

# Industrial Cleaning Technology

A Clean Business



**ECOCLEAN**

*technology that inspires*



In industrial parts cleaning it depends on achieving the necessary cleanliness requirements for either following processes or for a high quality and functionality of the parts to be cleaned. Additionally, it is all about conducting cleaning processes in an efficient and sustainable manner.

# Innovative Solutions for Cleaning and Surface Processing Needs



Ecoclean develops and markets products, systems and service solutions for technical cleaning applications and water-based surface treatment processes. Automotive industry customers and their suppliers, as well as part and component manufacturers from the wider industrial market – from the medical and optical equipment sectors to aircraft construction – appreciate our technology and our services. As worldwide market and technology leader, we are present at production sites in Germany, Switzerland, France, Great Britain, the Czech Republic, the USA, Mexico, India and China. We also operate own test centers and laboratories at our locations worldwide. Our Academy offers practical seminars and trainings

either at our locations or in-house at our customer's site. With an expertise spanning all aspects of industrial parts cleaning and the ability to deliver fast after-sales service, we operate on a global scale while remaining close to our customers. So when it comes to efficient and future-oriented solutions for cleaning tasks, we serve as a reliable partner to our international customer base.

The workpiece and the nature of its pollution determine the cleaning medium and the type of cleaning equipment. This brochure gives you an initial overview of our product portfolio. Detailed information and recommendations for your particular applications are developed together with you.



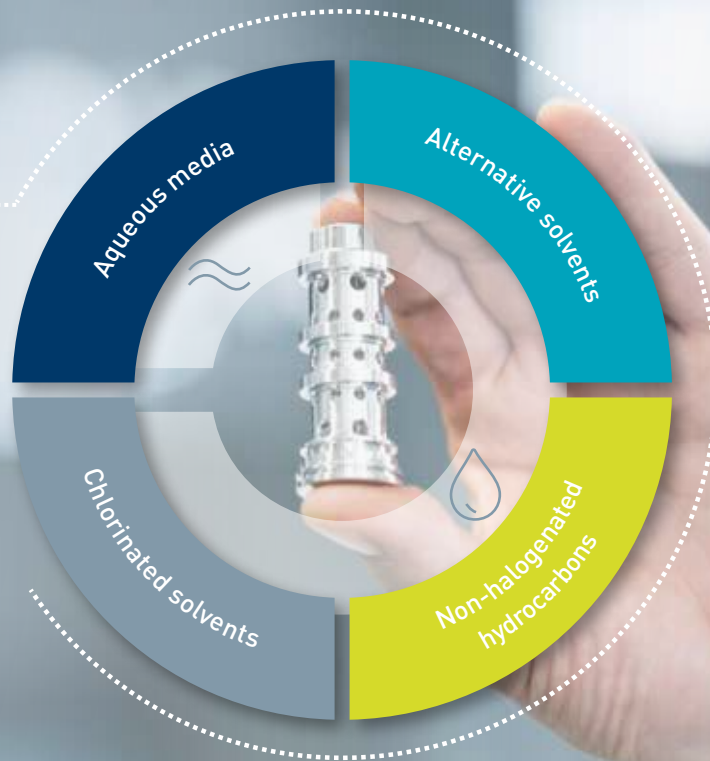
# Efficient, Sustainable Industrial Parts Cleaning to Suit Your Needs

Our comprehensive range of cleaning equipment provides systems for virtually all types of cleaning tasks – for parts made of metal, plastic and glass. From coarse to intermediate to ultrafine cleaning, our systems do not only provide an improved cleaning quality and a higher process reliability, but also guarantee cost and resource savings in your production. For the reliable and efficient removal of oil, grease, emulsions and swarf.

## CLEANING MEDIA >

## > STANDARD PROCESSES

- Spray cleaning
- Immersion cleaning
- Ultrasonic cleaning
- Vapour degreasing
- Dry cleaning
- Injection flood washing



Additional information about industrial parts cleaning are available within the Knowledge Base on our website.



+ **Universal fields of application:**  
from coarse to fine cleaning

+ **Innovative system technology:**  
minimized floor space of only  
5.5 m<sup>2</sup> (2-tank system)

+ **Up to 30 % reduced product costs  
per unit:** through volumetrically  
optimized batch make-up

+ **100 % drying:**  
hot-air and vacuum drying

+ **Extensive range of options:**  
fine cleaning, equipment monitoring,  
fluid treatment

+ **User-friendly operation:**  
advanced HMI operator  
panel for real-time monitoring

+ **Optimized fluid management:**  
upright, cylindrical flood tanks

➤ EcoCwave – the all-round talent  
for aqueous part cleaning

## Trend-Setting System Technology for Aqueous Cleaning Processes

Aqueous parts cleaning is applied in the automotive and its supplier industry, in chipping, stamping, pressing and bending, medical and precision engineering as well as optics. Sophisticated system designs such as for the EcoCwave offer versatile application options and therefore cater for a broad range of applications from coarse to fine cleaning.



EcoCcube



EcoCmax



Mega 86W



Universal 81W

Solutions for aqueous cleaning



# Solvent-Based Cleaning Setting Standards



When surfaces free of grease are required, solvent-based cleaning solutions are favorably applied in industrial parts cleaning. Modern system technologies such as for the EcoCcore offer more flexibility, a higher throughput and improved quality while reducing per-unit part costs.

- + **Intuitive system operation:** new HMI panel with integrated part visualization
- + **Higher load capacity:** increases throughput, lowers unit costs
- + **Adaptable operation:** with hydrocarbons and modified alcohols
- + **Optimized system technology:** for improved part cleaning
- + **High flexibility:** variety of available load compositions, combination filter housing and component preservation options
- + **Exceptional ease of maintenance:** smart modular construction



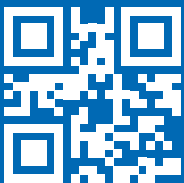
➤ EcoCcore – a new dimension in solvent-based cleaning





# UCM – Solutions for Precision Cleaning

UCM systems for ultrafine cleaning offer individual solutions for highest cleaning requirements in typical applications such as precision optics, medical engineering, fine mechanics and cleaning prior to PVD and CVD coating.



[www.ucm-ag.com](http://www.ucm-ag.com)





## Our Locations Worldwide



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