



INDUSTRIAL VACUUM SYSTEMS

GlassVac - Info



**Production Areas as clean
as glass**

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Information about applications of industrial vacuum cleaning systems in the glass industry

The glass industry is usually divided into production of hollow glass (for example: bottles and jars), flat glass and special glass production. Silica sand, sodium carbonate, potassium, lime, dolomite, waste glass or cullet from the production break (this mixture is called Batch). For the production of about 90% of the amount of glass produced following raw materials are used: Waste glass from the glass recycling, however, is used only in the container glass industry, where its market share may be more than 90%. Besides saved raw material itself the lower power consumption becomes noticeable, because cullet melts easier than sodium carbonate. The raw materials are fed into the furnace in the „batch house“ (building with mixers) with a charging machine.

The main reason for the cleaning in the glass industry is the exposure of employees to respirable crystalline silica, selenium powder, Zinc selenide, sodium, soda and potash (HEPA filter!). Helpful for sales talks is the reference reference to the regulations of the employer's liability insurance association "Glass / Ceramics". Instead of using appropriate vacuum cleaners or wet cleaners, unfortunately, the **forbidden** dry sweep with the broom is encountered again and again.

Another very important application in the glass industry is to extract spillages from MonoButylTinTrichloride (MBTC) (e.g. Imacoat HE-100 or Certincoat® TC100). This is used as a hot-end coating material for the coating of glass containers and table ware. Spills can be absorbed by using sand or other absorbing materials and extracted with a portable vacuum unit which has to be equipped with a H-filter. Recommendable is a vacuum cleaner with MultiPac system with the possibility to extract the suction material without contamination.



Applications:

Storage bunkers
Pit cleaning
Top of the glass furnace
Mixing lab
Cullet stock

Equipment:

Basically all our portable industrial vacuum cleaners can be used. Where necessary small stationary or semi-stationary vacuum systems, e.g. the model S-3 or S-2100 are also applicable, possibly combined with an intercept hopper or filter hopper.