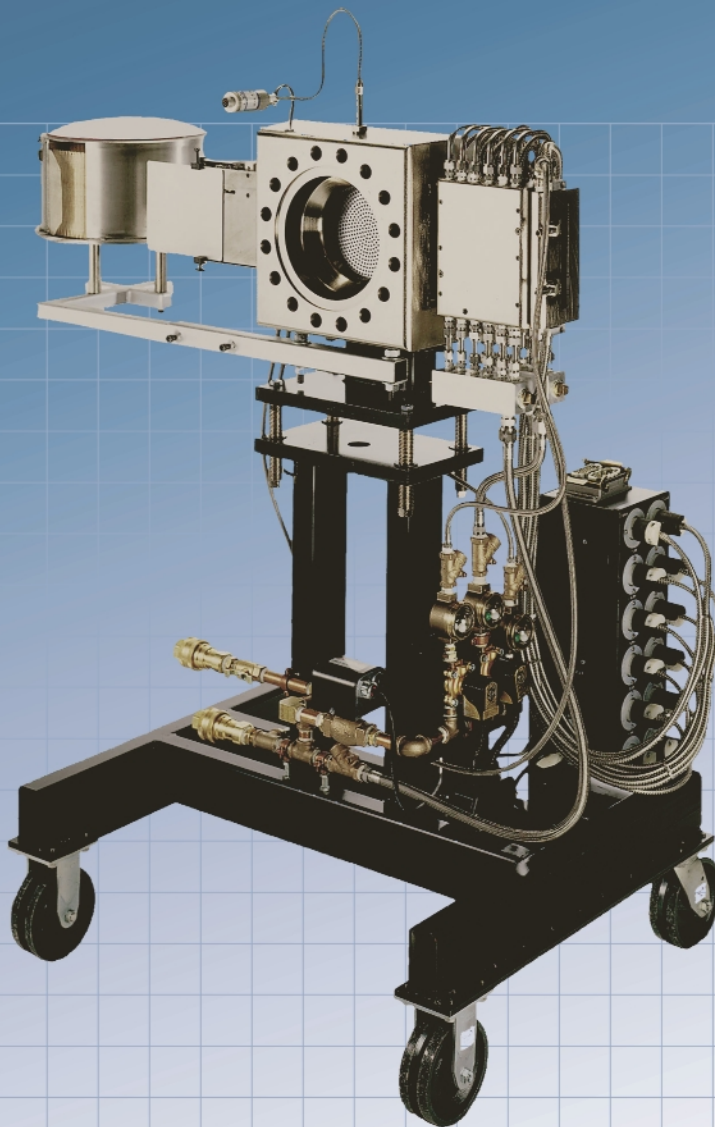


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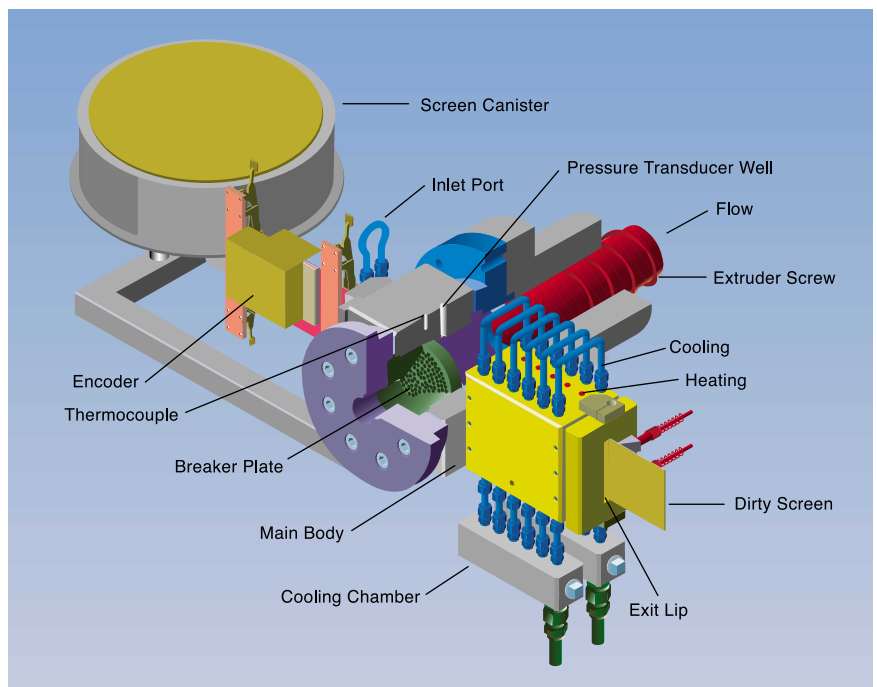


**KCN Continuous Screen Changer**



# KCN

- Uses Continuous Ribbon or Reverse Dutch Weave Stainless Steel Filter Media
- Unnecessary to Stop the Process to Change Clogged Screen Packs
- Automatically Responds to Increasing Upstream Melt Pressure to Advance Screen and Maintain Pressure
- Simple On/Off Control Requires No Hydraulics, Motors or Devices
- Compact, Leak-Free Design



The KCN Continuous Screen Changer offers an economical, efficient way for plastic processors to filter the contaminants from polymer melt flows. It can be used to filter any type of thermoplastic material. The distinctive feature of the KCN is a continuous ribbon of Reverse Dutch Weave stainless steel filter media which unwinds from a canister mounted on the machine. The filter wire enters the screen changer through a water-cooled sealed inlet port and is moved through the melt flow at a rate normally controlled by a timer, but can also respond to increasing upstream melt pressure, which occurs as contaminants accumulate on the screen. At this point, the contaminated screen is advanced out of the melt flow and moves into the discharge port, drawing clean screen into the melt flow.

Due to the unique operating principle, it eliminates the need to interrupt the process to change clogged screen packs or breaker plates. This assures constant extrusion pressure, consistent product quality and decreased scrap production.

Polymer entering the discharge chamber is cooled by a chilled water supply. The cooled polymer forms a seal which prevents melt flow leakage from the screen changer. When the timed cycle concludes, high wattage heaters switch on and solenoids turn off the chilled water supply. The plug softens, allowing the melt pressure to push to contaminated screen out of the chamber.

After the fresh screen is pulled into the melt flow area, the water supply turns on, the heaters turn off and a new polymer plug is formed. The cycle continues automatically.

Customized settings are available for different materials and extrusion conditions

**KEY filters, inc.**

MELT FILTRATION MACHINERY

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