



Pro Melt

Solutions that move.

Because extrusion needs experts.

Whether you are masterbatching, compounding, film/pipe extruding or recycling the quality standards in polymer processing continue to increase. Trendelkamp polymer systems meet highest expectations and are conveniently designed to meet your individual requirements.

Our product range consists of:

Extrusion Machinery

- Screen Changer
- Melt Pumps
- Start-up Valves
- Diverter and Injection Valves
- Adapter Technology

Auxiliary Equipment

- Pellet Classifier
- Mixing Silos
- Flake Silos
- Extruder Degassing Systems

SCREEN CHANGER

Continuous screen changers

Continuous screen changers from Trendelkamp are built to meet the highest quality standards in polymer melt filtration. TSK & TASK screen changers are based on the proven dual bolt design and are highly reliable.

- Discontinuous or continuous operation
- Single or dual bolt technology
- Process constant operation
- Leakage free
- No pressure seal replacement
- No air nor degrades into melt
- Full insulated
- Lifetime beyond 20 years with proper maintenance



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Screen Changer TSK

for continuous filtration

Benefits:

- Reliable continuous operation
- Fewer screen changes and lower screen cost
- Reduced shear stress on product
- Reduced pressure drop across the screen changer
- Safe, easy operations and reduced maintenance

- Two screen cavities
- Continuous operation
- Rectangular breaker plate



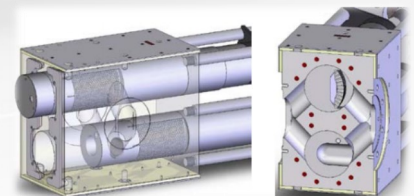
Screen Changer TASK

for continuous filtration

Benefits:

- Reliable continuous operation
- Fewer screen changes and lower screen cost
- Reduced shear stress on product
- Reduced pressure drop across screen changer
- Safe, easy operations and reduced maintenance
- Reduced extrusion line length
- No additional diverter valve and hydraulic unit required

- Two screen cavities
- Continuous operation
- Rectangular breaker plate



Features & Applications for TSK & TASK

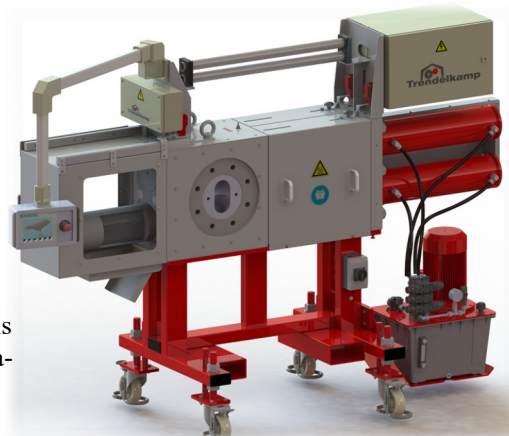
Screen Changer TSK The industry standard

Features:

- Two screen cavities
- Process constant filtration
- No interruption in production during screen change process
- Manual and PLC control

Applications:

- Suitable for nearly all extruded materials
- Compounding, Granulation, Polymerization, Sheet, Pipe, HMA



Screen Changer TASK The diverter

Features:

- Two screen cavities
- Integrated divert function for start-up
- No additional diverter valve necessary
- Process constant filtration
- No interruption in production during screen change process
- Manual and PLC control

Applications:

- Suitable for nearly all extruded materials
- Compounding, Granulation, Polymerization

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Backflush Screen Changer.

Trendelkamp screen changers are based on the proven dual bolt principal. The integrated backflush feature cleans each filtration screen pack when a predetermined level of contamination is reached. This feature increases the lifetime of filtration screen packs significantly, thus reducing overall operational costs.

Features & Applications for Backflush Screen Changer TSK-RS & TSK-XRS

Screen Changer TSK-RS The 2 cavity backflush.

Features:

- Two screen cavities with backflush capabilities
- Efficient internal cleaning process of the screens
- Increased screen life
- Process constant filtration
- No interruption in production during screen change process

Applications:

- Suitable for nearly all extruded materials
- Compounding, Recycling, Granulation, Polymerization, Sheet, Pipe



Screen Changer TSK-XRS The 4 cavity backflush.

Features:

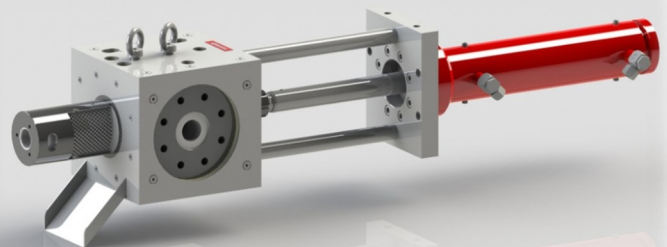
- Four screen cavities with backflush capabilities
- Efficient internal cleaning process of the screens
- 75% of filtration area in production at all times
- Increased screen life
- Process constant filtration
- No interruption in production during screen change process

Applications:

- For high contaminated polymers
- Suitable for nearly all extruded materials
- Compounding, Recycling, Granulation, Polymerization, Sheet, Pipe

Discontinuous Screen Changer.

