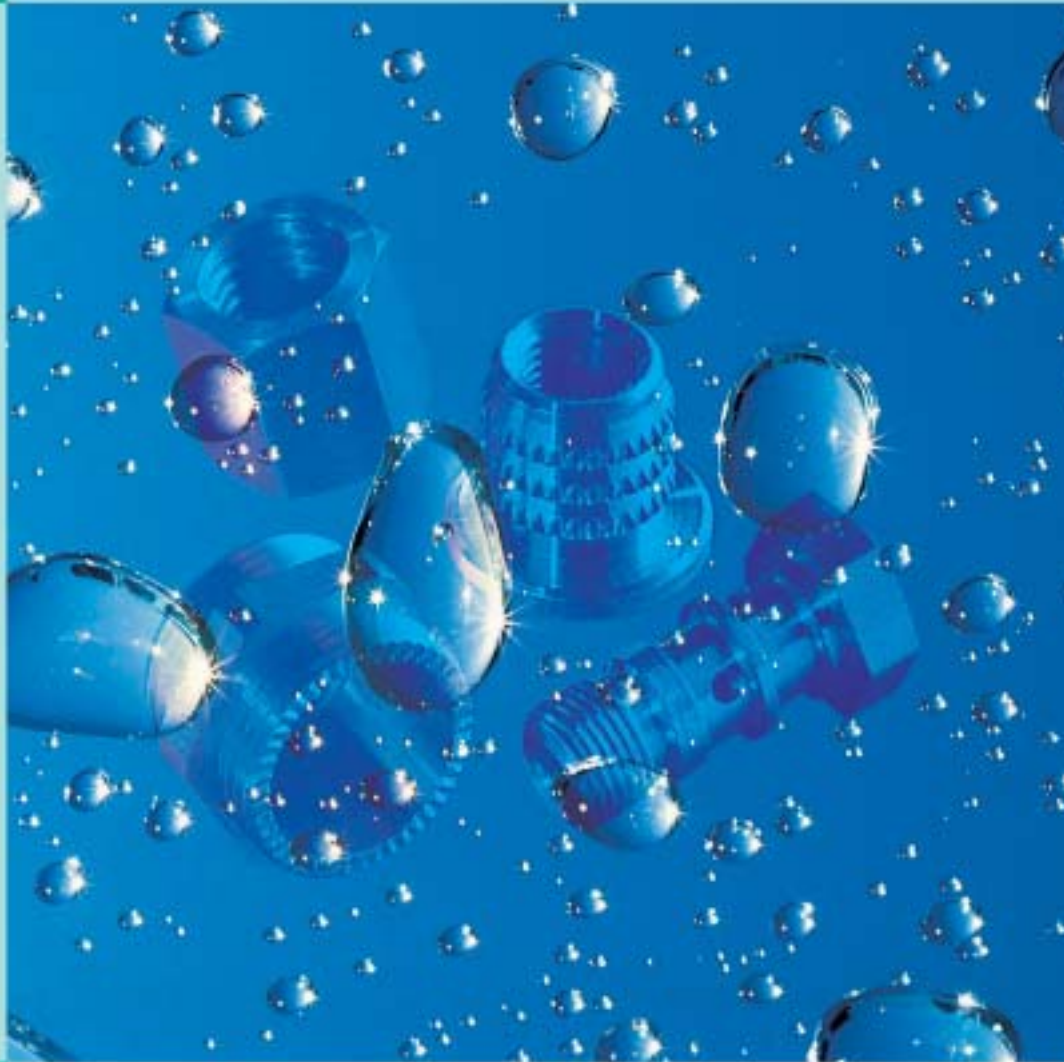


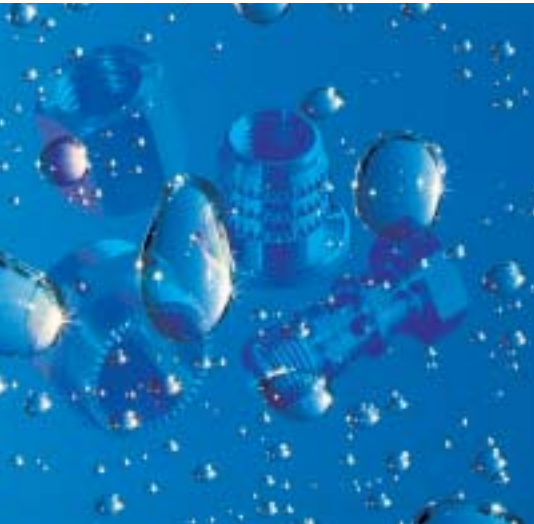
Product Overview

Systems for water-based parts cleaning.





