



## Stokes replaces equipment with self-cleaning Russell Eco Filter®

### Manufacturer uses the innovative Russell Eco Filter® as a solution for separating liquid paint

R.J. Stokes, Shetfield, paint manufacturers for over 100 years, have replaced a disc cleaning filter with a Russell Eco Filter® in their BS EN ISO 9001 certified solvent paint manufacturing plant.

R.J. Stokes manufactures specialized paints which must be filtered to a high quality using very fine screens. For many years, Russell high speed open top vibratory sieves have been successfully used. However, in order to meet today's health and safety legislation, R.J. Stokes introduced non Russell enclosed disc style filters. Unfortunately, due to problems with the quality of the filtration from these machines and the mechanical unreliability with the design, a different solution was needed.

Russell Finex Ltd, sieving and filtering specialists of Feltham, Middlesex, were able to offer that solution with the self-cleaning Russell Eco Filter®, which recently received a Highly Commended Award from the Filtration Society. The constant cleaning action of the SpiroKlene™ wipers on the stainless steel filter element means no more blockages and a constant flow of paint through the production process. The entire inner surface of the screen is continuously wiped by means of this unique spiral assembly. This positively drives oversize away from the filtration area, maintains consistent flow rates and keeps differential screen pressure low.

Easy to install and maintain, self-cleaning eco filters are also compact, fitting neatly into existing production lines, and are quiet in operation. Because the filter element lasts much longer than in conventional filters, parts are replaced less frequently, reducing downtime and producing further cost savings.

In common with other models in Russell's Eco range, the new Russell Eco Filter® models are easy to use and have been engineered to high standards using proven Russell technology to provide consistently high product quality and reduced maintenance costs. Models are available for all production capacities and applications 1", 2", 3" & 4" high temperature, high pressure models.



**Figure 1.** The Self-Cleaning Russell Eco Filter® installed at R.J. Stokes

-  **Efficient:** improves product quality by removing blockage with self-cleaning technology
-  **Consistent:** produces consistent flow rates
-  **Easy installation:** compact size allows for an easy fit into existing production lines
-  **Low maintenance:** long-lasting parts require much less replacing than conventional filters
-  **Cost effective:** reduces downtime during processing