

CASE STUDY

Product: Gold Series Dust Collector
Size: GS16
Application: Dry mix ingredients, flour, sugar and baking dust
Customer: A food processor in Mississauga, ON, Canada
Representative: Pollution Control Installations, Inc.



Gold Series® Collecting Food Dust is Food for Thought



Gold Series model GS16 outside of pastry producer collecting a variety of food dust.

Challenge

A high quality, Canada-based wholesale manufacturer of French-Oriental style cake and pastry desserts that are shipped all across North America to restaurants and stores was in need of a dust collector. This dust collector needed to collect flour, sugar, baking and dry mix dust from ingredients being dropped in mixers, augers and bin dumpers.

The airborne dust that is created is light, fine and has explosive properties. Some of the other problems with the dust other than it having explosive properties are the employee's health and safety, product cross contamination, equipment problems and failures. The dust collector that was being used was undersized, filter life was very short, unit was cheaply manufactured and performed poorly.

Solution

Camfil APC rep, Dave Fagin of Pollution Control Installations, Inc. developed a plan utilizing different source capture equipment like food grade extraction arms combined with the GS16 collector that was installed July, 2006. Modifications were made to the processing equipment and practices to help reduce and eliminate major dust. The GS16 created a safe, efficient and clean work environment as well as eliminating the cross contamination problem. The GS16 also helped them obtain certification and that made their end users very happy.

One of the biggest accomplishments is the owner said that "The employees are very happy and don't have to wear dust masks any longer! Our waste is down substantially as well." The successful installation of the GS16 was able to be done while working around the infrastructure and without disrupting production and the workflow food environment. The GS16 is operating 7 days a week with two shifts efficiently at 8750 CFM @ 11" SP, and the filters haven't needed to be replaced! That leaves a sweet taste in the customers mouth. 🍪



Food grade extraction arms being used with the GS16.



Mixer dust collection hood.

“ The employees are **very happy** and **don't have to wear dust masks any longer!**

Our waste is down substantially as well. ”

— Owner of pastry company

For further information regarding this application, contact APC rep Dave Fagin of Pollution Control Installations, Inc. at 905-615-9224.