

## Press Release

Ecoclean – Cleaning solutions for all industrial sectors  
Save money and resources with optimally tailored cleaning

When it comes to cleaning components, companies in all industries today face an enormous variety of tasks. To meet the very different requirements in a process-reliable and cost-saving manner, cleaning that is optimally adapted to the application is required. Ecoclean will be presenting corresponding solutions at MACH (Hall 20, Booth 579) in Birmingham. In addition, the equipment manufacturer will be providing information on automation and digitalization as well as on optimizing the energy and resource efficiency of cleaning processes.



*Whether solvent or water-based cleaning, coarse, intermediate, and final cleaning or ultra-fine and high-purity cleaning, at MACH Ecoclean will be presenting a complete product and service range optimally tailored to the different cleaning tasks in all industries.*

Due to new products, changing sales markets, and modified manufacturing technologies and process chains, the range of tasks in component cleaning in virtually all industrial sectors is more diverse today than ever before. Cleanliness specifications range from oil- and/or particle-free to the removal of fine particles or minimal film-like residual contamination. On the one hand, these specifications must be reliably and consistently met. On the other hand, with a view to competitiveness, parts cleaning must be as cost-effective, energy-efficient, and resource-efficient as possible. And this must be achieved regardless of the dimensions of the workpieces and the material from which the components are made. In addition, the automation and digitalization of cleaning processes is becoming increasingly important.

As an experienced full-range supplier of future-oriented, flexible, and energy-efficient solutions for industrial component cleaning, surface treatment, and automation, Ecoclean will be presenting a product and service range optimally tailored to these requirements at MACH (Hall 20, Booth 579) in Birmingham.

## **Whether modularly designed or individually constructed – always perfectly tailored to the respective application**

For cleaning with solvents, modified alcohols, and water-based media, the product portfolio includes modular cleaning systems such as chamber and ultrasonic multi-bath immersion systems. These solutions enable the cost-optimized design of cleaning systems for a very wide range of tasks. The company's individually designed special systems are used when company-specific requirements, for example due to very high throughput requirements or the dimensions of the components, cannot be met by modular systems. With this complete range of cleaning systems, the plant manufacturer covers the entire spectrum of wet chemical processes for batch and single-part cleaning in virtually all industries. In addition, various application-specific process technologies, for example for spray, high-pressure, immersion, ultrasonic, and plasma cleaning, steam degreasing, injection flood washing, pulsed pressure cleaning (PPC), and ultrasonic plus, ensure that the required cleanliness specifications are achieved quickly, consistently, reproducibly, and resource-efficiently. Innovative developments for water-based cleaning processes also contribute to this. These include the Lab-on-a-Chip (LOC) system for automated monitoring and control of cleaning quality, which can be integrated into both chamber and multi-bath immersion systems. Another example is the new Smart Drying technology, which enables AI-supported, intelligent control and optimization of drying processes with hot air and vacuum.

## **Services including contract cleaning for economical and needs-based cleanliness**

Another topic that will be in focus at the Ecoclean booth is forward-looking service solutions. This includes, among other things, customized cleaning of components made of almost any material as a service, as well as predictive maintenance, customized service concepts, process analyses, and plant modernization. In addition, experienced employees will provide information on ways to make cleaning processes more energy- and resource-efficient, as well as on the automation and digitalization of component cleaning. The Ecoclean Academy's training program will also be presented.

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