

High Vacuum systems CASE STORIES

11

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

Litostroj E.I. (Ljubljana, Slovenia)

Background and diagnosis: Litostroj E.I. is a manufacturer of hydro power plants equipment, which means that the products (housings, turbines etc.) are very big and heavy, up to 20.000 kg. Since they do not produce standard products, the extraction system must be flexible in order to be able to move the nozzles around. The production area, about 30.000 m², has 20 - 60 welders working and they are welding inside, outside and on top of the product. The pollution of the air is very heavy from the welding smoke.

Prescription and treatment: Working together with Mr. Dusan Smid, responsible for the production in Litostroj E.I. we found out that the only solution to solve the problems on most of the working places was with a High Vacuum System. Together we decided that we will start step by step and build up the system for 1/3 of the production in year 2000.

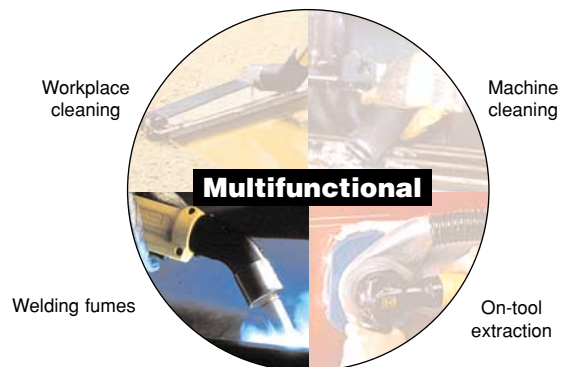
The system is as follows: VAC 20-3000 unit with one Flex Filter Twin, central duct system hanging on pillars with 7 droppers and 3 way branch couplers on every dropper. Welders are using up to 20 m long ID-51 hoses with different nozzles with magnetic and suction bases. The ID hose is because of the heat generated from the products they are welding.



Results and comments: The system was tested at full load with 21 welders working at the same time and the extraction was very good.

Now, in practise, the system is operating with a simultaneous factor of 0,7 and the results are even better. Litostroj E.I. is also using the system for the cleaning of the workshop which is one advantage more.

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!



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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