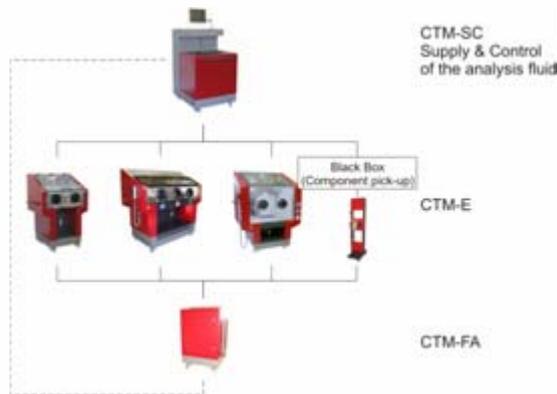


## Filter Systems

Technical cleanliness inspection enters a new dimension with the Contamination Test Module CTM series



In many industrial applications, technical cleanliness testing in accordance with ISO 16232 and VDA 19 standards is essential. Ever increasing demands are made on individual components and modules, not only in the automotive and automotive supplier industries, but also in gearbox and engine building, mobile hydraulics, and the manufacture of hydraulic and lubrication system components. Monitoring technical cleanliness in conjunction with process chain analysis aims to reduce breakdown to 0 km or 0 hours, and to minimize costs associated with reworking, warranties, and customer relations.

With the expansion of the Contamination Test Module CTM series, Hydac is entering a new dimension. The analysis and fluid handling is controlled by the CTM-SC. The parts to be tested are located in the analysis area of a CTM-E extraction module. The fluid that will be used to test the components is transported from the closed extraction module directly to the analysis module. The analysis can be carried out near the production area without a laboratory. Carrying out the analysis on-site without complex laboratory tests increases the throughput five-fold. The data is automatically made available in AQDEF format for the customer's quality software so that a statistical analysis can be carried out.

The CTM series is comprised of different modules:

- Supply module CTM-SC (Supply and Control)

Module for  
- fluid supply  
- control  
- data storage

- Modules for component analyses CTM-E (extraction)

The modules vary according to the size / model and extraction process. They feature four types of extraction in different combinations (spraying, rinsing, ultrasound).

- Fluid Analyzer CTM-FA

Module for determining the particle count according to ISO 16232 by automatic fluid treatment and analysis via optical particle counter

When you apply the CTM, you are optimizing internal and external processes and recognizing and eliminating weak points. This will also reduce your costs. Then you'll always be a length ahead of your competitors.

You will find additional information on technical cleanliness and ISO 16232/VDA 19 at <http://www.hydac.de/de-de/service/dienstleistung-service/technische-sauberkeit.html>.

Or simply send an e-mail to [filtersystems@hydac.com](mailto:filtersystems@hydac.com).