



Parts Cleaning. Systems and Solutions.



Purely aqueous.



Innovative  
cleaning technology  
from the Black Forest

# Fit for the future.

Sparkling ideas for inno



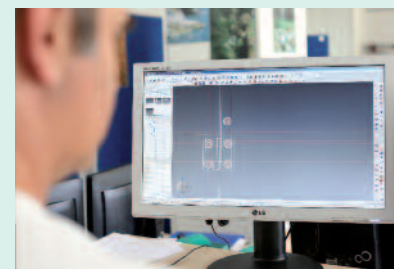
vative development.



CEOs Rainer and Joachim Schwarz add a new dimension to aqueous parts cleaning systems.

Aqueous cleaning of engineered components has been our key competence for more than 20 years. What we do particularly well is researching new fields of application with regard to developing innovative technologies and engineering features in line with the requirements of the market. Sparkling ideas, profound know-how, and great perseverance are the pillars on which the development of our compact parts cleaning systems is based. Motivated by the responsibility we feel for our environment and consistently geared to the requirements of international markets, we have specialized in aqueous cleaning systems.

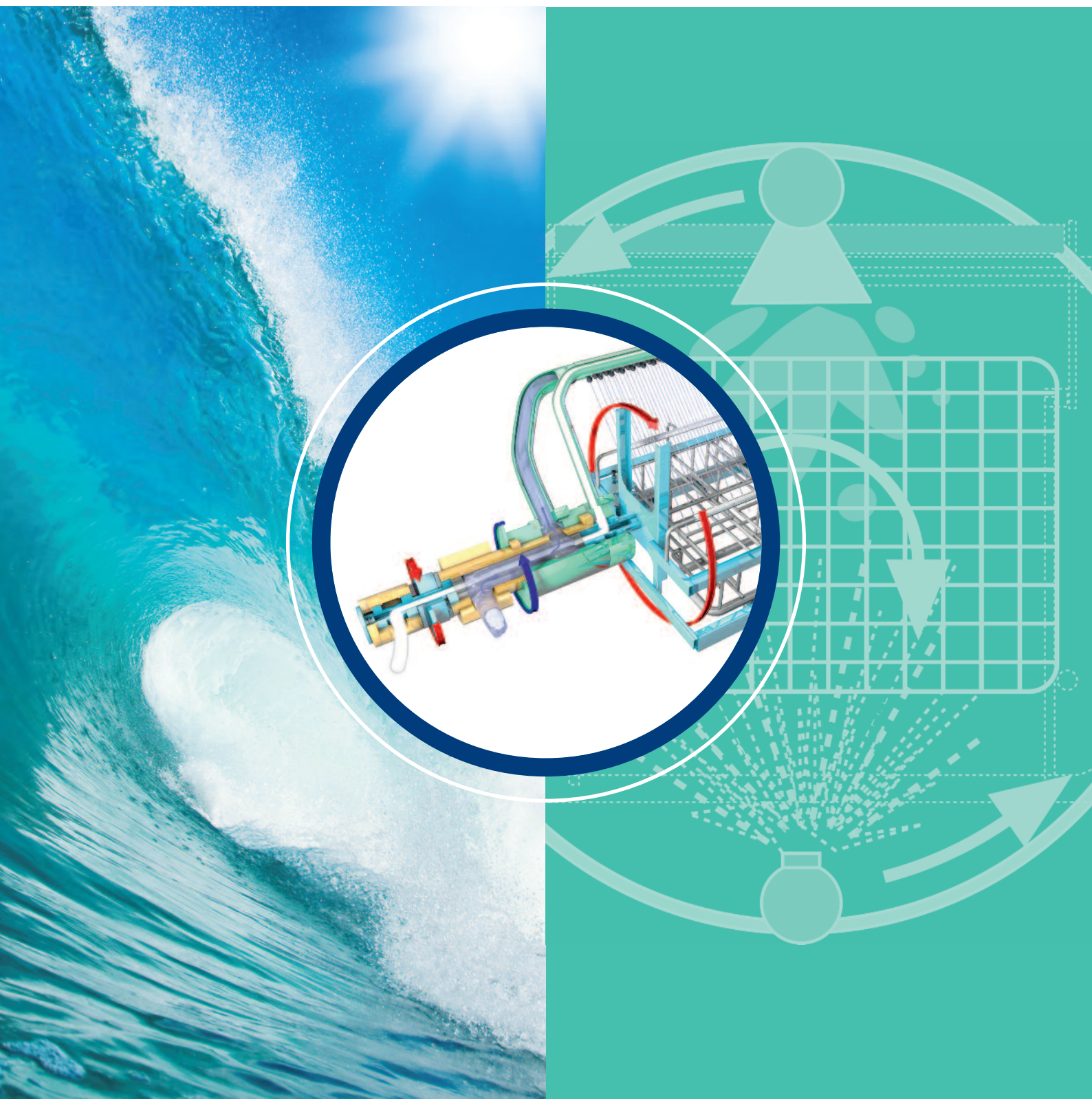
Today, our customized process solutions range from de-centralized stand-alone machines to fully automated machine concepts. Thanks to constant research and sustainable development, our highly qualified team is able to master the steadily increasing demands in cleanliness within the industry, even in high-tech sectors such as automotive or aerospace.