Discontinuous screen changers from Trendelkamp are built to meet the highest quality standards in polymer melt filtration. T ASD & TSD screen changers are based on the proven dual bolt design and are highly reliable.



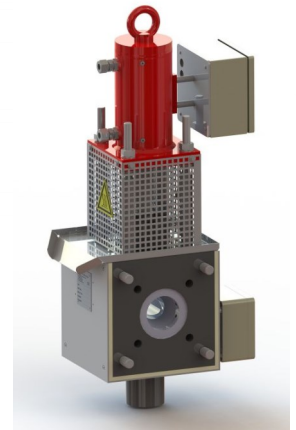
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DIVERTER VALVES

Trendelkamp diverter valves are used everywhere a melt is diverted, separated, or united. The valve is hydraulically operated and moves the valve bolt rapidly in its different positions.

Diverter valves from Trendelkamp effectively perform a variety of functions in the polymer, chemical and food industries. TAV / TWV valves can be used for smooth, efficient start-up processes of an underwater pelletizer, or for diverting fluids to one or more ports.

- Bolt valve design
- Hydraulically operated
- Movement < 1 sec
- Suitable for nearly all polymers and extruded materials
- Energy efficient design



Start-up



Production



Cleaning

PELLET CLASSIFIER

The Trendelkamp pellet classifiers efficiently separate both fine and course particles from specified material. Additionally, non-uniform particles or debris can be separated resulting in a very versatile system.

Benefits:

- Increased product quality
- Easy to operate and maintain
- Unique oscillating movement prevents pellet bounce

Options:

- Stainless steel cover with inspection windows
- Operator panel location (left/right)
- Adjustable taper unit (MB design)
- Mobile design

- Easy to operate
- Quick release screens
- Easy to maintain



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MIXING SILOS

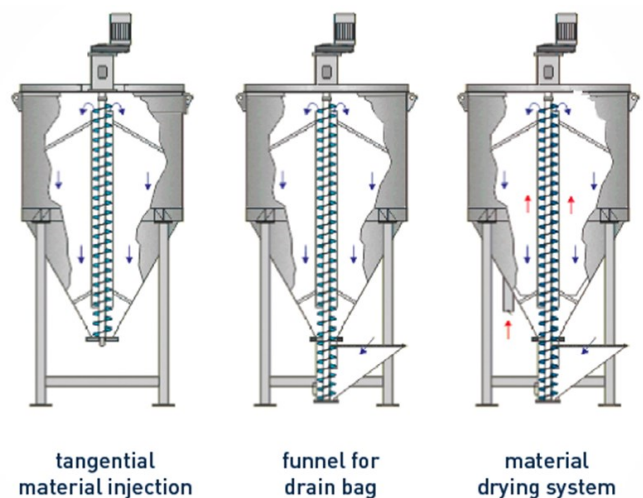
Trendelkamp mixing silos are field proven and successfully utilized within a wide range of practical applications across many industries.

Benefits:

- Robust construction
- Precision design
- Continuous mixing process
- Easy to operate and maintain

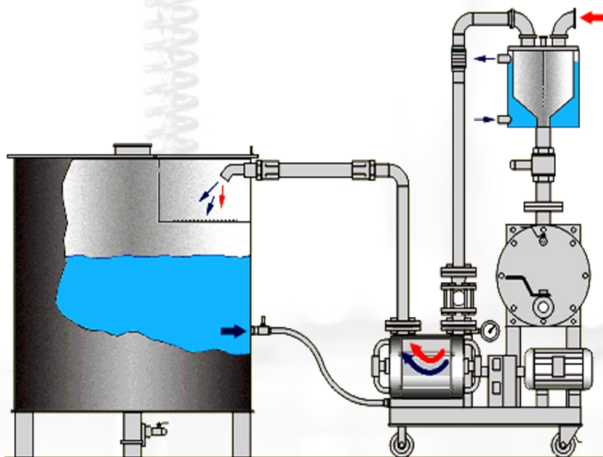


- Efficient mixing process
- Easy to clean
- Reliable design



MIXING SILOS

Increased product quality and consistency with an extruder degassing unit from Trendelkamp. Many customers rely on the extra value achieved by extracting harmful gasses from their extrusion process, thus improving the overall quality of their product and safety of their system environment.



Benefits:

- Increased throughput rate
- Increased extruder efficiency
- Increased operational safety
- Simple and easy to maintain
- Robust and reliable design
- Increased product quality
- Compact design
- Adjustable suction pressure

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CONTACT

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Screen Changer



Diverter Valves



Melt Pumps



Mixing Silos



Pellet Classifier



Extruder Degassing Systems

