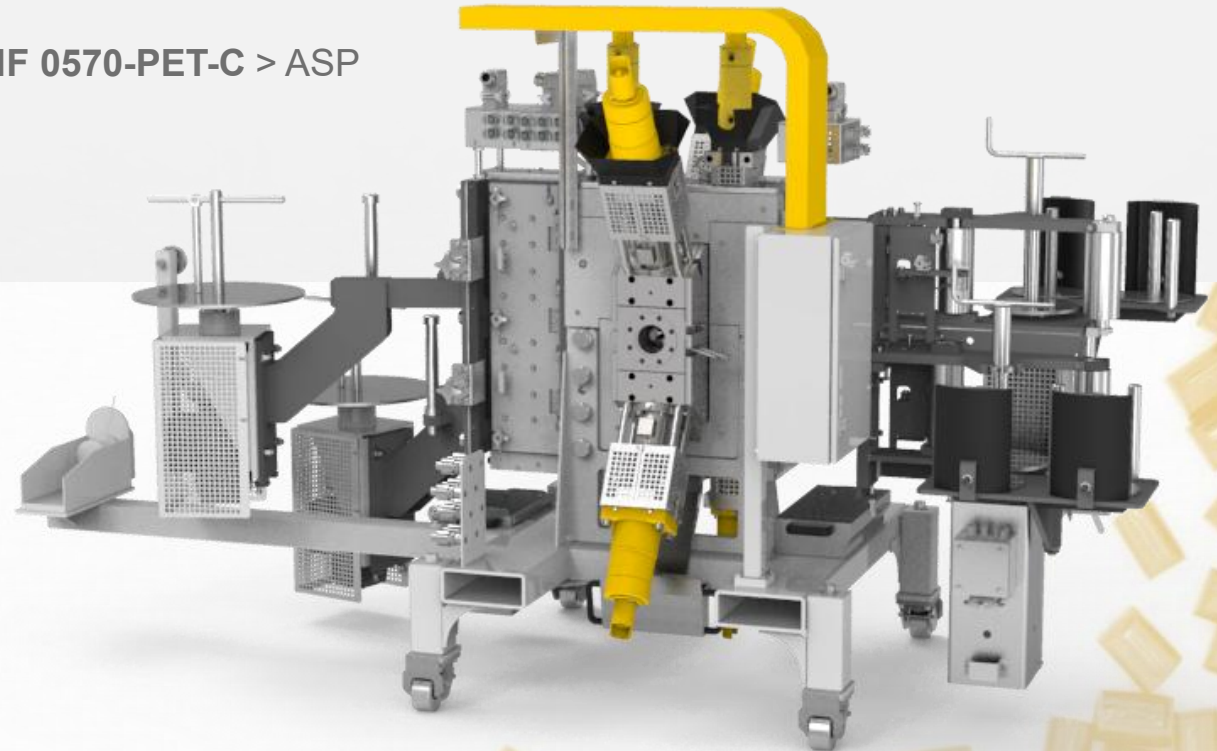
- PET start-up lumps

Extrusion data

- throuput 500 kg/h
- Single screw extruder > **ABMF 0570-PET-C** > ASP

Operation figures

- Melt loss ~ 0,4%
- Filter fineness 40μ



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!





ABMF-PET-C

