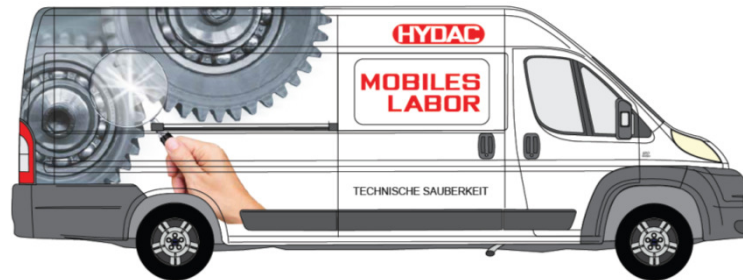


HYDAC Mobile Laboratory

Technical Cleanliness Analysis

On-site

**Services:**

- Expert advice and active support for the different aspects of technical cleanliness
- Component cleanliness analysis of sensitive components based on VDA 19, ISO 16232 or customer specification, directly on-site
- Process chain analysis as a basis for optimizing production processes with regard to technical cleanliness

Application areas:

Any sector where technical cleanliness is already an issue or will become one in the future. We cover the various stages in manufacturing such as logistics, production and cleaning.

For example:

- Automotive industry
- Agricultural, construction and municipal machinery industry
- Aerospace technology
- Electrical industry
- And much more

Advantages:

- Time and cost savings as a result of immediate analysis on-site
- Analysis of the current condition
- Minimizes any affects of transportation on the analysis results

...contact us**HYDAC INTERNATIONAL**

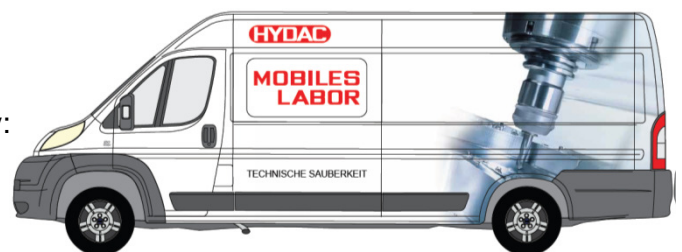
Or contact **Mrs. Gronewold** directly:

Tel.: +49 (0) 6897 / 509-9540

Mobile: +49 (0)172 / 192 5414

Fax: +49 (0) 6897 / 509-1114

E-mail: ina.gronewold@hydac.com

**Price:**

On request we will send you a detailed quotation based on your requirements.

HYDAC Mobile Laboratory

Technical Cleanliness Analysis

On-site

The Mobile Laboratory equipment:



HYDAC CTU 1230 MZR

The HYDAC CTU 1230 MZR is used to determine the technical cleanliness of lightly contaminated components. This means that sensitive components can be sampled and analyzed according to VDA 19 / ISO 16232 or customer specification inside the air-conditioned vehicle.

Size of analysis cabinet: 460 mm x 768 mm x 650 mm

Automated counting microscope

The granulometric evaluation (to VDA 19 / ISO 16232 or customer specification) of the membrane is conducted using the automated counting microscope. The number, type and size of the filtered particles can thus be determined. It can distinguish between reflecting and non-reflecting particles and fibres.

Analysis scales

The gravimetric evaluation to ISO 4405 is carried out using the integrated analysis scales.

(Resolution from 0.1 mg)

Hardware and software

Enables evaluation and documentation to be carried out directly on-site.

Miscellaneous laboratory equipment

For the analysis of oils, cooling lubricant emulsions and aqueous solutions, e.g.:

- Particle distribution using comparison methods or microscopic evaluation
- Gravimetric analysis based on ISO 4405
- Granulometric analysis

Different parameters can be measured to "rapid test" the media, e.g.:

- determine the pH value
- determine the chloride content
- determine the hardness (°dH)
- determine the nitrite/nitrate content