

CONTINUOUS MELT FILTRATION



eFACTORTHREE



Wood and paper are very common impurities in plastic recycling. Conventional filter systems using mesh screens are usually unable to manage even small amounts of such impurities.

The continuous **CDF**-type melt filter separates contamination such as paper, wood, aluminum or rubber efficiently and can deal with large amounts of contaminants in the melt stream (up to 5%).

A melt pressure controlled scraper system removes the contamination from the surface of a rotating screen disc with minimal polymer loss.



MAS CDF: FILTRATION OF THE HIGHEST CALIBER

Impurities are discharged continuously from the **CDF**, while the filtrated melt is forwarded to the pelletizing system. The melt pressure in front of the filtration disc automatically controls the function of the scrapers.

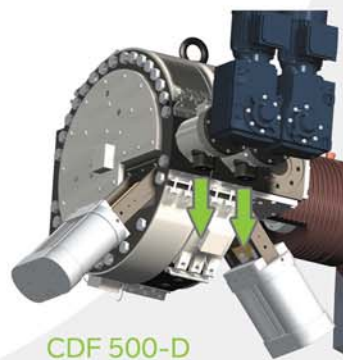
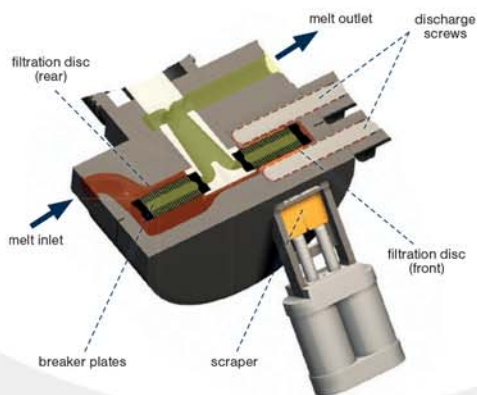
EASY MAINTENANCE

Filter discs are manufactured from hardened steel. Replacement is very simple as the filter screen is easily accessible once the split housing has been opened. Consequently, the filter screen can be replaced in a few minutes using conventional tools. The screen can be cleaned with a vacuum oven (like the SC 700) and reused numerous times.

PRODUCT RANGE

TYPE	CDF 300	CDF 500	CDF 500-D	CDF 500D-P
Diameter of filter	1 x Ø 300 mm	1 x Ø 510 mm	2 x Ø 510 mm	4 x Ø 510 mm
Filter surface	706 cm ²	1825 cm ²	3650 cm ²	7300 cm ²
Filtration finesse	90µm – 750µm	90µm – 750µm	90µm – 750µm	90µm – 750µm
Max. pressure	180 bar	180 bar	180 bar	180 bar
Capacity*	300 – 700 kg/h	800 – 1600 kg/h	1500 – 3000 kg/h	3000 – 6000 kg/h

* Depending on filtration finesse, polymer type and contamination level.



CDF 500-D
Contamination Discharge



NOTE: Technical data subject to change.

PLASTIC

PROCESSING & RECYCLING



- Low Energy Consumption
- Good Homogenization
- Undried PET, PLA Processing

Don't just
recycle -
**Create
value!**



CHECK OUT MAS' ENTIRE LINE OF HIGH PERFORMANCE EQUIPMENT



EXTRUDERS
Recycling and Compounding



CDF
Continuous Melt Filtration



SC 700
Vacuum Ovens



DRD
Dry Cleaning



MAS 24
Lab Extruder



AUXILIARY

- Closed Process Water Circuits
- Throughput Scales
- Silo Throughput Scales