



## HiFlux Filtration A/S



# Increased production with self-cleaning filters

Schuite & Schuite Druckfarben GmbH manufactures high-quality printing inks for web offset printing.

Uwe Horstmann from UNI-FÖRDER-TECHNIK (HiFlux business partner in Germany) contacted COO Mr. Thomas Fuß from Schuite & Schuite Druckfarben GmbH and wanted to inform about the possibilities with automatic self-cleaning filters for the ink production.

Filtration is extremely important during production and top of mind for S & S in their state of the art production facilities. They had been looking for new filtration solutions to replace the bagfilters, which often led to frequent blockages, required many man hours to replace filter bags and performing service for each batch.

S & S was interested to hear about the possibilities with the Auto-line self-cleaning filter. They wanted to optimise the production, reduce waste and minimise

the time spent when performing maintenance on the bagfilter installation.

### Test for rent solution

To get started Uwe H. suggested a "test for rent" solution, which was received with great interest by COO Mr. Thomas Fuß and the first test was performed the same month with the Auto-line XLR-E self-cleaning filter.

During the test it turned out that the XLR-E filter was too small for the application. The targeted flow rate of 9 m<sup>3</sup>/h was not achieved and the medium with 10,000 mPas was a real challenge.

A new test was arranged and this time with an XXLR-E filter with a higher capacity. The expectations were high and the filter was tested over a longer period with full capacity. The test result was flawlessly and showed, that the Auto-line XXLR-E filter could even handle 11 m<sup>3</sup>/h.

### About Schuite & Schuite

Schuite & Schuite Druckfarben GmbH is an independent and family owned company producing high-quality printing inks for web offset printing.

The production line for the production of web offset printing inks is the most modern of its kind in the world! As the only printing ink manufacturer, we do not manufacture our products in a conventional manner using dissolvers, three-roller mills or agitator ball mills, but in a highly innovative manner using specially designed extruders.



Auto-line XXLR-E

### About HiFlux Filtration A/S

HiFlux Filtration A/S is a Danish company, specializing for more than 60 years in liquid filtration solutions for industrial and hygienic industries and the energy sector.

Since the very beginning in 1959 the production has increased steadily, and today the company offers a wide range of standard and custom filtration solutions.

Through the years a great knowledge and experience about liquid filtration projects has been obtained. Today all our filter solutions are customized to our customers individual needs.

We operate in more than 19 European countries through our partner network and export our filter solutions all over the world.



### Reduced waste

S & S wanted to reduce the 2 tons of printing ink waste and disposal of filter bags pr. week to a minimum.

Not only are the costs high for "lost ink" due to the use of bagfilters, but it also leads to an enormous burden on the environment.

### Impressive results

The test result showed that the Auto-line XXL-E filter was able to reduce the waste quantity to approx. 60 kg/week, which is great for the environment.

It is a fact, that the Auto-line filter could not only remove the total costs for filter bags and the disposal of the bags, but also reduce the loss of ink (waste product), which could be sold for other use.

COO Mr. Thomas Fuß was very satisfied with the Auto-line self-cleaning filter and ordered 8 Auto-line XXL-E self-cleaning filter solutions for the production facilities.

### Information about the previous bagfilter installation

S & S previously required two backflush filters and 8 bag filters for each ink production machine.

- The filter bags were changed 2 times in some cases
- This resulted in a consumption up to 16 filter bags per batch
- The daily output per machine is 1-2 batches
- Up to 32 filter bags had to be replaced every day for each machine depending of ink type and shade

This resulted in an annual consumption of several thousand filter bags for the 8 ink production machines. These filter bags represented a high cost in purchase and the costs for disposal of them after use was also a significant post in the total costs.

### Advantages with the Auto-line self-cleaning filter:

- Increased production capacity - non stop production
- Reduced waste - Great for the environment
- Costs for filter bags is completely removed
- Better protection for operators
- Reduced loss of ink
- Eliminates down time
- Ensures the quality



Auto-line XXL-E self-cleaning filter - Drain



Auto-line XXL-E self-cleaning filter installed in the production and filtering ink.