# Premium quality.

Patented technology for cleanl



# Business in engineered components.



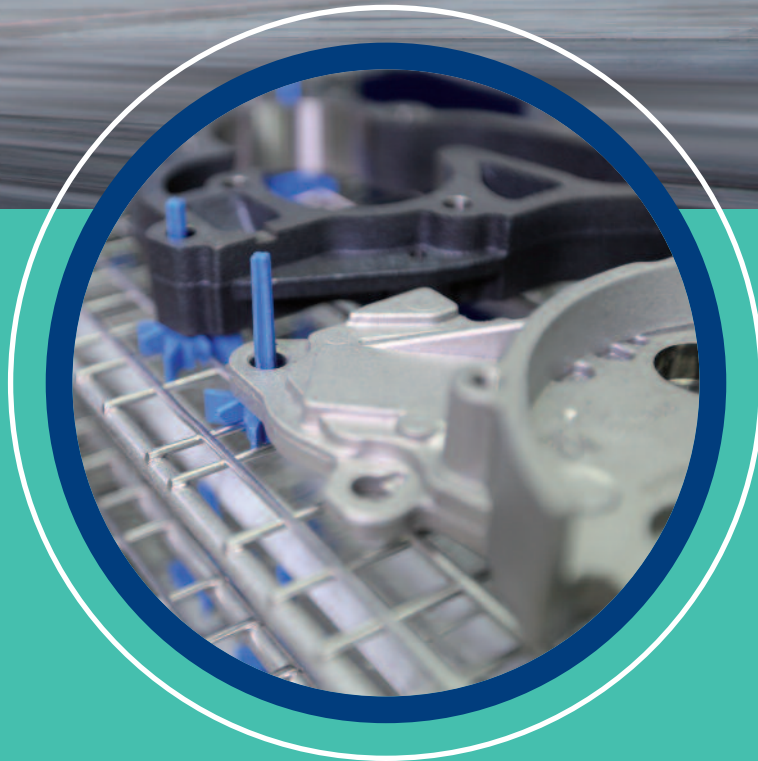
MAFAC gets parts cleaning moving. Our patented technology, the rotation of basket and nozzle systems in the opposite or same direction, sets global standards within the cleaning industry. All MAFAC machine models are based on high energy cleaning as a system approach, ensuring clean and efficient solutions tailored to your individual cleaning requirements. Here, our priority is in the optimization of our reproducible, energy-efficient and resource-preserving technologies. To reach this goal, we get our bearing from bionic processes, which are by nature sustainable and highly efficient. In the field of advance and system development, our experienced team of engineers and technicians are working hard to develop the respective basic principles.

To this end, we have our own development laboratory where we carry out small scale detailed testing on the component surface. In addition, we do full scale research on machines or technologies within our test facility. For many years now, our trend-setting development competence in aqueous parts cleaning has made us an esteemed partner for university research projects.





