

# HIGH SPEED SCREEN CHANGER

# GTS High Speed Screen Changer

Since **1995**, we have specialized in the development and continuous improvement of twin screw technologies, particularly in counter-rotating systems. Our focus lies in energy-efficient processes and environmentally responsible engineering.

High quality, reliability, and long-term customer partnerships are central to our company philosophy. Today, we proudly serve customers in over 100 countries around the world from plastics processing to advanced recycling operations.

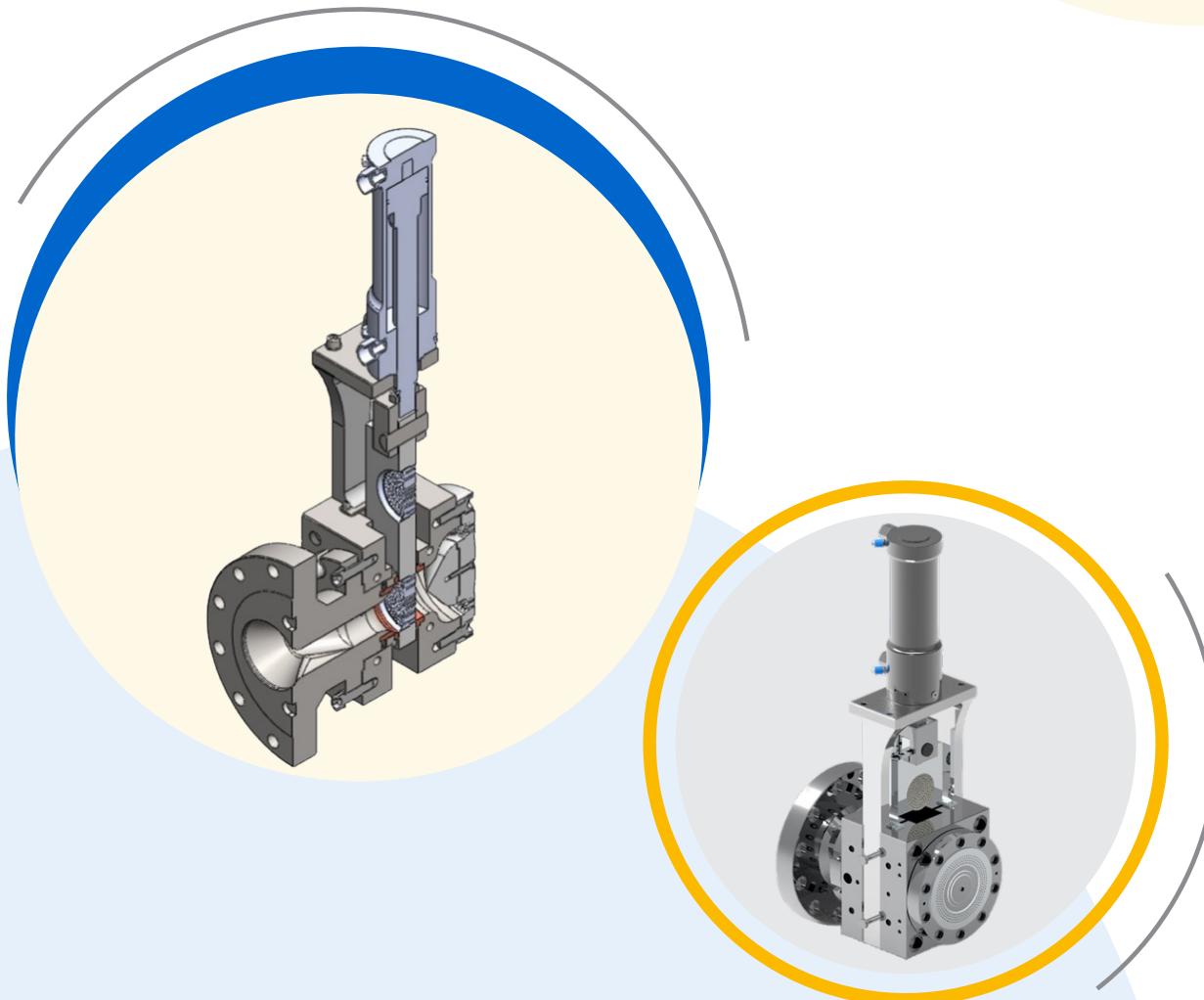
The GTS High Speed Screen Changer (HSSC) was developed specifically for use with sensitive materials like soft and rigid PVC. All melt flow channels, including the screen plate are designed to eliminate dead zones and ensure a polished, residue-free interior.

