

# Continuous Disc Filter from MAS

## Melt filtration for highest standards in Recycling.

### Filtration problems within your recycling process? MAS has the solution!

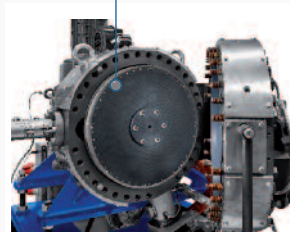
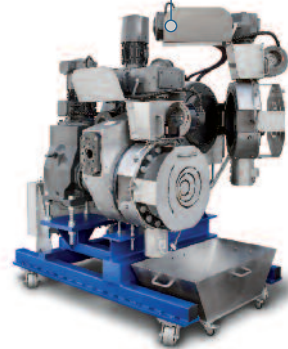
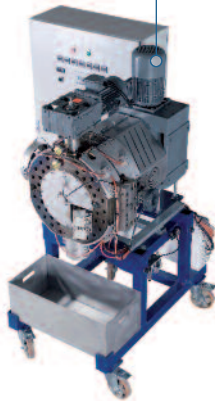
Conventional filter systems using mesh screens are usually unable to cope with even small amounts of contamination. The continuous CDF-type melt filter separates contamination such as paper, wood, aluminum or rubber as well as unmelted foreign plastics efficiently. The melt is filtrated via a rotating steel disc with drilled holes. The impurities are discharged continuously from the CDF by a discharge screw. A scrapper removes the contamination from the surface of the rotating screen disc. The melt pressure in front of the filtration disc controls automatically the function of the Scraper.

### Easy maintenance: Filter disc replacement

The filter discs are manufactured from hardened steel with hole sizes from 100 µm up to 750 µm. 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 within approximately 45 min using conventional tools. CDF - for sure the most economical melt filtration.

### Die CDF-Filertypen von MAS

Type	CDF 300	CDF 300-D	CDF 500	CDF 500-D
Ø Filter	1 x 300 mm	2 x 300 mm	1 x 510 mm	2 x 510 mm
Filtration surface	706 cm <sup>2</sup>	1.384 cm <sup>2</sup>	1.830 cm <sup>2</sup>	3.650 cm <sup>2</sup>
Filtration fineness	100 - 750 µm	100 - 750 µm	100 - 750 µm	100 - 750 µm
Max. melt pressure	180 bar	180 bar	180 bar	180 bar
max. pressure difference	150 bar	150 bar	150 bar	150 bar
Throughput capacity	300 - 700 kg/h	700 - 1.600 kg/h	700 - 1.600 kg/h	1.300 - 2.000 kg/h



## Recycling – Compounding – Filtration – Degassing

All in one step – with the MAS 93-K and CDF 300-D for output ranges up to 1600 kg/h

