



MICRO AIR Exhauster Arms and Self-Contained Downdraft Tables at Southeast Kansas Community College

CLEAN AIR SOLUTION REPORT

Application: Weld Smoke & Fumes in School Weld Shop

Location: Welding School at Southeast Kansas Community College

Products: Micro Air (10) ea. SCA607 source capture arms with exhausters and (5) ea. XA23 Downdraft Tables—(3) with 4" x 5' arms and (2) without arms



Challenge: Neosho County Community College reached out to Micro Air about needing fume extraction for a new joint welding program they started with La Harpe Public Schools. They reached out to Micro Air knowing that Micro Air had helped other schools in the area and were impressed with the feed back they received from the other schools.

Solution: After working with the instructor on the layout of the class and number of expected students it was decided that the XA23 self contained downdraft table would be the best solution for them. The XA23 comes with multiple configuration options that also include a 4"x5' source capture arm. This option is especially popular with weld schools. The original plan of all downdraft tables had to be changed due to some other weld equipment going over budget. Early on it was decided that they wanted all the students

have some type of extraction in their work area. In order to make this possible the layout was changed to a combination of source capture arms exhausted outdoors and the XA23 Downdraft Tables.



Micro Air Advantage: Once the budget was all sorted out it was agreed that they would utilize ten, 6"x7' source capture arms mounted directly to an exterior wall and exhausted outdoors and then a total of 5 XA23 Downdraft Tables. The tables would have 2 configurations, three of them were equipped with side, back and top shields and the 4'x5' arm and two had

no shields or arms. There was one last challenge the school had for Micro Air and that was they needed the equipment to be installed by the start of the school year. The order was received in mid-June and was shipped complete before the end of July meeting their request to have everything installed by the start of the school year.

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