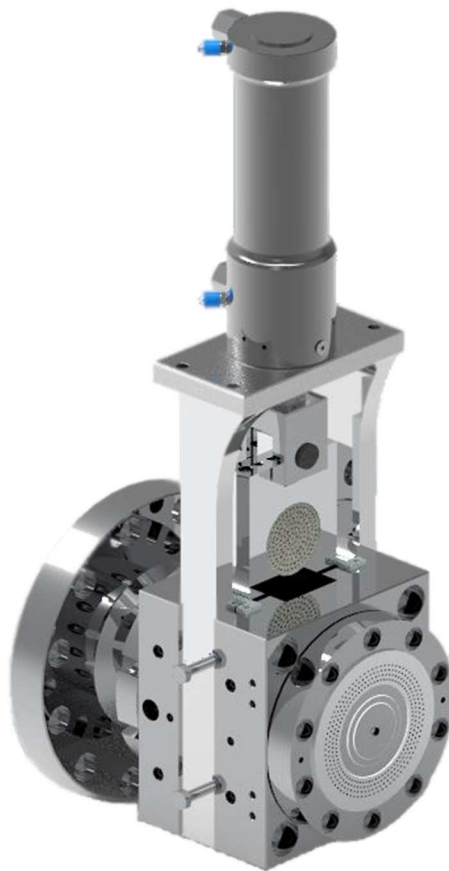


GTS



GERMANTWINSCREWS

High Speed Screen Changer



Extrusion Technology is GTS - Technology

GermanTwinscrewS GmbH

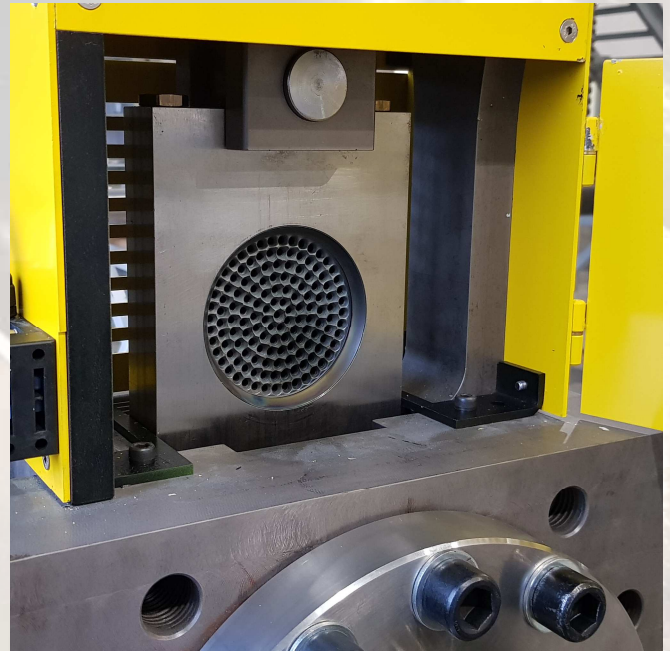
Since 1995 we do continuous optimization in screw technology, especially for counter-rotating twin screws. We take care of process energy optimization and take responsibility for our environment.

Highest quality standards and reliability towards our long-term and new customers are the main topics in our company philosophy. Our customers are located in more than 100 countries.

GTS High Speed Screen Changer

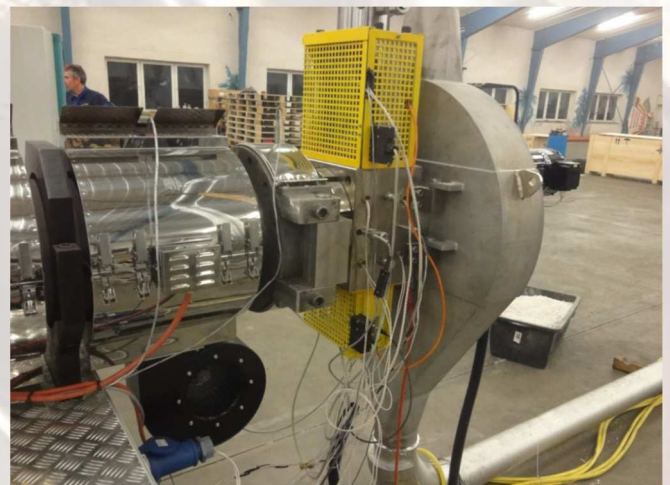
The GTS High-Speed Screen Changer (HSSC) is especially designed for applications in the field of sensitive plastics, like soft and rigid PVC. Therefore, all flow channels including the "screen plate" have a special design without hang-ups and are very well polished.

