

CASE STUDY

Fiberglass dust



GOLD SERIES® ON HIGH FOR CAPTURING “FUZZ ‘N’ FLY”

COMPANY PROFILE

Premix in North Kingsville, Ohio, has over 50 years of experience and is the largest North American developer, formulator and manufacturer of thermoset compounds, also manufacturing thermoset molded parts. They serve a broad range of industries including electrical, appliance/HVAC, construction, industrial equipment, transportation, automotive, heavy truck, aerospace,

and military with the widest range of commercial composite materials available including Sheet Molding Compounds (SMC), Bulk Molding Compounds (BMC), Thick Molding Compounds (TMC) and Engineered Structural Composites (ESC).

CHALLENGE

They had brand new equipment running on the Thick Molding Compounds (TMC) and the Sheet Molding

Compounds (SMC) machines. Premix needed a dust collector to collect the dust generated by the chopping of the continuous strand fiberglass rovings coming from the TMC and SMC machines. Rovings are multistranded string/rope like entities chopped and used to provide the reinforcement for Sheet Molding Compound (SMC) and Thick Molding Compound (TMC).



Completed GS6 unit pictured after 1 year of operation running at less than 1" of static pressure across the filters.

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SOLUTION

Premix got a recommendation by an oxidizer company to look at Camfil Farr APC for their dust collection needs. After looking over Camfil Farr APC's website and contacting them, sales representative Leonard "JR" Iacco, Jr. of Rolin & Associates received the recommendation to visit Premix in North Kingsville, Ohio. JR visited Premix with the Gold Series demo trailer to display the high quality craftsmanship, easy change out filters and the ease of use.

Premix decided to go with a model GS6 that collects the fiberglass dust, or as Premix likes to call it, "fuzz and fly" from two SMC machines and one TMC machine at the same time. The GS6 is running at 4,000 CFM @ 14" SP with a 2.96:1 air to cloth ratio using spunbond DuraPleat® filters.

With the low pressure drop from the cartridges and a frequency drive, the customer is saving the most energy possible. Premix's Corporate Environmental Manager, Walt McSherry, told JR at Rolin & Associates,

"I have owned every dust collector out there, nothing has ever compared to a Camfil Farr APC dust collector!"

JR says, "Premix has been very happy with the performance of their GS6 that is collecting the fiberglass dust." The GS6 was installed in June 2009 and has been running in full operation since August 2009. JR says, "It was easy for Premix to make the decision after a hands-on demonstration of the Gold Series trailer. Once the unit was installed, they had forgotten it—it took care of itself."



Gold Series model GS6 being used as an in-line pre-filter for a thermal oxidizer.



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For further information regarding this application, contact APC rep Leonard "JR" Iacco, Jr. of Rolin & Associates at 1-440-439-3322

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Camfil Farr APC • 3505 Airport Road
Jonesboro, AR 72401 • 1-870-933-8048
Email: filterman@farrapc.com

www.camfilfarrapc.com