

## Press Release

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**Ecoclean – Experts for Parts Cleaning at FABTECH, 11-14 September, Chicago**  
**Future-oriented and sustainable solutions for reaching high cleanliness requirements**

Southfield (MI), June 2023. **Parts cleaning has become a quality critical manufacturing step in all industry sectors. Thus, companies have to take great effort to reproducibly meet even more demanding particulate and surface tension cleanliness specifications. Ecoclean is answering to these requirements with future-oriented parts cleaning solutions. Information on the various machines for solvent and water-based cleaning for the general industries will be provided at FABTECH in Chicago (IL).**

Due to rising demands on component quality, new manufacturing technologies, modified processes and/or materials, digital transformation as well as stricter energy efficiency and climate protection targets, parts manufacturers are confronted with new challenges. Moreover, changes in regulations, for example in medical engineering, need optimized processes and plants. All these have an effect on parts cleaning. Even more stringent specifications on particulate and surface tension residual contaminations have to be fulfilled in a stable manner. In some industries, like the semiconductor supply and sensor industry, additional requirements such as maximum outgassing rates for organic substances and residual moisture must be met. Ecoclean and UCM – the division of the SBS Ecoclean Group specializing in high precision and ultra-fine cleaning – are responding to these demands with optimally adapted solutions and innovative developments. At FABTECH, to be held at McCormick Place, in Chicago (IL), from 11-14 September, 2023, Ecoclean (Booth # D40562) will be providing information on a broad range of future-oriented solutions for the general industries.

## **Machines for solvent and water-based cleaning**

As a full-range supplier, Ecoclean offers industrial parts cleaning solutions for every cleaning task in the general industries. Adapted to the specific requirements and applications (e.g. manufacturing technology and level, type of contamination, cleanliness demands, throughput, weight), different systems are available for batch cleaning with water-based media and environmentally compatible solvents.

For solvent-based cleaning with hydrocarbons and modified alcohols (semi-polar solvents), the product portfolio comprises of fully enclosed machines carrying the fluid in a closed circuit. All solvent-based cleaning systems come equipped with an integrated distillation system and filtration systems for continuous automatic reconditioning of the solvent. As a result, operator exposure to the solvent is virtually eliminated and an unchanging cleaning quality and long solvent life is ensured. The systems can be used from pre-cleaning through intermediate to final cleaning tasks and preservation, and achieves results in short cycles. Process technologies integrated as standard, such as vapor degreasing, and ultrasonic and injection flood washing, also contribute to this.

Water-based cleaning with alkaline, neutral and acidic media is the technology most frequently employed in the industry. True to the principle of "like dissolves like", it enters the field whenever water-based (polar) contamination – e.g., coolant and lubricant emulsions, polishing pastes, particles, abrasive materials, salts or fingerprints – need to be removed. For water-based part cleaning processes, Ecoclean's product program includes an extensive range of both standard cleaning systems and customer-specific designs. An optimum adaptation to the tasks and demands of distinct industries is key to superior cleaning quality, higher process reliability and plant availability, in addition to saving costs and resources.

## **Information all about cleaning**

In addition to the machine information, Ecoclean will provide information on solutions for industry-specific requirements, including the diverse tasks in electromobility, medical engineering, as well as maintenance and remanufacturing. Forward-looking service

solutions are another topic at Ecoclean's booth. These include an iOS and Android compatible Service app for maintenance and repair requirements, tailored service and maintenance concepts, developments regarding the digitization of cleaning processes, options for modernizing and adapting systems, as well as training programs for customer employees.

**Ecoclean at FABTECH: McCormick Place, Chicago (IL), Booth # D 40562.**

Captions

Photo 1



The product range comprises of chamber cleaning machines for solvent and water-based cleaning processes as well as multistage aqueous immersion and multistage ultrasonic cleaning systems.

Image source: Ecoclean

## **SBS Ecoclean Group**

*The SBS Ecoclean Group develops, produces and markets forward-looking machinery, systems and services for industrial part cleaning and surface treatment applications. These solutions, which are among the best in the world, help companies around the globe to manufacture their products efficiently and sustainably in high quality. Customers come from the automotive and supplier industry, as well as the broad industrial market - from medical, micro and precision engineering through mechanical engineering and the optical industry to power engineering and the aviation industry. Ecoclean's success is based on innovation, cutting-edge technology, sustainability, customer proximity, diversity and respect. The Group has twelve locations in nine countries throughout the world and employs more than 900 people.*

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