

Body Parts Processed with Clear Lungs in FARR Booths

Application: Sanding/Grinding of Automotive Body Parts
Product: Gold Series Booths
Sizes: (8) GSB8-8 Double-sided Modules,
 (2) GSB8-4 Single-sided Modules for a Total
 System Design of 108,000 CFM
Customer: Ogihara American Corporation - Birmingham, AL
Representative: Southern Environmental Air, Inc.



Another "Hands On" GS
Demo Success Story!

Challenge

Ogihara American Corporation is a manufacturer/supplier of automotive body parts for Mercedes-Benz. The sanding and grinding operations in this plant caused a dust cloud that drifted across the whole plant, settled on the floor (and everything else) and was swept up daily. Without a dedicated dust collection system in place, workers wore respirators for safety. However, when the air conditioning filters began to require change-out during sanding operations, the maintenance crew knew that something had to be done. Further compounding the problem was the limitation on space which the 10 workstations already occupied.

Solution

Farr sales rep Ronnie Whitworth of Southern Environmental Air was called in and asked for his recommendation on the problem. Considering the amount of dust generated, the necessary volume of air required to capture it as well as the physical space constraints, Ronnie proposed a specialized installation of multiple Farr Gold Series Booths (GSB's) with HemiPleat™ filters. The GSB's would enclose and isolate each of the 10 workstations and occupy a minimum of valuable floor space.



More specifically, eight filter modules, some customized roof panels and modular accessories would make up the four separate GSB's. Two would install side by side against the back wall of the work area. Between them, four more GSB's would be configured "double-sided," drawing air from both sides and further reducing the amount of used floor space.

With his Gold Series demo trailer in tow, Ronnie returned to the plant,

Farr APC Case Study (con't)



demonstrating the features and benefits of the filter module right at the customer's site. Everyone concerned with the problem from management to the maintenance crew saw the Gold Series' modular design, felt the solid construction and witnessed the powerful self-cleaning filter system. They had considered competitive products, but later admitted that it was their "hands on" experience with the Gold Series that assured them that they made the right choice.

The installation was completed with each booth side designed for 10,800 CFM at 103 FPM face velocity. Farr also supplied 4" S.P. fans and silencers for an even more comfortable work environment. To optimize the setup, Ron Holland of Southern Environmental Air designed a duct system attached to the blower discharges to create a "return air" configuration, which Farr offers as a standard GSB option with their internally mounted plug fans. Now, after months of extensive use of their GSB's, Oghihara is very satisfied with the performance of their Farr booths and are considering more booths as their production increases.

For further information regarding this application, contact Ronnie Whitworth of Southern Environmental Air, Inc. at 205-995-8870.

