

Soup Maker Uses Noodle to Add Gold Series to Mix

Product: Gold Series
Size: GS4
Application: Powdered Food Ingredients
Customer: Maruchan, Inc. - Irvine, CA
Representative: Dust Collector Services, Inc.



Another "Hands On" GS
Demo Success Story!

Challenge

Maruchan, Inc. is a food manufacturer of instant wonton and Ramen noodle soups. At their facility in Irvine, CA, the existing dust collector which was intended to capture fugitive dust from food powder mixing was plugging up. Moisture from periodic washing of the equipment was a factor, but the collection system was just not drawing satisfactory airflow for proper pickup at the collection points.

Solution

Farr APC rep Jeff Schlentz of Dust Collector Services visited the food facility with his Gold Series demo trailer in tow. Jeff found that the mixing operation included several different powdered ingredients for the beef, chicken and shrimp flavored mixes. The two-stage process was on two floors. Upstairs, mixing hoppers churned up and mixed the ingredients. Downstairs, the mixed powder was manually dumped into storage/transport drums.

Jeff provided an on-site, hands-on demo of the Gold Series on his trailer to Maruchan. For their application, he proposed a stainless steel GS4 system with Durapleat™ filter cartridges. The stainless steel construction would resist water corrosion during process equipment wash-out when ingredients are changed. Maruchan routinely washed down the entire process system between runs of different ingredi-



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ents to avoid cross-contamination. The Durapleat Hydro-Oleophobic DPO-200 cartridges are also washable. The DPO filter media is impregnated with an oil and water repelling material, which would reduce the possibility of plugging and an unproductive shut down of the process. The new ductwork would include 6 slotted backdraft hoods as pickup points for the fugitive dust upstairs (see right). Downstairs, where the manual dumping took place, Jeff's company would provide two innovatively designed "horseshoe" hoods to fit the storage drums (see below). These hoods would efficiently collect the fugitive dust.

Maruchan considered a competitive dust collection system before accepting Jeff's proposal and choosing on the Gold Series. The unit was installed in March 2006 and has been running great for over a year, as of this writing. The stainless steel 7.5 HP blower and silencer keep noise levels down and maintain a comfortable working environment. Maruchan is pleased with the Gold Series' performance and the service provided by Dust Collector Services.



Three dumping stations where the powdered soup ingredients are mixed.

For more information on this application, contact Jeff Schlentz of Dust Collector Services, Inc. at 800-282-3878.



Horseshoe Hoods for capturing fugitive dust when powdered ingredients are dumped into drums.



Slotted backdraft hood behind grated inlet of dumping station. All hoods are made of food grade 304 SS.