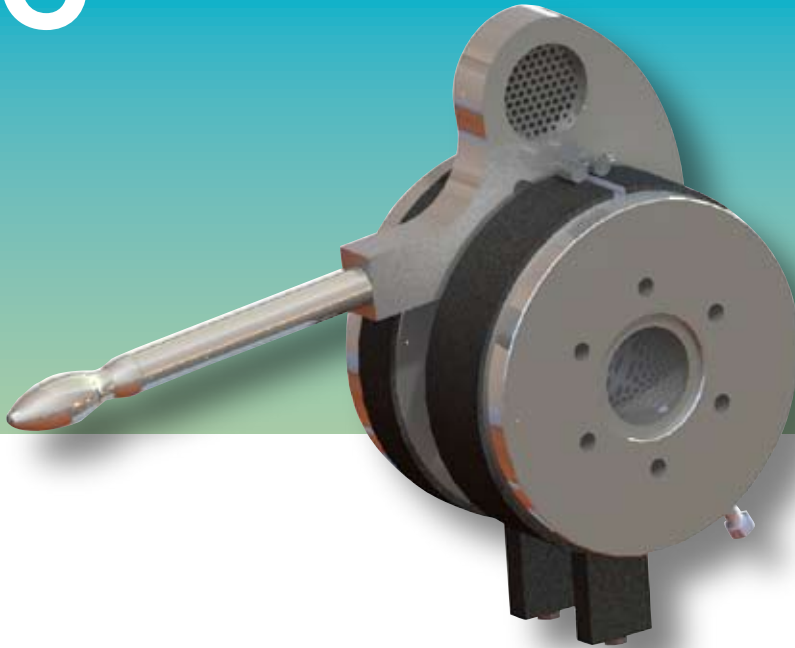


# HSC



## A range of typical applications:

- Flat films
- Foam films
- Blown films
- Plates (Sheet)
- Pipes
- Profiles
- Blown mouldings
- Fibres
- Granulation
- Recycling
- Compounding

## Discontinuous for a process-optimised filtration

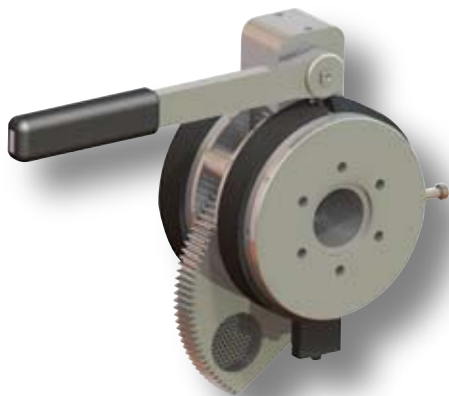
HSC screen changers have been the first choice of cost-effective filtration systems in extrusion lines for many years. They guarantee a consistently high melt quality in the selected filtration rate according to the screen mesh used. HSC screen changers also protect gear pumps and fine extrusion die gaps from damage and dirt accumulation in an equally reliable manner. This robust and solid design of a screen changer, which consists of a few elements only, is equipped with a pressure-adaptive sealing system as standard. This sealing system adjusts the required sealing forces to the actual melt pressure automatically. Rheologically optimised flow channels and compact dimensions guarantee a short residence time of the molten plastic in the filter and a simple installation, even in existing extrusion lines.

One breaker plate remains in the melt flow during the operation of the line, while the second breaker plate equipped with the clean filter cloth is in stand-by position outside the housing. The line has to be stopped for a short while to accomplish the screen change procedure. Then the clean breaker plate is moved into the melt flow channel by a simple manual swivelling movement, while the contaminated breaker plate is positioned outside.

- Simple operation with quick screen change
- High operational reliability
- Short material residence time
- Leak-free mode of operation
- Low pressure consumption
- Flow channel geometry without any dead spots

Size	Throughput* [kg/h]	Screen diameter [mm]	Filter area [cm <sup>2</sup> ]
020	3-7	1x21	1x3
030	10-25	1x31	1x7
035	25-45	1x36	1x10
045	30-80	1x46	1x16
050	35-85	1x51	1x20
060	60-150	1x62	1x28
065	70-175	1x67	1x33
075	80-200	1x77	1x44
080	110-290	1x83	1x50
090	110-290	1x93	1x64
100	140-350	1x103	1x79
120	200-500	1x123	1x113
160	350-800	1x163	1x201

\*depending on viscosity, filter size and degree of contamination



Upon request, the breaker plate can be fitted with a patented geared slide plate and drive pinion system, that facilitates comfortable screen changing even with limited space conditions and high sealing forces.

#### Application limits:

**Temperature:** up to 340 °C

**Operating pressure:** 700 to 1,200 bar

**Pressure differentia:** up to 200 bar

\*\*depending on size

#### Technical specifications:

**Screen diameter:** 20 to 160 mm

**Filtration area:** 3 to 201 cm<sup>2</sup>

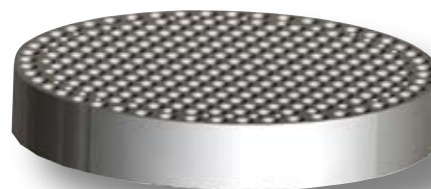
**Mounting:** compact mounting dimensions,  
all positions possible

#### Accessories:

- Connection adapter
- Base frames
- Screen plates

#### Options:

- Breaker Plate with Diverter Valve function
- Integrated screw tip for PVC applications
- Chromed, nickel-plated or specially-coated flow channels
- Stainless steel design, highly corrosion-resistant



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