

# HENNECKE PRESS RELEASE

## Process optimisation in a cooperation network

**State-of-the-art and efficient production is feasible even for absolute newcomers in the field of polyurethane processing, as is proven by the example of the Dutch company FILTRAIR. The manufacturer of high-tech air filters for industrial use benefits from PU know-how gained by joining together in a cooperation network.**

What happens when cooperation in special-purpose machine construction meets long-term experience can be evidenced in the production of industrial filters in Heerenveen, Netherlands. At FILTRAIR's corporate headquarters, the focus has been on polyurethane for quite some time. Better stability, weight reduction and corrosion resistance are the key features qualifying polyurethane as the ideal material for the complex filter cartridge frames. Even at the end of a filter's life cycle, the PU components convince through better disposal options. In the past, the good overall experience was only clouded by quality problems in the manufacturing process and a high reject rate. The target to be met was a significant quality rise and an increase of cycle times to two minutes per cycle on average or six minutes per part.

In cooperation with AutoRIM, a manufacturer of top-quality hydraulic presses and BaySystemsBÜFA, a company developing, producing and marketing system raw materials, Hennecke has generated a sophisticated overall solution that fulfills all the criteria required. Central to the new plant is a HK 135-type high-pressure metering machine equipped with a state-of-the-art MX mixhead. To meet the necessary cycle times, the design was selected to consist of a total of three presses that are arranged around the metering machine in a semicircle. The mixhead connects to the individual cavity by means of a pivoting boom.

What is it that makes the polyurethane specialists' „TriplePlay“ so successful? All three companies have a long track record in polyurethane processing and perfectly complement each other when it comes to putting customised solutions into practice. The plant in FILTRAIR's factory also benefits from the combined PU know-how. A modified outlet pipe, for instance, ensures an extremely clean injection into the cavity, and carefully matched raw materials "hit the mark" with regard to the properties of the future component. The engineers, however, take particular pride in a system that has been developed in close cooperation with the local mould maker. Here, the filter insert is fixed already at the stage of closing the mould halves, thus integrating it seamlessly into the PU frame. Following the motto „Better is the enemy of good“, further process optimisation is considered already at this point - in a cooperation network, of course.



TopLine HK 135 with MX mixhead and three presses

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