Water-based parts cleaning in industry.



Increasingly strict environmental regulations affecting the cleaning of parts in industry have provided us with the motivation to provide solutions that satisfy both market requirements and our responsibilities towards the environment. We have drawn on both extensive experience and new ideas, the result being a range of compact cleaning systems with state-of-the-art patented process technology, for use in industry for both conventional and heavy-duty water-based cleaning. Clean and economical solutions are guaranteed by the optimal coordination of mechanics combined with treatment times, temperatures and minimum chemical additives.



Small.Compact. Highly efficient technology.

With a minimum of space, the follow-up model of the SF 60.40 cleaning system offers high-end, patented technology with various user-friendly benefits. The spraying system moves in counter-rotation to the rotating basket. According to the specific application the basket rotation can be switched off or changed to the rocking basket motion. Besides that, the spraying system is equipped with a flat beam of jets as well as a full beam of jets. This allows an impulsed and on-the-spot cleaning of workpieces as well as surface cleaning. An additional full beam of jets mounted on the rear of the treatment cell optimizes the cleaning process. A hot air pulsed blower system, through pipes removes excess solution and dries the parts thoroughly, the blower can also be alternately timed. The tank solution is constantly filtered, with the KEA's new coalescing oil separation system. For further optimization of the solution maintenance an extra filter for ultrafine filtration can be installed. This option makes sure that the smallest particles are removed off the cleaned parts. Despite its space saving dimensions, the KEA's solution tank holds an amazing volume of 385 liters. An especially user-friendly aspect of the KEA is its noise level. With figures of only 64 to 71 dB (A) it is exceptionally quiet.



High-quality parts cleaning by spray-flood cleaning technique.



The new JAVA parts cleaning system boasts a new design that is compact and integrates superb quality process engineering. The thorough cleaning action of the JAVA is especially facilitated by the spray cleaning system, which acts on all sides of the part. This ensures complete cleaning coverage, including the front and back sides. Another totally new feature of the JAVA is its spray-flood cleaning technique, whereby the treatment chamber is partially flooded up to 50 %. At the same time, the nozzles of the patented spray cleaning system rotate and spray water, both in the under-water and above-water zones. This ensures that even heavily soiled parts with complex shapes are stripped of grease and emerge completely clean.



Powerful dual wash tank system for work cells.

The end of your search is in sight with an ELBA industrial parts cleaner. The ELBA meets the most diverse requirements in cleaning industrial parts with a water-based system which is flexible and reliable. Metal working companies producing turned parts, mechanical workshops or automobile component suppliers profit from the advantages which ELBA offers, as do electro-plating, hardening or lacquer shops. ELBA has the answers for demanding applications: whether as a central cleaning location or in individual production cells. ELBA is a compact, user-friendly and environmentally friendly solution with a high performance. Special features include a dual wash tank system, integrated warm air drying, easy to use electronic control, digital text display. Simply enter and save your individual cleaning program without complicated codes and follow the wash cycle from the text display. A hinged loading door is standard on the ELBA. An alternative vertical sliding door is an available option, which can be combined with an automatic basket transfer system for fully automatic operation. With the MAFAC ELBA your cleaning process is more efficient. In accordance, your work cell benefits distinctively.



Compact three-tank system for the most demanding cleaning jobs.