What sets the HSSC apart from conventional systems? It allows for screen changes without reducing screw speed and completes the switch in an exceptionally short time, making it a unique and efficient solution in the market.



Equipped with an integrated pressure transducer, the HSSC automatically initiates the screen change when the system reaches a predefined pressure. A visual signal lamp indicates the ongoing change process.

Manual operation is also available, providing flexibility based on user preference. The unit is CE-certified and operates as a stand-alone machine, either inline within an extrusion line or integrated into a compounding setup — ideally in combination with the GTS pelletizing system.



#### The GTS High Speed Screen Changer is suitable for a wide range of applications:



**PVC compounding**  
(soft and rigid)



**Extrusion processes**  
involving PVC-U,  
PU, and others



**Recycling**  
of plastics with  
high melt purity  
requirements



**Processing of  
opaque materials,**  
even under high-  
pressure conditions

It is particularly valuable in applications requiring consistent melt quality and minimal process interruptions.

**Pressure resistance exceeding 200 bar**

**Extremely fast screen change times:**

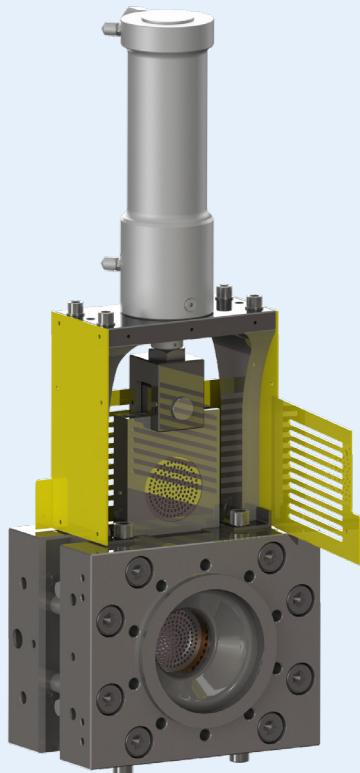
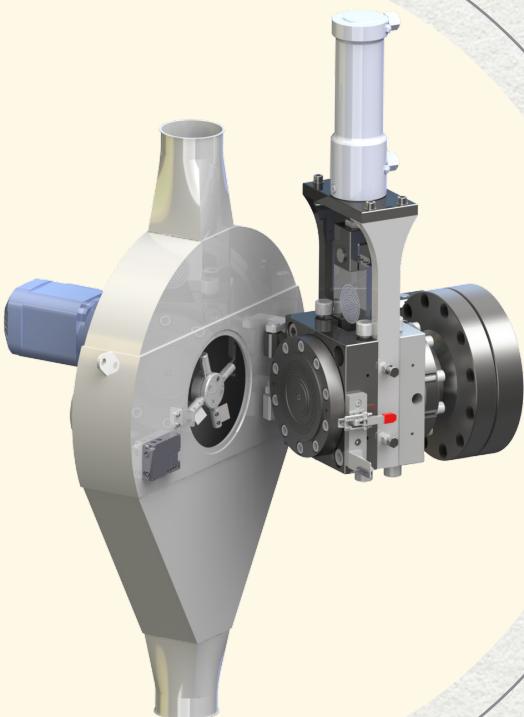
~0.2 seconds (smallest unit)

~0.35 seconds (largest unit)

**Mobile trolley system** with integrated hydraulic and electrical modules, mounted on heavy-duty wheels

**Minimal pressure buildup** during the screen switch

These features ensure reliable, high-performance operation — even under demanding production conditions.





Choosing the right system depends on the polymer type, process conditions, and contamination level. The tables below provide an overview of available models and throughput capacities:

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



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We invite you to contact us to learn more about our products and services. Our team is ready to discuss your specific requirements and offer customized solutions.

Best regards,

Your GermanTwinscrewS GmbH Team

♥ of Extrusion

