



Our cleaning solutions will allow you to realize your process with safety and innovation



> ABOUT US

We are independent experts for industrial components cleaning, and a competent partner in all matters relating to cleaning technology. We adapt the cleaning process specifically to your components and what those components need. We develop cleaning procedures and programs, and optimize your existing cleaning system so that it can comply with new demands. We will assist you by drafting the functional specifications document when you acquire a new cleaning system, help you run cleaning tests at our technical center, and support you with the final inspections of your cleaning system. The customized and vendor-independent customer service is an essential component of the RTG offer.

Capitalize on our experience of more than 25 years!



Oliver Grätz
Managing Director

We are your one-stopshop for:

- > Basic check of the cleaning machines and the process chain
- > Analysis of cleaning problems
- > Process optimization using our processing systems
- > Acquisition of new cleaning facilities and systems
- > Engineering of specific customized facilities
- > Quality assurance using our analyzers
- > Assessing the cleaning technology of your suppliers
- > Complete after-sales service

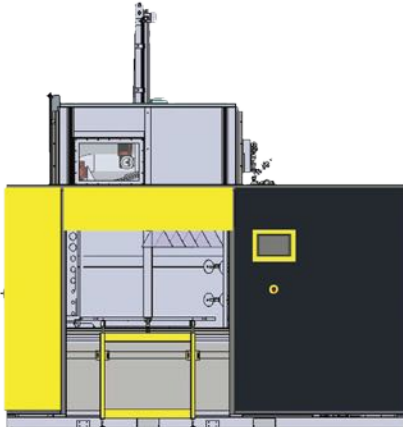
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> OUR PRODUCT PORTFOLIO

Cleaning systems on aqueous basis,
designed for your customized cleaning requirements



Our **RTG bath treatment and process fluid supply systems**
ensures process safety and optimum cleanliness of your products



Our **bath analysis systems** for builder and surfactant measurement
put you in control of your cleaning baths at all times



> OUR RTG BATH CARE SYSTEM

> As add-on module incl. PLC or individual components for integration

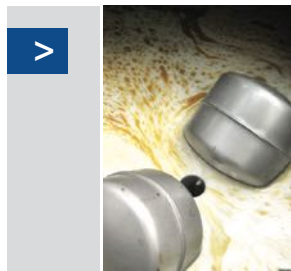
THE COMPONENTS:

- RTG DPS including coalescence oil separator
- Full flow neodymium magnetic bars
- RTG stainless steel telescope skimmer
- RTG stainless steel displacement pump
- RTG hydraulic unit
- RTG oil sensor
- Fully automatic dosing unit
- Optional online builder and surfactant sensors



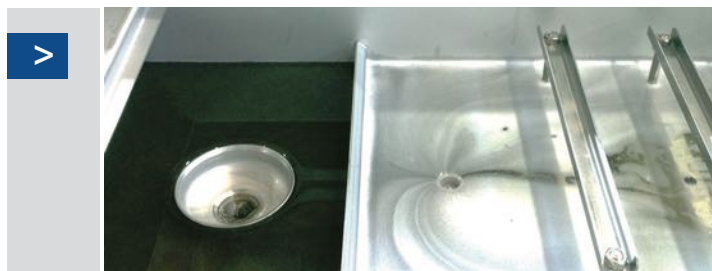
> The functionality of RTG bath care systems

SURFACE SKIMMING / OIL AND PARTICLE DISCHARGE IN CLEANING BATH



- Extracting of oils/particles from the bath surface using the RTG skimmer
- Controlled displacement pump feeds the medium into the RTG DPS 120
- Magnetic filtering in the inlet of the RTG DPS 120 oil separator
- Controlled discharge of the oils/particles in DPS 120 using the RTG hydraulic unit
- Additional dosage of the lacking surfactant and builder in the clean section of DPS 120
- Return flow of the treated medium into the cleaning system

MAGNETIC SEPARATION/ OIL AND PARTICLE SEPARATION / DOSAGE IN DPS 120



The RTG hydraulic unit extracts the floating oils and particles in the DPS 120 coalescence oil separator.

The treated medium flows back from the left to the cleaning system.

