

# case STUDY

## Huijbregts Group – Spice mixing in ISO 6 classified production cells

### Huijbregts Group

The Huijbregts Group provides powder ingredients stock management for leading food industries around Europe. The Huijbregts Group executes its processes according to the highest quality standards and strictest food safety legislation.

The Huijbregts group was looking for a reliable, sustainable, easy maintenance and low "life cycle cost" dust collection system for their newly built production site in Helmond NL.

Kuijpers Installaties BV were tasked with finding the right supplier for the dust collection equipment and the HVAC setup to achieve the ISO 6 environmental demands for allergen free production in the production cells.

A dust sample was analysed at the Camfil APC test facility in Jonesboro (AR, USA), who advised on the most suitable media type and air to cloth ratio.

After careful evaluation of a number of suppliers, Kuijpers decided that the Camfill APC Gold Series dust collector offered the best solution, meeting in full the requirements of the project managers at The Huijbregts Group. Showing the demo unit on site gave the project managers even more confidence in the unique features of the Gold Series

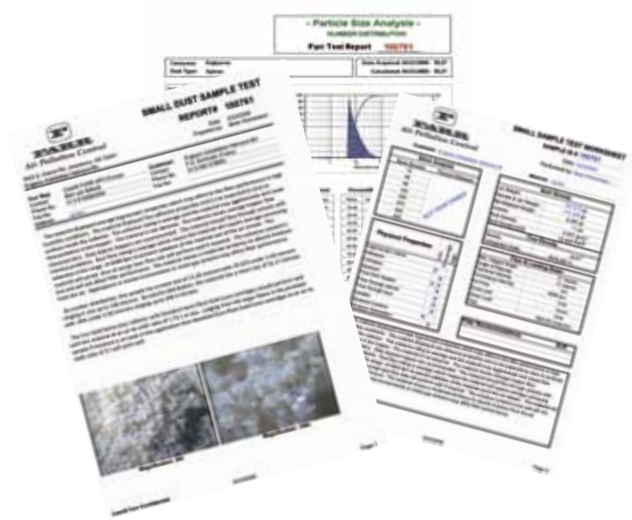


### Product Information

Product:	Gold Series® dust collector
Size:	18 GS04
Air Volume:	1.500 - 4.000 m <sup>3</sup> /h
Application:	Spice Mixing
Customer:	Huijbregts Group / L&F Machinebouw BV, Helmond, The Netherlands
Installation date:	December 2009



To avoid complicated duct work and to achieve the best flexibility and reliability, Huijbregts decided to install 18 separate dust collection units. 14 of these are installed on individual production cells, with the remaining 4 units being used for material and bulk handling on the top floor of the factory.



The exhaust volume from each production cell varies between 1,500m<sup>3</sup>/hr and 4,000m<sup>3</sup>/hr and is controlled by a variable frequency drive and pressure sensors in the ducting on each system. The Gold Series dust collectors are supplied complete with Durapleat Gold Cone cartridges, top-mounted fan sets, silencers and secondary security filters.



The dust collectors are reinforced to withstand a pressure of 0.45 bar, so that if required they can be retro-fitted with a flame quench device, for safe indoor explosion venting.



The Durapleat cartridges fitted to the units are a washable, heavy-duty spun-bond polyester, providing high efficiency filtration, with a low pressure loss and excellent cleaning characteristics for a long life.



### Quotes

Our contactperson at Huijbregts Group said:

"We chose dust collectors from Camfil APC because Camfil APC is recognized as a quality dust collector manufacturer and their standard dust collectors has all the elements we need. All the other dust collectors needed expensive modifications before meeting our requests."