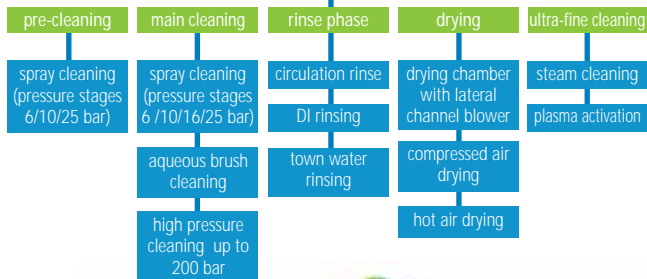


### Cleaning Processes



Because of the modular construction different cleaning processes can be combined and realized. Therefore, we are able to fulfil any kind of cleaning requirements in an economic way - it doesn't matter whether you are from the automotive-, the electronics-, the consumer-lifestyle- or the watch-industry.



# EWS/PWS

Inline-cleaning of the new generation

a new dimension of cleaning

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a new dimension of cleaning

# EWS / PWS – Inline-cleaning of the new generation

## Cleaning technology

Thanks to the newly developed generation of aqueous cleaning systems WK Systemtechnik offers a complete technology for continuous products as well as for individual parts according to the increasing requirements of the VDA 19 respectively the ISO 16232.

## Our know-how - your advantage

- An energy-efficient and environmentally friendly technology
- A new treatment chamber technology
- A well thought-out concept of the medium circuit without hidden nests of dirt
- A particle filtration without bypass including electronic differential pressure monitoring
- An integrated oil separator with emulsion breaker
- An easily maintainable system construction
- A robust mechanical engineering; made out of stainless steel
- A reduced noise level
- A safe and user-friendly operation

The manufacturers of cleaning systems constantly have to offer more complex solutions to meet the increasing quality standards of components. WK Systemtechnik develops and manufactures new aqueous inline cleaning systems which can be adjusted individually to your production sequence and your product/ product family.

Over the last years the aqueous cleaning technology has asserted itself in the field of cleaning of industrial parts as the most frequently used procedure. The system technology also has to be able to react flexibly to various challenges such

as the highly complex component geometry as well as the increasing quality-, functional- and cleanliness-requirements. Moreover, it is a decisive advantage to use the harmless cleaning medium instead of the solvent. Furthermore, this procedure only costs a fraction which makes the system technology comparatively cheap.

Because of the pressure from rising costs the automation of manufacturing processes is constantly increasing. As a result, the cycle time is minimized. The components have to be cleaned inline, directly in the flow of production to be able to fulfil the quality standards, to close the quality control loop and to take direct measures in case there are any variations in quality.

WK Systemtechnik offers an aqueous inline cleaning system with closed cleaning cycles, bath preparation systems as well as oil and particle filtrations for efficient manufacturing processes such as intermediate cleaning, deburring, main cleaning and ultra-fine cleaning for instance quality inspection, painting, coating, bonding or mounting. Furthermore, the systems are built according to the newest environmental requirements. Therefore, an extraction chamber with an integrated condensate separator is used as well as a heat exchanger which takes the waste heat of the drying section to heat the cleaning container.



EWS 100



Cleaning chamber



Inline-cleaning chamber

## Technical data EWS 100

- Dimensions (one-module) 1530 mm x 1400 mm x 2300 mm (w x d x h)
- New cleaning chamber technology
- Oil separator by means of emulsion breaker
- Extractor with condensate separator
- Automatic adaptation to the production speed
- Operation via mobile panel Ethernet/ Profinet/ Profibus/ Interbus



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