



FARR APC
Air Pollution Control

Case Study

Auto Maker Revs Up Production with Gold Series

Product: Six(6) Gold Series Collectors
Size: GS72, GS60, GS48, GS36 & (2)GS32's
Application: Auto Welding Smoke
Customer: Nissan North America, Inc. - Smyrna, TN
Representative: Airsystem Sales, Inc.

Challenge

Nissan was setting up in a new manufacturing facility that included a line of robotic welders. This would be a tough application with close capture of heavy smoke concentrations. Several dust collectors for multiple locations would need to be properly sized and installed --- and Torit was flat specified as the supplier.

Solution

Bob Hash of Airsystem Sales was contacted by an industrial engineering house that does design work for Nissan on the ventilation side. Bob approached Nissan for an opportunity to bid. He learned that Torit was pushing their new *Oval* cartridge with applied air-to-cloth ratios between 3 and 3.5:1. Bob knew that the Ovals didn't work very well and made a strong case against them. Convinced, Nissan made everyone bid at 2:1 or less. Despite not being low-bidder, Bob secured the order for six collectors. Nissan wanted the Gold Series.



Six GS units handling a total of 215,000 CFM were installed. Air-to-cloths ratios vary from 1.7 to 1.9:1 using PTF flame resistant cartridges. All fans are sized for 12" to 14" w.g. Delivery of the custom, "Oyster White" painted collectors and accessories was made in February 2004 and all systems are "go!"

For further information regarding this application, contact Bob Hash of Airsystem Sales, Inc. at 615-373-0039.