Perfectly attuned to market requirements  
Optimum cleanliness for

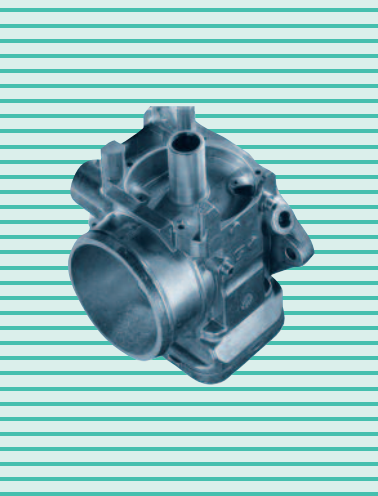
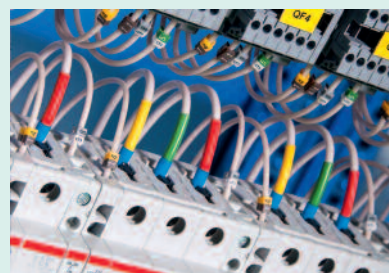
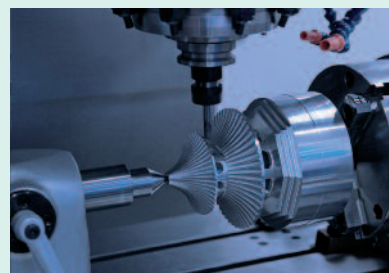
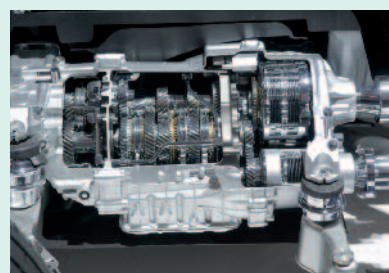


ents.

a wide range of industries.



For many industries, the cleanliness of the engineered components is a major quality criterion. Industry sectors such as aerospace and automotive and their supply chain are considered as leading the way with respect to the high demand of their quality assurance standards. Well-known representatives of these industries have appreciated MAFAC for many years as a competent partner and provider of reliable cleaning solutions. In the high-end sector, the parts to be cleaned are often high-precision components with very tight tolerances that have to be able to withstand extreme loads – for example with cleanliness requirements for safety-critical parts in the particle range of 200 µm. Generally, MAFAC compact systems are used in all types of industrial cleaning of ferrous and non-ferrous metals, as well as synthetic parts. Our machines are found primarily in the automotive industry and its supply chain, in precision mechanics and light engineering, in the hydraulics industry, electrical industry, automation engineering, and in all fields of metal-cutting manufacturing. Our customer portfolio also comprises watchmaking and medical companies.



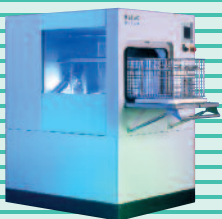
# Purity in manufacture.

Compact machines for opti



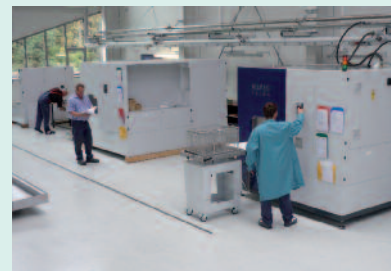


# mized process solutions.



As a modern machine manufacturer, we wish to meet all the requirements you specify for your project. We proceed on the basis of the MAFAC M2P philosophy, since the perfect synergy of machine, man and process is the precondition for the implementation of customized process solutions. To ensure that we reach this goal, we start at an early project stage with competent advice and a detailed evaluation of your requirements. Before you purchase a machine, we offer well-documented test cleaning in our Alpirsbach Technical Center. In the single- or multi-tank machines. The MAFAC portfolio comprises the spray-flood systems PALMA and JAVA, and the spray cleaning

systems ELBA and KEA. In particular the JAVA and PALMA machine series are characterized by patented cleaning and drying technologies, as well as versatile optional packages. We also offer fully-automated machine concepts for multi-stage parts cleaning. To ensure optimum functionality of your processes, our application engineers will be at your side during the commissioning of your system; later on, they will provide sound advice based on their extensive knowledge and broad practical experience.



