



KEY FILTERS
PARKINSON TECHNOLOGIES INC

KCH Continuous Belt Screen Changer

Turnkey solution to meet melt filtration needs for thermoplastic and elastomer materials



Performance

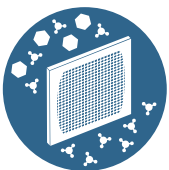
- **Rapidly and automatically responds to increased contamination (pressure control)** - true continuous system with little to no monitoring
- **Works with most thermoplastics and TPEs** - tested on the most common materials
- **Reliable Mechanical Puller Screen Advance** - uniform and controlled screen movement

Innovation

- **ScreenLync™ interlocking continuous belt screen system** - first-of-its-kind interlocking system offers enhanced safety and efficiency
- **Quick Change Breaker Plate** - Toolless removal of breaker plate in under 5 minutes.
- **Spent screen shear** – device automatically cuts waste screen exiting the filter for easy disposal
- **Intuitive Controls** - features built in U.S. & metric units of measurement along with language conversion (English, Spanish and Chinese)

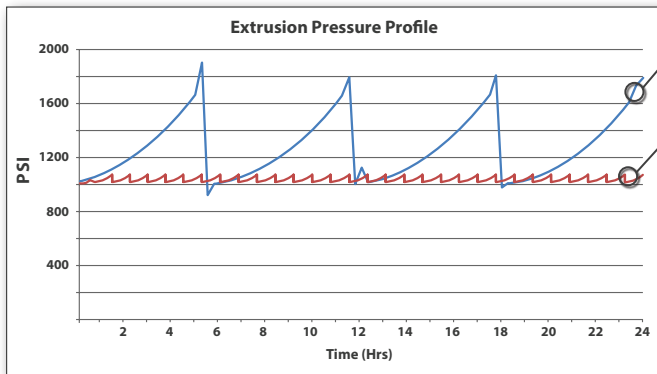
Economical Solution

- **Low capital investment** - quicker return on investment
- **Minimal operator involvement** - labor savings and consistent product quality
- **Uses continuous belt of high tensile reverse Dutch weave filter media** - low consumable screen cost



Screen Changer
Melt Filtration

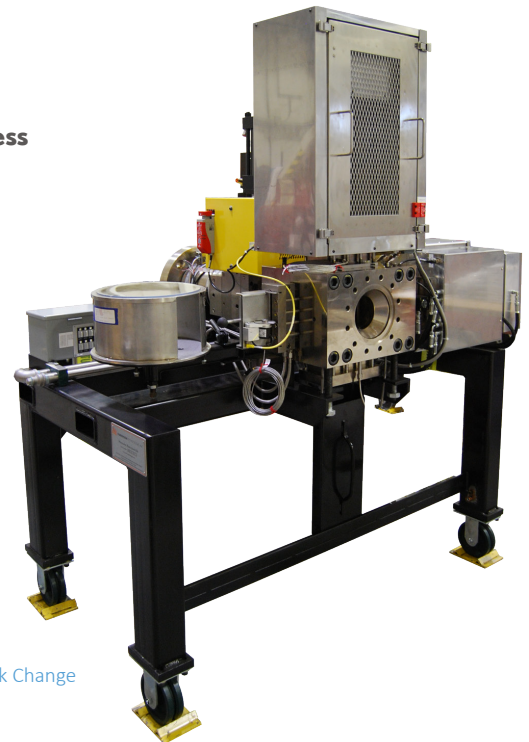
KCH Continuous Belt Screen Changer



Standard Melt Filtration Process

Key Filters KCH Continuous Process

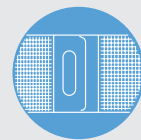
The KCH Continuous Hybrid Screen Changer offers a smoother more consistent pressure profile for a better product at a higher overall yield.



KCH-6.0QC Quick Change Breaker Plate

Standard KCH

Polymers	Polymers Including: HDPE/MDPE/LDPE/LLDPE High, Medium, Low, & Linear Low density Polyethylene PS Polystyrene PP Polypropylene PET Polyethylene Terephthalate TPE Thermoplastic Elastomers
Extrusion Pressure Range	<5000 psi
Melt Temperature Range	<600° F
Sizes	2.5" (65 mm) to 12.0" (300 mm)
Throughput	<15000 pph
Applications	Pipe and profile Film and Sheet Extrusion Polymer Compounding Blow Molding
Mesh Sizes	40 mesh (400 micron) to 250 mesh (55 micron)



ScreenLync™
Interlocking Continuous Belt Screen System

This innovation enables the operator to hook the new full RDW (Reverse Dutch Weave) screen roll to the end of the old RDW roll in less time than is currently required, thereby reducing operational downtime.

- **First-of-its-kind**
- **Safety** - avoid contact with high-heat areas
- **Efficiency** - skip clean out phase

All melt filtration applications are reviewed and are not limited to the above specifications. Please contact Parkinson Technologies to discuss your application.



PARKINSON TECHNOLOGIES INC

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