Our High-Speed Screen Changer differs significantly from existing systems on the market. The HSSC is changing the screen without reducing the rpm and the change over time is extremely short.



The system includes a pressure transducer, so that it can operate automatically. After screen changing, a signal is given and a lamp is flashing. Regardless of this, you can do this process manually.

GTS High Speed Screen Changers is an independent machine unit with CE sign. It is for the filtration of PVC during compounding or used inline as part of an extrusion line. For compounding it is often used together with the GTS pelletizing system.



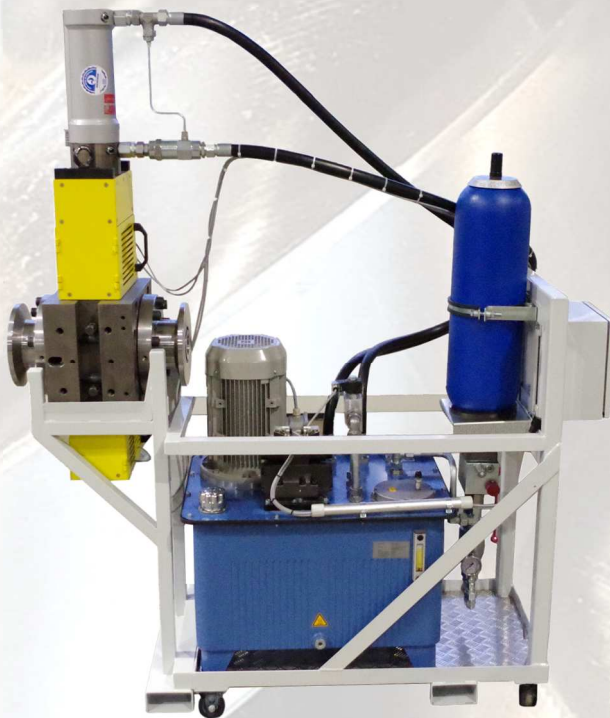
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Melt Filtering

A special HSSC feature is the pressure-tightness above 200 bar and the applicability for all non-transparent PVC types, including rigid PVC. In addition to PVC applications, the filter system can be used with other plastics (ABS, PS, etc.), with polyolefin applications and in the recycling business, especially where highest melt quality is required.

The screen changing time, moving the screen holder plate from the bottom to the top (or vice versa) will be done in a time of approximately 0.2 seconds for the smallest and 0,35 seconds for the largest system. Because of this fast change-over time, there will be almost no pressure increase in front of the screw tip.

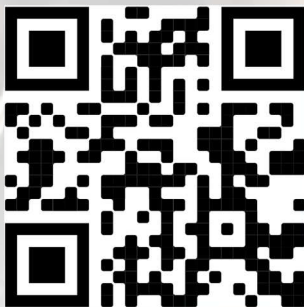
During transport the screen can be fixed on a trolley which is the base of the hydraulic and the electrical system. This trolley can be moved on its stable wheels.



The output (kg/h) of the screen changer depends on the polymer, the process condition and the degree of melt pollution. This must be considered when choosing the dimension of the melt filtration system.

HS Screen Changer Models

	Min. kg/h	Max. kg/h
PVC Compounding (PVC-P, ABS, PS, etc.)		
HS 6-C	450	1,250
HS 8-C	850	2,300
HS 15-C	1,300	3,500
PVC Extrusion (PVC-U, PU, etc.)		
HS 6-E	200	550
HS 8-E	360	1,050
HS 15-E	500	1,550
Recycling Application (Inhouse Recycling)		
HS 6-R	400	1,100
HS 8-R	700	1,850
HS 15-R	1,000	2,600



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