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## "Smokeless Gun" Capture & Filtration of Welding Fume

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case study



### APPLICATION:

At a structural steel fab shop with 4 MIG welders were working on structural steel products. They needed a system that would not slow the welding process yet be able to cover a 40 linear foot work zone per welder. In addition, the 16,000 square foot shop was equipped with a frequently moving overhead crane which caused problems for a solution based upon self-supporting extractor arms.

### SOLUTION:

A "Smokeless Gun" system was presented as the most effective solution for this application. The direct vacuum connection to the MIG gun provided excellent capture of the fumes and the welders were able to carry on their work un-encumbered by large hoses or overhead devices. The customer purchased 1 system for trial and subsequently purchased 1 more unit after the system was extensively "Shop" tested.

### PRODUCT DESCRIPTION:

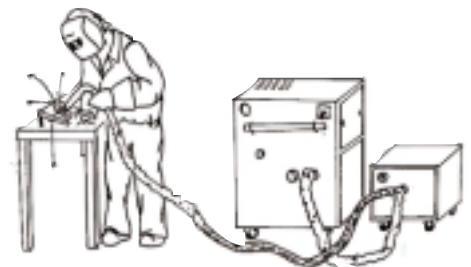
- 2 x V2 High Vacuum dust collectors (1 mobile, 1 fixed)
- 2 x Hopper
- 2 x Magnahelic Gauge
- 2 x MIG gun attachment for source capture of the welding fumes
- 40' flexible and flame retardant hose
- 4 x "Clean 2" re-useable filter cartridges
- 2 x Vibra-Pulse Filter cleaning systems

### INDUSTRY:

Structural Steel Fabricator

### TESTIMONIAL:

"We selected LEV-CO's Hi-Vac solution over roof top fans so we could protect our workers with source capture and our energy bill against heat lost. We started with one system (V2) and 3 months later bought another because it was so effective."



"SMOKELESS GUN" CAPTURE & FILTRATION OF WELDING FUMES