For demanding cleaning jobs the MAFAC MALTA is best equipped. Besides the three-bath design with innovative drying technology, the MAFAC MALTA offers the additional feature that the treatment cell can be flooded during spray cleaning. Intensive cleaning of very difficult, complex shapes is thus guaranteed. The combination possibilities of the three-bath technology are amazingly versatile: precleaning, cleaning, post-cleaning, rinsing and preservative can be tuned to individual needs, problem-free, with simple programming technology. A wide range of options including ultrasonic equipment and vacuum technology enables a configuration of the system according to your highest demands.



Highly effective Spray-Flood-Cleaning with two tanks.

The compact cleaning system MAFAC PALMA is able to combine spray and flood cleaning during the wet phase. Thus in one process two sophisticated technologies are being used. This combination makes it possible to clean complex and at the same time sensitive parts thoroughly and reliably.

For the flooding process the PALMA is equipped with a quick-flood system by which the batch to be cleaned can be flooded to 100 % within 30 seconds. For flooding two medium tanks with 720 and 600 liters are at hand. By full beam of jets, on-the-spot cleaning as well as surface cleaning of parts is assured. The front of the batch is also washed thoroughly with an additional full beam of jets angled towards the batch. Thus the efficiency of the cleaning process is further optimized.

For the drying of parts the MAFAC PALMA is equipped with a water vapour condenser and with a hot air pulse blower system.



Standard features

KEA	JAVA	ELBA	MALTA	PALMA
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● = standard ○ = option - = not available *1 = with graphics *2 = with illumination
 ■ = graphical process visualization with touch panel, 5,5 inch or 12 inch

Cleaning of parts					
Patented high power cleaning system, rotating spray system and loading system	●	●	●	●	●
Flood-cleaning for complex shaped workpieces	-	○	-	●	●
Spray-flood cleaning at high turbulence rates, Flooding level programmable	-	○	-	●	●
Quick flooding of chamber	-	-	-	-	○
Ultrasonic equipment	-	-	-	○	○
Rinsing of parts after cleaning process for complete removal of rinse solution stains	-	-	●(1-fold)	●(2-fold)	●(1-fold) ○(2-fold)
Basket motion with extended control functions	○	○	○	●	○
Rocking function (angle programmable), control of basket rotation speed programmable (1-4 U/min)	○	○	○	●	○
Bath-heating with analog temperature control and thermal insulation	●	●	●	●	●
Drying of parts					
Rotating hot air pulse blower system	-	○	○	●	○
Stationery hot air pulse blower system	○	-	-	-	-
High pressure flow drying with hot air	○	○	○	○	○
Vacuum drying for complex shapes, infrared aided	-	-	-	○	-
Vacuum extraction system with water vapour condenser	●	●	●	●	●
Bath maintenance and other features					
Coalescing oil separator with maximum monitoring of the collecting pan	●	●	●	●	●
Swarf filtration in return flow	●	●	●	●	●
Mechanical ultrafine filtration in main current for fielding of small particles	○	○	○	●	○
Medium-conveying components made of stainless steel/plastic	●	●	●	●	●
Wash cycle visible via viewing port in the machine frame	○	○*2	●	○*2	○*2
Complete demineralizing unit to eliminate water content substances in main current	○	○	○	○	○
Program suit for time programming: 7 day timer, solution maintenance program for resting state	○	○	○	●	○
Automatical fill level control	●	●	●	●	●
Programmable user-friendly control system with full text display and	●	●	●	●*1	■
Front loading with automatically unlocking of folding door and glide plate	●	-	●	-	-
Vertical door unit, automatical	-	●	○	●	●
Automatic transfer system with buffer for baskets combined with loading and unloading unit	-	○	○	○	○
Some technical data					
Bath volume in total (liters)	385	490	775	1290	1320
Number of baths	1	1	2	3	2
Useable space for EURO baskets (600 L x 400 B x 288 H mm)	●	●	●	●	●
Useable space up to 660 L x 480 B x 340 H mm	-	○	○	○	○
Outer dimensions in mm					
Breadth	950	1100	1400	2100	2250
Depth	1200	1500	1830	2100	2300
Height	1500	1800	1800	2050	2050

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CREATIVE CLEANING

We would be glad to provide you with more detailed information on each of the systems mentioned.