



Gold Series Shines in Furniture Maker's Finish

PRODUCT

Product	Gold Series (GS)
Size	GS48 Designed for 22,210 CFM
Application	Wood Finish Sanding
Customer	New England Wood Craft - Forest Dale, VT

CHALLENGE

New England Woodcraft has been in the custom contract furniture manufacturing business since 1963 and has furnished a number of universities, colleges and military bases all over the world. In 2001, they added new sander/sealer equipment to their operation and needed a dust collection system to capture the sealer finish fines.

SOLUTION

A Camfil sales representative visited the operation and analyzed the application surrounding two sanding machines. Some wood dust would have to be captured, but most of the dust to be collected would be extreme fines from the finish sanding of the dry sealer compound. The Camfil rep wisely collected and sent a dust sample to the Camfil laboratory for analysis. Based on lab results and recommendations, a GS48 was selected for a calculated air volume of 22,210 CFM at a 2.3:1 air-to-cloth ratio. Spun-bond Dura-Pleat DPS200 filter cartridges would handle any potentially sticky dust should sealer mix variations occur. Essentially treated as plastic dust, the explosion venting option was chosen for safety on this application, which could be prone to building a static charge. The Camfil rep submitted the bid, selling the unique features and benefits of the Gold Series. Camfil was awarded the project and the system went online in November 2001. New England Woodcraft is very pleased with the performance of their GS unit, especially with the fact that the original filters have not needed replacing for three years now.

As an interesting side note, the final installation included a quick-acting abort damper, which was wired to a spark detector and suppression system. The abort damper would instantly stop the recirculated air from reentering the building should a fire or explosion occur in the system.

Finally, submitting a dust sample to the Camfil lab is a good idea for questionable applications or dusts with unusual properties. Camfil will provide a free analysis and report using state-of-the-art equipment. Just be sure that the submitted dust sample is representative of what the dust collector is challenged with.



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