

High Purity Test Center

Cleaning Solutions for the Highest Demands

EcoCvela



ECOCLEAN

technology that inspires



Ecoclean High Purity Test Center – For Highest Cleanliness Requirements

In our High Purity Test Center, we enable cleaning tests and feasibility studies for a wide range of system and process solutions under clean room conditions.



Our cleanroom-based customer and test center has two cleaning areas with different cleanliness classes. The first area is a cleanroom to which a solvent and an aqueous chamber system are connected. Components with medium to high cleanliness requirements are cleaned in this area. Depending on the requirements, this can be a final cleaning or a pre-cleaning for the highest cleanliness requirements.

The second area is a validated clean room of clean room class ISO 7. This area is designed for cleaning tests on components with the highest cleanliness requirements, such as those required for Grade 1 and 2. The components (e.g. components for use in the semiconductor, laser or optics industry) are always pre-cleaned.

Services

- Cleaning trials with original components
- Feasibility check (proof of achievable cleanliness classes)
- Process development & definition
- Contract cleaning (e.g. prototypes, small series, etc.)

Equipment & options

- Various chamber and multi-stage immersion cleaning systems suitable for high purity requirements
- The systems can be used to implement processes such as Ultrasound, Ultrasound Plus, Pulsed Pressure Cleaning (PPC), Spraying and Injection Flood Washing (IFW)
- Movement of the components to be cleaned with adjustable oscillation or rotation is possible on request
- Alkaline, acidic and neutral cleaning media
- Passivation
- Drying with hot air, vacuum and infrared
- Media treatment systems for reverse osmosis (RO), deionized water (DI) and ultrapure water (UPW)
- Evaluation of the cleaning results for filmic and particulate residual contamination by means of preliminary checks with microscopes, bright light and UV light, darkroom
- Process monitoring
- Packaging of components according to requirements



➤ Our cleanroom-based Test Center has two cleaning areas with different cleanliness classes.

Evaluating the cleaning results, e.g. using bright light in the darkroom



Come and visit us

Our experts at the High Purity Test Center look forward to working with you to develop the right solution for your specific cleanliness requirements.

Contact

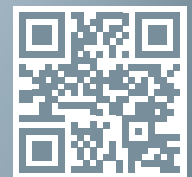
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➤ Insights into the Ecclean High Purity Test Center:



Our Locations Worldwide



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