



KEY FILTERS
PARKINSON TECHNOLOGIES INC

KCH Continuous Belt Screen Changer

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



KCH 4.5

Performance

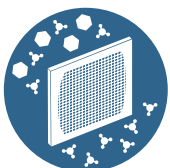
- **Rapidly and automatically responds to increased contamination (pressure control)** - true continuous system with little to no monitoring
- **Works with all thermoplastics and TPEs** - tested on the most common material
- **Reliable hydraulic puller action** – uniform and controlled screen movement

Innovation

- **ScreenLync™ interlocking continuous belt screen system** - first-of-its-kind interlocking system offers enhanced safety and efficiency
- **Spent screen shear** – device automatically cuts waste screen exiting the screen puller
- **Ergonomic PLC operation** - built in English & metric units of measurement along with language conversion (English, Spanish and Chinese)

Economical Solution

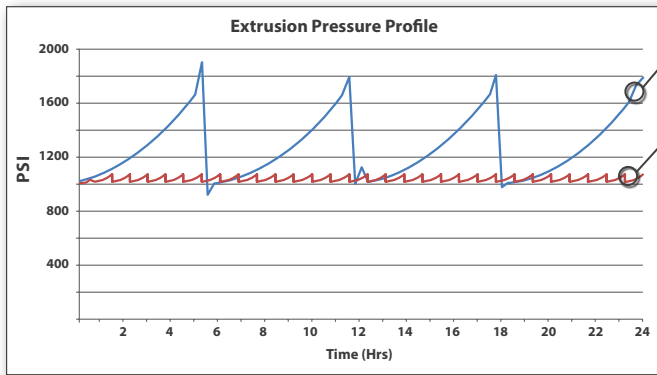
- **Low capital investment** - quicker return on investment
- **Minimal operator involvement** - labor savings
- **Uses continuous belt of high tensile reverse Dutch weave filter media** - low consumable screen cost



Screen Changer
Melt Filtration



KCH Continuous Belt Screen Changer



Standard Melt Filtration Process

Key Filters KCH Continuous Process



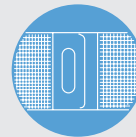
KCH MHS with Melt Pump and an Ultrafine Cartridge Filter

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

Standard KCH

Polymers	Polymers Including: HDPE/MDPE High & Medium-density polyethylene PS Polystyrene PP Polypropylene PET Polyethylene terephthalate
Extrusion Pressure Range	<5000 psi
Melt Temperature Range	<600° F
Sizes	2.0" (50 mm) to 12.0" (300 mm)
Throughput	<15000 pph
Applications	Pipe and profile Film and Sheet Extrusion Polymer Compounding Blow Molding

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



ScreenLync™
Interlocking Continuous Belt Screen System

ScreenLync™: 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



PARKINSON TECHNOLOGIES INC

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