

CASE STUDY

PROBLEM

The application took place at a Fiber Optics Cable Manufacturer. The employees were using an epoxy to connect different lengths of fiber cable. Workers were complaining about the strong odors created by the process. Another main concern was that the position of the fume arms proposed could not remain in a fixed position to work efficiently because the point at where the fumes would be generated would switch everyday.

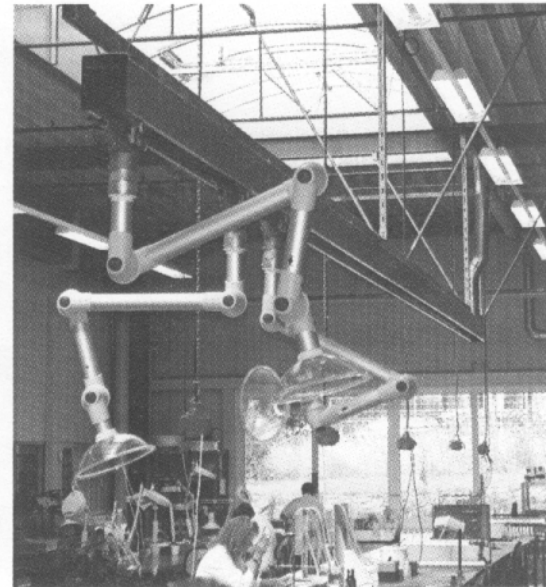


Lengths of the cables being made would differ every day so a flexible fume extraction system needed to be devised.

SOLUTION

Nine FX Arm 3" x 4' Wall/ Ceiling Mount Fume Extraction Arms were used in conjunction with FX 3" Clear Dome Hoods. Flexibility was achieved by using a "Fume Rail". Three FX Arms were connected by one rail, which maintained a constant vacuum. Each Arm could slide independently along the length of the fume rail allowing the operators to determine where fume extraction was need and at what time. The fumes and odors were captured by the FX Arms, and conveyed out of the facility via the "Fume Rail".

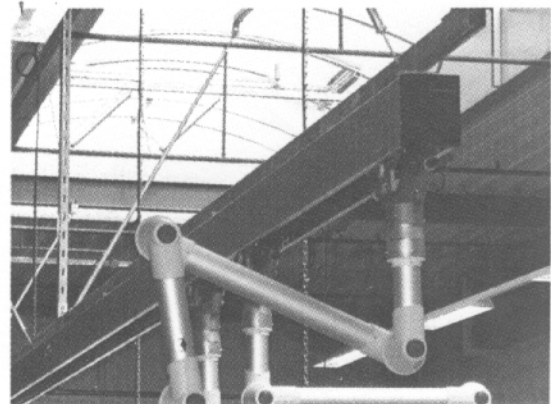
A custom fitting was used to connect the "Fume Rail" to the FX Arms.



Three FX Arms per rail were used. The operators could slide the FX Arms up and down the length of the rail.

RESULT

The customer was very pleased with the flexibility of the system as well as the function of the extraction arms themselves. They have added another rail system to their facility since this installation.



All FX Arms still maintained the full 360 degree swivel, and all of their original articulation possibilities.