

## The 2017 APR Plastics Recycling Showcase

### *ECO Continuous Melt Filter for PET Extrusion*

Ettlinger was founded in 1983 in Augsburg Germany. Ettlinger's core competence is the development and manufacture of high performance melt filters and injection molding machines. Ettlinger is active worldwide with a subsidiary in the United States and representation in all major markets.

Ettlinger is recognized as one of the leading companies in high performance filtration with over 200 filters installed worldwide and more than 30 years of experience.



#### **Product Description**

The Ettlinger ERF and ECO filters offer a new spin on melt filtration technology for the extrusion industry. Static mesh screens have been replaced with ridged cylindrical filters that are continuously wiped clean of contaminants. Frequent screen changes and backflush events are no longer required leading to greatly improved pressure stability and improved up time.

With the introduction of our latest series of ECO filters, it is now possible to process low viscosity materials such as PET and nylons. The ECO filter offers the following benefits over back flush or filter wheel screen changers.

- ) Continuous self-cleaning operation ensures stable operating pressures for weeks or months
- ) Ridged screens with conical holes eliminate mesh expansion which prevent gels and cross linked materials from passing by the filter
- ) Compact design makes it easy to retrofit the into existing lines
- ) Air tight construction prevents material degradation leading to a 50% reduction in black specs in sheet production
- ) Continuous self-cleaning design enables the use of lower cost recycled materials helping to reduce production costs
- ) By automatically adjusting the RPM of filter screen, the system can maintain a consistent pressure even when processing highly contaminated materials
- ) Short residence time allows for quicker startups and reduced production waste
- ) Cylindrical filter cartridges provides a large surface area in a compact design

#### **Contact Information**

Paul Hueter [Paul.hueter@ettlinger.com](mailto:Paul.hueter@ettlinger.com) (484) 809-4572

**Congratulations on being selected for *The 2017 APR Plastics Recycling Showcase!* Your commitment to plastics recycling is greatly appreciated!**