

# High Vacuum systems CASE STORIES

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

## Schott Glaswerke AG (Mainz, Germany)

### Background and diagnosis:

At the production of television tubes at Schott Glaswerke AG there are from time to time problems with the production. This causes big waste quantities of glass. Earlier the customer used shovels and brooms, which was ineffective and time consuming. The wish from the customer was to have a fully automatic system that could extract pieces of glass in sizes of 3 cm at 4 simultaneous extraction points. The customer also wanted to collect the material in a closed pre-separator.



### Results and comments:

The new fully automated system has proved to be much more efficient than old methods. Also the power logic function helps to keep energy consumption down compared to other high vacuum solutions.

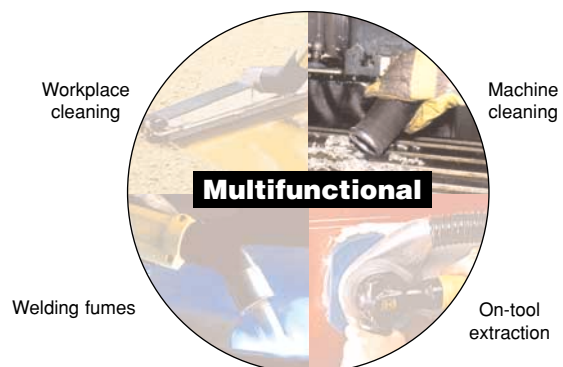


### Would you like to know even more?

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

### Prescription and treatment:

All the extraction points are equipped with spear nozzles with a 10-meter long heavy-duty hose. The hose is connected via an automatic valve to a steel pipe system. As soon as the cleaning set is lifted from a suspension fork, the valve opens automatically. The bends in the pipe system are made with a special reinforcement to ensure long lifetime of the bends. The waste glass is then collected into a pre-separator that has a volume of 1500 litres. The chosen vacuum unit is an E-PAK 1000 AS with power logic control equipment that regulates the motor speed to ensure that the system always has the right vacuum. The power logic also saves a lot of energy, which the customer benefits from.



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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