

# Clean Air Solution Report-Robotic Welding



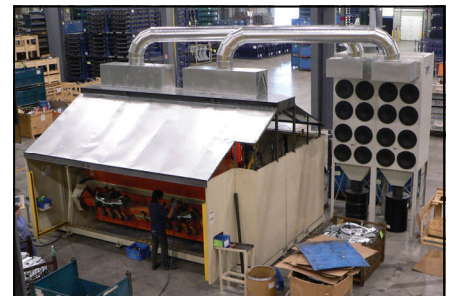
## **Application: Robotic Welding And Material Conveying Lines**

A large Tier I automotive supplier approached the local Micro Air distributor, Slade Associates, about a very large dust and fume control project at one of their stamping facilities in Ohio. The customer had 120 Robotic Welders and additional material conveying lines, producing finished goods from oily, stamped parts that originally had been specified for a competing brand of a very large “central system” type of cartridge dust collector. Due to past successes with Micro Air’s Roto-Pulse filter cleaning system, in different applications within the same company, where several other brands had failed, the customer wanted to use Micro Air’s line of RP Series dust collectors on this project as well. Because welding was

## **Location: Ohio**

done in various “cells” or segregated workspaces, Slade Associates proposed eliminating the larger dust collector and putting in 22 smaller RP8-2(16 cartridge) dust collectors inside the facility directly above or near the manufacturing processes. This eliminated the need for costly ductwork, added more flexibility for future changes in plant layout, and allowed for easier maintenance and filter change-outs. Each RP8-2 cleaned the smoke and dust from 4 Robotic Welders and multiple material transfer lines and incorporated two of Micro Air’s SA4000 spark arrestors.

The decision to buy Micro Air equipment was based largely on the filter cleaning capabilities of the Roto-Pulse system, a track record of “delivering what was promised”, custom designed products to meet the customer’s specific needs, less maintenance, increased production capabilities, and the overall value of the proposed systems according to the HES (Health, Environmental, and Safety) Manager.



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