

High Vacuum systems CASE STORIES

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*On better economy and working environment
using high vacuum extraction*

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Background and diagnosis:

The customer has an application where he is welding pipes. This process generates a hazardous smoke that has to be extracted and filtrated. Trying to capture the smoke with a hood will only mean that thermal rising fumes will be captured. This also means that there will be a layer of dust on the surrounding electrical equipment, which in turn will cause disturbance on the robot system.

The task from the customer was to take away close to 100% of the welding smoke as close to the welding point as possible. The solution had to be fully automatic, meaning both the filter cleaning as well as the start stop has to be automatic.

starts automatically when the welding process starts and also goes to stand by mode when not needed. The filters are automatically cleaned by use of the under pressure in the system. Due to this filter cleaning method only 3 litres of compressed air is needed per day. The filter lifetime is over 6000 hours for this customer.



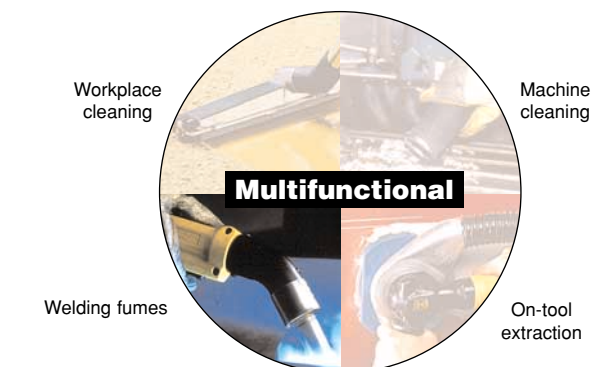
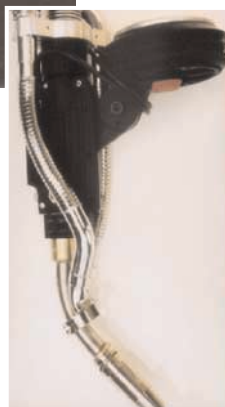
Results and comments:

The task from the customer has been fully completed. Now there is almost no welding smoke at all in the workshop. The dust problem is gone as well.

Would you like to know even more? Would you like to know about the technical solution in more detail? Please contact us and we'll tell you more!

Prescription and treatment:

The two torches were equipped with attachment kits. The smoke was then captured directly at source and transported through small hoses connected via automatic valves to a pipe system. The unit used in the application is an E-PAK 300 that



This document is one in a series of case stories about high vacuum extraction. Would you like to read further examples of how we have been able to assist our customers? Please ask for a free subscription by contacting us at:

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