

MK Mobile Lab

Take your metal-free cleanroom on an excursion

The struggle for funds and space is one of the necessary evils in many areas of research. This is why MK Versuchsanlagen und Laborbedarf e.K. and its US subsidiary MK Metalfree Corp., manufacturer of customized special installations and equipment, took the initiative some time ago: MK develops, designs and installs complete metal-free cleanrooms and laboratories in mobile containers. A system with numerous advantages for the user, as the various application areas of research and production in use around the world are diverse.

1. Flexibility and mobility

A container solution makes it possible to transport the cleanroom to different locations. This is particularly advantageous for research projects that are carried out at different locations.

2. Adaptability

The metal-free laboratories can be individually adapted and converted according to the needs of the users.

3. Rapid deployment

The MK Mobile Lab can usually be set up as a temporary or mobile building and is therefore often not subject to the comprehensive official regulations of a new building.

4. International cooperation

Research institutions can use the MK Mobile Lab to collaborate internationally, for example by shipping the container. This means that different research groups have access to the same facility.

5. Safety aspects

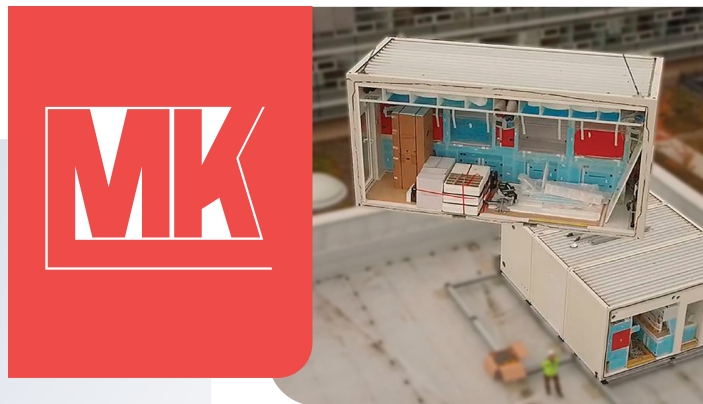
The use of mobile cleanroom solutions enables an individual approach to safety issues. If special safety precautions are required, such as for research in the field of nanotechnology or biohazardous substances, these can be implemented quickly and directly.

Exemplary setup of a metal-free cleanroom according to ISO class <6 in geochemistry

- Vertical laminar flow workbenches according to ISO class <3 with 100% exhaust air for the preparation of geological samples with extremely low blanks. Each workbench is equipped with electronically controlled hot plates for sample preparation with concentrated acids.
- Additional laminar flow workbench according to ISO class <3 for the extraction of ultrapure water, the drying of laboratory equipment and the distillation of ultrapure acids.
- An extraction workbench with four large electronically controlled hot plates for the final cleaning of laboratory equipment.
- A weighing room.
- A preparation room with table top workstations for sample preparation and cabinets for storage of laboratory equipment.



The MK Mobile Lab is built and equipped according to user requirements either as a single container, with several containers or as a large multi-storey laboratory complex. PHOTO: MK VERSUCHSANLAGEN.



MOBILE LABS

flexible & individual



Your cutting-edge research in a mobile and metal-free laboratory container ...

- ... for worldwide use at changing locations,
- ... as a single container, with several containers or as a large multi-storey laboratory complex,
- ... as a temporary interim solution,
- ... as an uncomplicated interim solution for rent.

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Youtube: Construction of a MK Mobile Lab