

# Clean Air Solution Report

## Clean Air Booth



**Application:**  
**Large Weld Cell Smoke Collection**  
**2 Shifts**  
**Location:**  
**Midwest Hitch Manufacturer**  
**Indiana**



BEFORE



AFTER



A Midwestern Hitch Manufacturer had bought a Laser Table and an OEM Dust Collector. The Dust Collector provided by the Table Mfr clogged the filters within the first week of operation. Frantic, the facilities Health & Safety Manager called on Micro Air's distributor, Slade Associates for help in determining what was wrong. It was determined that the OEM D/C was extremely undersized at an air-to-cloth ratio of approximately 4:1.

Slade quickly quoted a proper sized RP8-3 and Micro Air was able to deliver a unit in about 7 working days. The unit was installed and the problem was solved.

The Health & Safety Manager was so impressed by the solution offered by Slade Associates and Micro Air, that he called on them to design and have installed a 60,000 CFM Dust Collection System that actually was made up of 3 individual RP8-5's with remote mounted 50 HP motor/blowers.

After everything was installed, including all capture hoods and ductwork, the system worked very well. The welders were amazed at the system's ability to capture the smoke and remove it. One "old timer" commented that for the first time in years, he wasn't blowing black out of his nose when he got home.

Micro Air  
PO Box 1138  
Wichita, KS 67201

[WWW.MICROAIRONLINE.COM](http://WWW.MICROAIRONLINE.COM)

Phone: 866-566-4276

Fax: 316-219-2995

Email: [jimo@microaironline.com](mailto:jimo@microaironline.com)