# Our history at a glance.

Innovative spirit sets tech





n o l o g i c a l   s t a n d a r d s .



1968



1974



1990

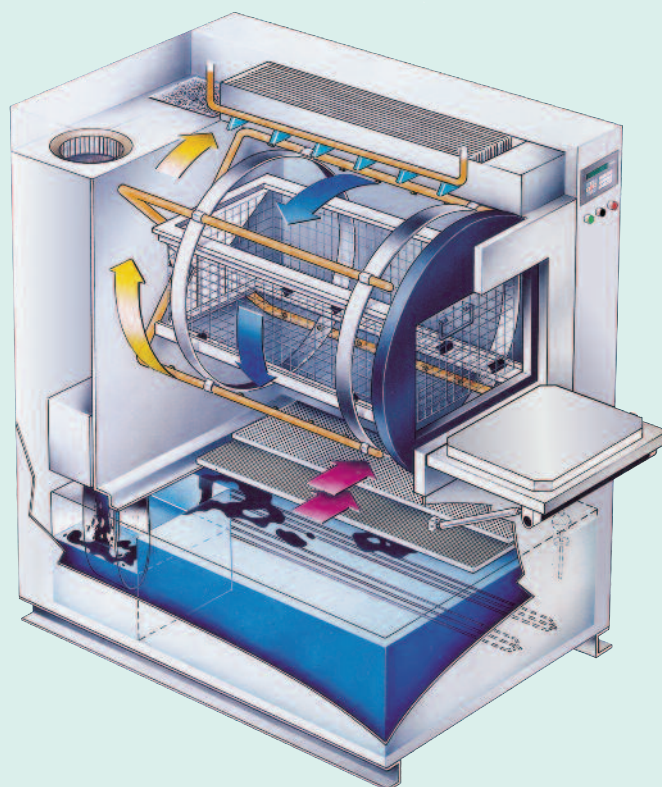


2012

Currently, MAFAC is one of the global market and technology leaders in aqueous parts cleaning. The success story dates back to 1963 when founder Ernst Schwarz started to manufacture vendor parts for neighboring engineering companies in Alpirsbach in the romantic Black Forest. The MAFAC factory was established in 1968 when the first assembly hall was built at the current company site. At that time, belt grinders were the company's main product. Very soon, however, the innovative family-owned business recognized the huge potential of industrial parts cleaning. In 1974, the cleaning systems division was established and continually expanded over the following years with a strategic vision and great innovative power. In 1991, MAFAC set new technological standards in aqueous parts cleaning when the SF 60.40 parts cleaning system was introduced to the international market.

With its novel, patented technology, this compact machine – the first of its type to comprise an integrated spray-flood cleaning system – opened completely new perspectives for industrial parts cleaning.

Based on the basket-and-nozzle rotation concept, which is still unique to this day, MAFAC offers a variety of premium-quality cleaning machines as well as comprehensive system solutions for a wide range of industries.







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## Global presence.

**Application support and service –  
fast reaction thanks to close proximity to our customers.**

At MAFAC, customers get much more than technologically sophisticated cleaning machines: We provide long lasting, stable process solutions for complex cleaning tasks. With patented process technologies combined with customized application support and fast service response, MAFAC provides clean solutions on all continents. Users benefit from our comprehensive range of services from process analysis to process consulting and optimization. With the help of various testing methods using different cleaning additives, wash cycles and temperatures, the process parameters are optimised to the individual conditions at your site. Our experienced application engineers will also gladly advise you in case of an increase of your cleanliness requirements, for example by suggesting options and accessories to retrofit to your machine. A reliable after-sales service complements our customer support portfolio: Thanks to our global network of technical sales agencies and our establishment in France, our service technicians are on call 24/6.

Presented by:

### **North American Partner**

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