Your benefits

- > Oils, pollutants and particles are removed from the unit fast and efficiently
- > Considerably longer bath service life (6-12 months)
- > Significantly increasing technical components cleanliness
- > Invariable quality of the cleaning agent
- > Consistently high quality of the cleaned components
- > Consistently optimum anticorrosive coating of components
- > Saving on operating expenses and a very high degree of customer satisfaction

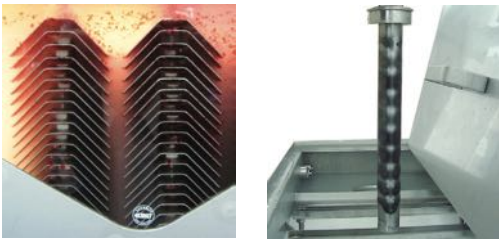
> OUR RTG PROCESS FLUID SUPPLY SYSTEM

> As add-on module for a decentralized media supply and bath treatment

THE COMPONENTS:

Metering the cleaning agent using proportional doser / diaphragm metering pump

RTG coalescence oil separator incl. neodymium-magnetic separator for effective bath treatment



Pre-flow filtering with filter monitoring

Return-flow filtering with filter monitoring

Variable partial discharge oil

Variable partial discharge sediment

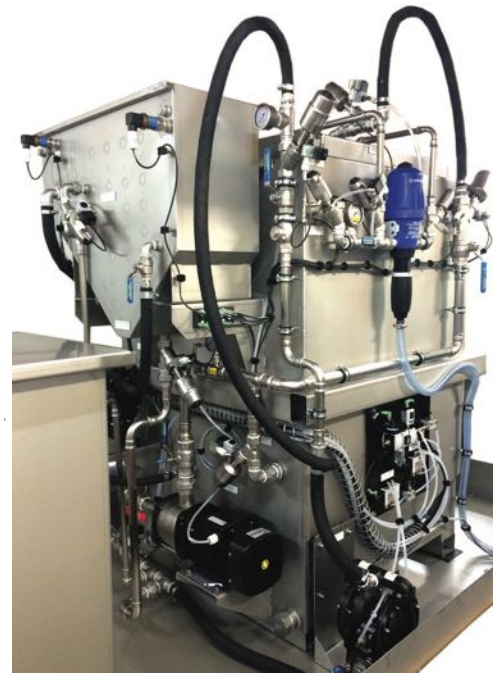
Adjustable pumping rate for optimum adaptation to the flow rate of the cleaning process

100L storage detergent tank; with level monitoring

Connectable via: Profibus / Profinet / voltage-free contacts

All components touching the media exclusively in PTFE / stainless steel

GRUNDFOS pumps / FESTO pneumatics / SIEMENS PLC



Your benefits

- > Decentralized media supply of aqueous cleaning systems with integrated bath treatment
- > Invariable quality of the cleaning agent through partial discharge of oil/sediment
- > Consistently high quality of the cleaned components

> OUR RTG SURFACTANT ANALYZER

> For measuring the detergent substances (surfactant)

The RTG TENSIOTEST T90 determines the amount of the free surfactants in the cleaning agent by measuring the dynamic, volumetric surface tension. To achieve that, the T90 is calibrated with the surfactant that is used. After that, the current cleaning efficiency can be determined reliably and fast (display in %).

Your benefits

- > Up to 10 calibration curves can be stored
- > Easy and fast generation of calibration curves (90 seconds)
- > No additional costs for calibrations
- > Applicable and reliable method of measurement
- > Intuitive and user-friendly operation
- > Integrated IR temperature measurement
- > Expendable items are not needed
- > All components in contact with cleaning media made of stainless steel/PTFE
- > Solid design
- > Available as online-option with optional surfactant-addition (control circuit/dosing pump)



> THE LIQUIDSENS MEASURING SYSTEM FOR BUILDER IDENTIFICATION

> For measuring the detergent concentration

The LiquidSens measuring system consists of sensors, controllers, connection cables, and software. The system analyzes the concentration of fluid mixtures by means of an acoustic waveguide. The LiquidSens system measures online and in real-time.

Your benefits

- > Temperature compensated, concentration reading at various temperatures
- > Highly accurate using a precise factory calibration
- > Expendable items are not needed
- > Analysis of several detergents
- > Available as a hand-held probe or online system



> OUR CLEANING TECHNICAL CENTER

> Give us a try first and be absolutely sure before you make the purchase

More convincing than any argument and more compelling than any technical data is the field test. You can personally make sure of the reliability of our solutions and products by running your own trial cleaning at our technical center in Fischen.

We document every trial cleaning from top to bottom. We look forward to your visit.



OUR CLEANING TECHNICAL CENTER FACILITY

- > Spray cleaningsystem Mafac Elba
- > Spray cleaningsystem BUPI CLEANER®TOPLOADER TL 80-K incl. incl. hot-airdrying
- > Vacuum drying installation with integrated hot-air drying
- > Bath analysis option for builder: titration / sonic velocity measurement
- > Bath analysis option for surfactant: RTG TM 100 Surfactant Analyzer
- > Bath analysis option for conductivity: WTW LF (cond.) measurement (conductive)
- > Bath analysis option for PH-value: WTW PH measurement
- > Spacious meeting and training room



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