



Hellmer Die Casting cleans the Air with filter units from Absolent

Hellmer Group in Småland , Sweden is an expanding group that works as supplier towards the Telecom business and medicine technology business. Hellmer manufactures complete parts/units to high technology–Companies with high demands on flexibility and precision.

The demand before starting up the new Die casting department was to be way ahead on the environmental side. Their problem was how to capture and filtrate the smoke that arises when greasing the piston with graphite oil as well as capture and filtrate the Wax smoke that arises when adding the release media. The difficulty was to find an energy saving solution with low maintenance cost, high separation degree and still capture the smoke efficiently.

Absolent had the solution to their problem – The Oil smoke filter ODR 3000 with an airflow of 2350cfm. Absolent could guarantee Hellmer Die Casting a high separation degree and long service intervals. In order to capture the smoke efficiently, special designed hoods were used over each die casting machine.

Inside the filter unit the filtration is done in three steps. The first and second filter stage is the Absolent self-draining filters, for which the filter media is adapted and mixed specifically for the application. The third step is an HEPA-filter, which has a guaranteed separation degree of 99.9% at particle size 0,3 microns. Due to the unique build up of the filters the Absolent ODR filter can run continuously without any unnecessary stops for drainage. The return oil is collected at the bottom plenum of the unit and is pump out or gravity drained for either recycling or waist.

After more than half year since the start up, we are very pleased with the Absolent filter units, says Joachim Svensson, Production Manager at Hellmer Die Casting Group. Looking around the production facilities the walls and ceiling are still shiny and bright. We keep a very high standard regarding the environment. Today this is very important when demands not only from different institutions, but also from well educated production personnel gets higher and higher, says a very pleased Joakim Svensson.

