FIMIC SRL is an Italian based company that has worked in the recycling field since the early 70s. The company produces automatic self-cleaning melt filters particularly suitable for heavily contaminated molten plastics. Each single machine component is 100% manufactured in Italy. This allows the design and production of fully customized machines.

Product Description

**RAS continuous melt filter** is the best known FIMIC filter in plastic recycling. With its unique scraping system acting on either a punched or laser-drilled filtering disc screen, it provides easy and cost-effective operation. Two blades made of flexible steel scrape the perforated screen and collect the contamination from the screen into the scraper’s chambers. The filtration level is chosen by the customer. The discharge valve allows regulating the opening parameters based on contamination and residual moisture. The contamination is efficiently discharged and consequently, melt losses are reduced to a minimum. Initially created to serve mainly the injection moulding market, the filtration was limited to 300 micron / 50 mesh. Thanks to the laser technology, the FIMIC RAS Filter covered the blown film market, by using laser-drilled screens available from 80 micron/160 mesh to 250 micron/60 mesh. FIMIC guarantees the filtration of any contamination type, even the most aggressive, like metal pieces or sand.

**ERA continuous melt filter:** The evolution of RAS, will be installed for the first time in 2018. There is an increase of more heavily contaminated material on the market. Therefore, the need for finer filtration to achieve better output quality has grown. In order to protect a costly part like the laser screen, a “safety filter” is often needed. Instead of installing two separate filters, and a melt pump between them (or even two separate extruders), FIMIC created a double filtration chamber in only one filter body. The first chamber can be equipped with a less expensive punched screen to remove the coarser and often the most dangerous contamination, while the second chamber, placed just after the first one in the same filter structure, can be equipped with a laser screen for very fine filtration (80 micron/160 mesh to 250 micron/60 mesh).

Contact information:
Erica Canaia, Sales director sales@fimic.it | +39 340 5517248
Paola Crea, Area Sales Manager for US market export@fimic.it | 1-305-767-2952
Roland Zimmer, Sales Representative for US and Canada r.zimmer@zars-usa.com | 1-864-809-3535

**Congratulations on being selected for the 2018 APR Plastics Recycling Showcase! Your commitment to plastics recycling is greatly appreciated!**

Steve Alexander, APR Executive Director ____________________________

John Standish, APR Technical Director ______________________________