

# Clean Air Solution Report-Welding School



## Application:

Welding School

## Location:

Fort Dix Army Base

Ft. Dix, NJ



The Army base at Fort Dix, New Jersey was looking for fume/smoke collection equipment for their new welding school on the base and contacted Spartan Air Purification, the local Micro Air distributor. The Army Major in charge of the project had some pretty tough criteria that the chosen supplier had to meet including design, fabrication and complete installation of 12 welding stations prior to a 3-Star General's visit in exactly 4 weeks.

Micro Air and Spartan Air Purification proposed utilizing a combination downdraft table and source capture arm approach due to the large variety in component sizes the trainees would be welding on. This system also would provide the general with a complete "workstation with no need for external dividing walls. Micro Air agreed to ship all the components in time for installation by Spartan's mechanical contracting division.

The decision to go with Micro Air and Spartan boiled down to the ability to provide components all manufactured by the same company to minimize the risk that one source might not perform to the stringent time constraints, as well as the ability to complete the installation in the timeframe allowed.

In all, the Army purchased 2 ea. RP6-2(12 Cartridge) Dust Collection Units, 12 ea. DDT7230 downdraft tables, 12 ea. 8' Source Capture Arms and two portable TM1000 dust collectors. The visiting 3-Star General was impressed with the system calling it the "most advanced" that he had seen on a military base.

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