

# Air conditionings + ventilation systems

clean-up  
spore,-  
dust-  
& poison-free

**Mechanically, consequently, on location and without disassembly of the installations.**

**Multi-functional robots clean installations of different dimensions spore-, dust-, and poison-free with special brushes. The spores and particles activated during this process are removed from the air ducts immediately and safely. Laboratory and video controls accompany the cleaning measures.**

## Advantages

- ...no disassembly of the installations
- ...short cleaning times
- ...quick installation use
- ...no long-term disinfection odours
- ...optimal air hygiene
- ...low costs
- ...safe due to quality controls

## Introduction

Environmental analysts of the company "Messtechnik Gummerum" started more than ten years ago with the development of a spore-, dust- and toxin free decontamination treatment, specialised on inhouse mould. This led to the formation of the company **special-clean.com GmbH.**

## Quality management

We are...  
...experts on the field of hygiene for ventilation installations and air conditionings (VDI 6022)  
...state-certified disinfectant  
...qualified in the fields of microbiology, environment analysis, keeping air clean  
...qualified as construction engineer; expert for building damages  
...experts for asbestos according to appendix 3 of TRGS 519  
...experts for working in contaminated areas according to BGR 128  
...personally certified as expert for mold removal according to **D-MIR®** Standard through **DEKRA Certification**  
...partner of accredited test laboratory  
...partners of certified surveyors  
...trained construction biologists  
...trained technicians for biologic measurement

The **system technology** used by us is leading on the area of **installation cleaning.** Valid german guidelines such as VDI 6022 and others, e. g. the strict swedish requirements, are kept under consideration for the planning and cleaning.

## Health risks

### Health risks posed by bacteria and mould in installations

Without regular maintenance of the installations, dirt and deposits, in connection with enough dampness, create the fertile soil for bacteria and mold. These can endanger the health of users of air conditionings over the long-term. Here, the quantity and the quality of the found germs and the physical condition of the inhabitants are always decisive. Bacteria, spores, and metabolism products of mold can, inhaled with the air, cause allergic and irritating reactions in humans, and e. g., cause asthma, as well as influence the performance ability immensely.

## Procedure

### Procedure in case of contamination

If there is a contamination of an installation, we set emphasis on the following:

1. inspecting of the installation (video, laboratory analysis)
2. planning of the cleaning
3. cleaning with installation-specific technology
4. chemical-free and dry dirt removal
5. quality controls (video, laboratory analysis)
6. volume flow measurements
7. planning of individual maintenance

**en-route worldwide**

**Phone: +49 700 00001414**  
**mail@special-clean.com**  
**www.special-clean.com**

