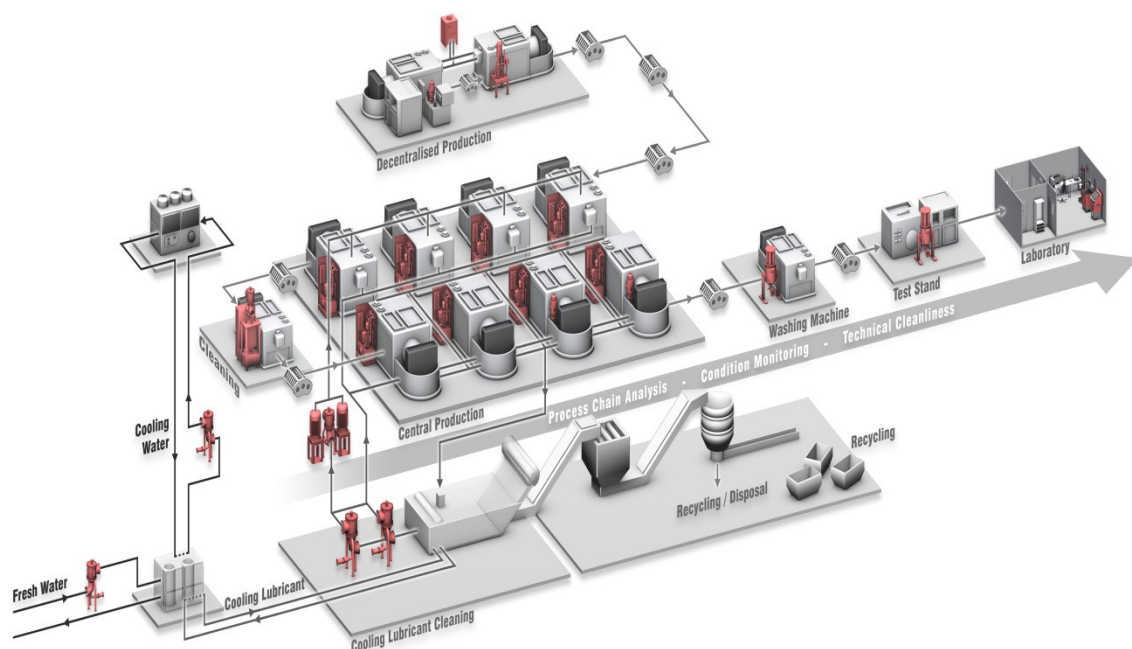


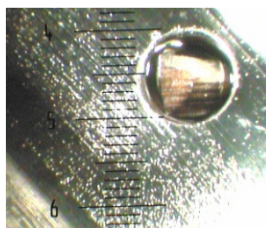
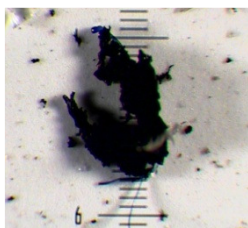
## Fluid Engineering

### Cleanliness Management throughout the Process Chain



The reduction and prevention of start-up breakdowns and the challenge of increasing warranty periods place ever greater demands on cleanliness management.

HYDAC carries out process chain analyses in a wide variety of production lines in order to provide reliable levels of cleanliness, as required.



### Application areas

As an active contributor to VDA 19 / ISO 16232 and as a partner for highly automated production techniques we document and visualize the cleanliness in the production process. We formulate and prioritize measures to optimize the production process in respect of technical cleanliness.

#### Industries:

Automotive manufacturers and suppliers, mobile technology and electronics, aviation and aerospace technologies, machine building and many more.

### Advantages

- On-site service / documenting the current condition
- Evaluation of the technical cleanliness according to VDA 19 / ISO 16232
- Optimization of the production process
- Support throughout these procedures

## Fluid Engineering

### Cleanliness Management throughout the Process Chain



#### Procedures

- Documenting the production processes: logistics, production, assembly, workstation etc.
- Determining the cleanliness of the components throughout the process chain
- Sampling and analysis of auxiliary materials and process media
- Determining environmental conditions
- The on-site support of our mobile laboratory vehicle on request
- Evaluation and documentation of the analysis results
- Evaluation and compilation of a package of measures in collaboration with the customer

#### Guidelines

The analysis in the laboratory or the mobile laboratory vehicle is carried out according to:

- VDA 19
- ISO 16232
- ISO 4405
- ISO 4406: 1999
- DIN 51777 Part 1
- DIN 51562-1
- DIN 51396
- DIN 51412
- DIN 51368

Your internal company standards and regulations are, of course, also taken into account.

#### Ask about cleanliness management from HYDAC INTERNATIONAL

Or contact **Mr. Schittek** directly:  
 Tel.: +49 (0)6897 / 509-1669  
 Mobile: +49 (0)172 / 6589937  
 Fax: +49 (0)6897 / 509-1114  
 E-Mail: [thomas.schittek@hydac.com](mailto:thomas.schittek@hydac.com)