

Case Story

Problem:

Food Limited mixes and blends ingredients for a variety of convenience foods. During the mixing process flour and spices are introduced into the mixing machine by hand. This procedure causes a fine dust cloud in the vicinity of the mixer top and without suitable extraction the dust migrates and settles on other machinery in the area and remains in the breathing zone of the operators. Aware of hazards to health and the need to maintain the highest standards of hygiene in a food process environment, this company sought the advice of Nederman.

Solution:

In order to provide maximum extraction rates to control the dust together with high filtration efficiency, Nederman proposed a Filterbox unit with pulse air clean driven by a N29 fan for maximum performance. The dust is collected via a 18 ft. long self supporting arm which can be positioned in the optimum area for good extraction and yet allow the operator full access during the mixing process. High filtration efficiency of the Filterbox, together with the pulse air cleaning system, help the company maintain the high standards of hygiene that are required. The units are cart mounted and can be moved to other process applications within the factory.

Result:

After the initial demonstration a unit was purchased and such was the company's delight that a further two units now cover similar processes within the factory. Mr. Martin Sutton, the company's operations director said "The Nederman Filter Box units have considerably improved our working environment. Operators no longer have to wear face masks and dust build up on machinery and adjacent areas has ceased".

