

Fundamentals of Industrial Parts Cleaning

Intensive Training | Test Center Filderstadt, Germany

On the way to the final product many different parameters influence the required quality of the parts. That means, for efficient parts cleaning all the influences along the process chain must be taken into account. The participants will be sensitized regarding the possibilities and feasibility in cleaning technology and will learn to assess cleanliness requirements correctly.

FUNDAMENTALS OF
INDUSTRIAL PARTS
CLEANING



- With our one day seminar in Filderstadt you gain profound knowledge about the fundamentals of industrial parts cleaning. After the theoretical part you will be able to experience practical cleaning trials with selected cleaning systems and to personally assess the results.



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Theoretical Part

1. Targets and requirements for a cleaning process

- Coarse cleaning, fine cleaning, precision cleaning
- Fulfillment of requirements for component cleanliness
- Easy-to-clean design

2. Entry into parts cleaning

- Basics of organic and inorganic chemistry (lipophobicity / hydrophilicity)
- Origin, classification and composition of contaminations (cooling lubricants, oils, swarf or particles)

3. Influence factors on an easy-to-clean design

- Part (material, kind and amount of contamination, geometry, quantity, cleaning time)
- Cleaning media (aqueous/solvent)
- Demands on the surface quality and the part cleanliness
- Staff (process relevant employees)
- Work piece carriers

4. Machine-specific process parameters

- Bath maintenance measures (media preparation)
- Cleaning and process technology solutions (spraying, splashing, flooding, injection flood washing, vapor degreasing, ultrasound with different frequencies, part movement like turning, swiveling and so on...)

5. Basics of technical cleanliness according to VDA 19.1

Practical Part

Cleaning trials in the Test Center

- Trials with aqueous and solvent cleaning machines with use of spraying and flooding, ultrasound cleaning, vapor degreasing as well as hot air drying and vacuum drying

Dates/Duration: upon request, 1 day

Price: 1.040,00 EUR/person

Seminar incl. catering, training material and certificate



**You would like to find out more, have questions or need an individual offer and personal advice?
Our trainers look forward to your message.**

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