

Press information

Company portrait

Purely on an aqueous basis – MAFAC sets parts cleaning in motion

MAFAC is one of the international leaders in the field of aqueous parts cleaning. Founded in 1968, the family-run company today manufactures a wide range of compact parts washers with a staff of around 90 employees at the Alpirsbach headquarters, relying on innovative processes and versatile products. MAFAC is known for its unique, patented cleaning process: the principle of counter-rotation of spray and basket receptacle system.

Today, the technical cleanliness of components is a key quality feature and significant competitive factor in virtually all sectors of industry. This means that industrial parts cleaning is a value-adding process. MAFAC aims at providing economic and future-proof solutions that meet the versatile, constantly increasing requirements in parts cleaning. Following this principle, the company has for 50 years been involved in improving part and surface cleanliness, offering process solutions based on compact serial machines, the standard model of which already meets the highest demands and can be tailored to individual customer requirements thanks to the numerous options available.

The principle of counter-rotation of basket and spray system on which the design of all MAFAC machines is based and which so far remains unequalled, achieves premium cleaning results. At the same time, this principle is energy-efficient and saves resources. MAFAC machines are used in almost all sectors of industry, primarily in the automotive and aerospace industry, in machine building, hydraulic engineering, electrical

engineering, metal-cutting production and in medical and precision engineering.

Continuous research for a high degree of innovation

MAFAC's strong commitment to research and development not only guarantees continuous improvement of the products in terms of quality, process reliability and economic efficiency, but also forms the basis of the company's technology leadership. This is evident from several pending patent applications. For its trend-setting development competence in aqueous parts cleaning, well-known universities hold MAFAC in high esteem as a research partner. Examples are the Institut für Textil- und Verfahrenstechnik (ITV) [Institute for Textile and Process Engineering] in Denkendorf or the ETA factory project (energy-efficient model factory of the future) of Darmstadt Technical University. This project involved the construction of a model factory, which unites different interdisciplinary approaches to reduce the energy consumption and CO₂ emission of an industrial manufacturing process.

Responsibility for people and the environment

Guided by the responsibility we feel for people and the environment, MAFAC has consistently stayed focused on aqueous parts cleaning. The aspect of sustainability is firmly rooted in our corporate values. Consequently, MAFAC not only focuses on the development of resource-saving and economically efficient machines and processes in accordance with the increasing demands in parts cleanliness, but also on the consistent enhancement of aqueous parts cleaning as such. Evidence of the resource-saving concept applied by MAFAC can be found in the patented method of the counter- or co-rotation of basket and nozzle system, the likewise rotatable drying and ultrasound technology, the all-round insulation of all MAFAC machines and in the MAFAC HEAT.X, the latest heat exchange model developed for holding tank heating by means of externally available heat.

Premium-quality cleaning technology all over the world

The MAFAC parts washers are developed and manufactured at the headquarters in Alpirsbach; sales and service are taken care of by our own sales consultants and a reliable network of global sales and service partner agencies. MAFAC has an export ratio of about 65 per cent. Through a network of technical sales partners all over the world, MAFAC provides competent consultants to support customers at home and abroad with individual advice and fast service for their applications. To carry out cleaning tests on MAFAC parts washers, the company is operating its own technical centre at the Alpirsbach site. Several sales partners abroad also offer the possibility of carrying out tests on MAFAC machines.

Individual service tailored to customers' needs

In addition to the premium quality of its products, MAFAC offers customers an extensive service package covering process implementation, support, and optimisation. During the preparatory stage, an experienced team of engineers and technicians defines the basic principles for the cleaning process by means of test series and test cleaning runs both at our own development laboratory and at the technical centre at our Alpirsbach site. This ensures that the cleaning process will be customised to exactly meet individual requirements. Even after a machine has been acquired, employees of the service department are available to provide advice and to maintain a state-of-the-art cleaning process or to gear it to new cleaning requirements in a reliable and economic manner. This also includes extensive training courses on cleaning technology as well as machine training courses.

Safety for the future!

Since 1993, the management of MAFAC has been in the hands of Rainer and Joachim Schwarz, the two sons of company founder Ernst Schwarz. At the beginning of 2017, the company management was extended by a second management level. Since then, a team of eight experienced employees has been responsible for commercial management, production, development and design, product management, marketing and sales, and customer support. Rainer Schwarz sees the new corporate structure as a

“strategically important step that will secure the company's future growth and sustainability.” On January 1, 2019, Joachim Schwarz retired from operational management after 35 years and handed over the technical management to Stefan Schaal. The 37-year-old mechanical engineer will now head the company jointly with Rainer Schwarz. Joachim Schwarz continues to be a managing partner and in this role is responsible for the strategic and sustainable development of the company as well as the strategic advance development and innovation of new products and processes.

Images on the company and its products can be found in the general image index of MAFAC.

About MAFAC

MAFAC is one of the leading manufacturers in aqueous parts cleaning. The company offers a wide range of compact series machines for a large variety of cleaning requirements tailored to customers' requirements, for example in the automotive and aerospace industry, in machine building, metal-cutting production, hydraulic and medical engineering, and in the electrical industry. All machines are developed and manufactured at Alpirsbach in the Black Forest, at present with a staff of more than 100 employees. Founded in 1968, MAFAC has been involved in industrial parts cleaning since 1974 and has focused on this field since 1990. The patented cleaning technology of counter- or co-rotating spray system and basket receptacle system sets new standards in terms of cleanliness and efficiency. The company is globally active with a network of technical agencies and a branch establishment in France.

For more information on aqueous parts cleaning and on MAFAC, please go to: www.mafac.de

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