

Cyclic Nucleation Process

Directly on the Surface:
The New Quality of Cleanliness with the Process – CNp



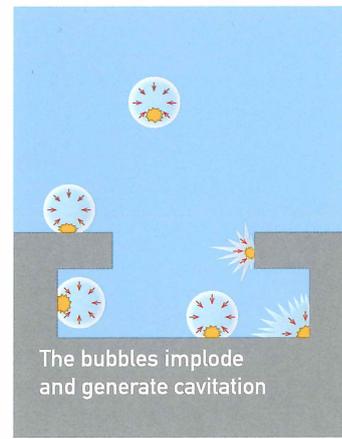
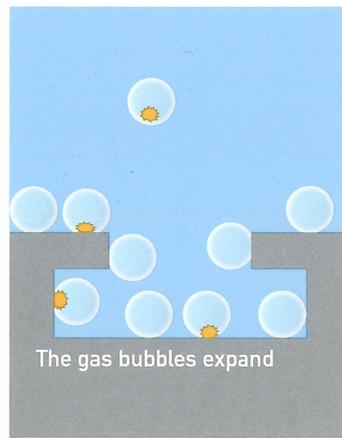
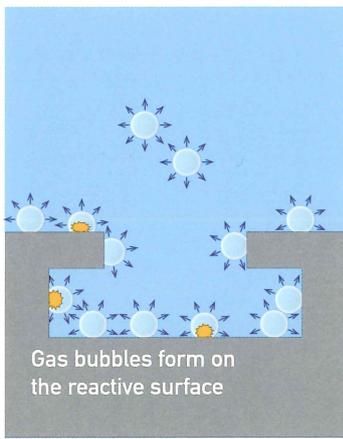
The new cleaning process, CNp, expands the range of component cleaning in all areas of industry, providing services such as the following:

- Cleaning capillary structures (e.g., bulk parts, tubes, holes).
- Industrial component cleaning in cases of particulate or film contaminants.
- Industrial component cleaning on functional coatings.
- Cleaning a very wide range of different materials – including plastics.

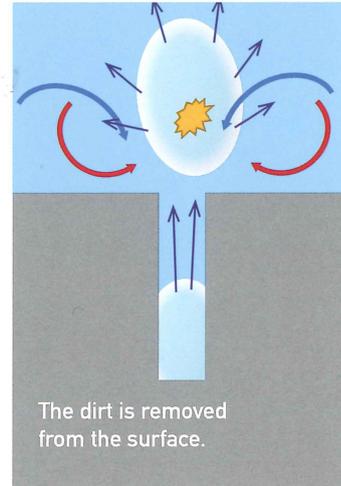
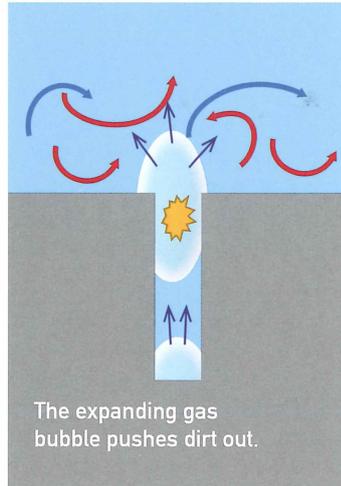
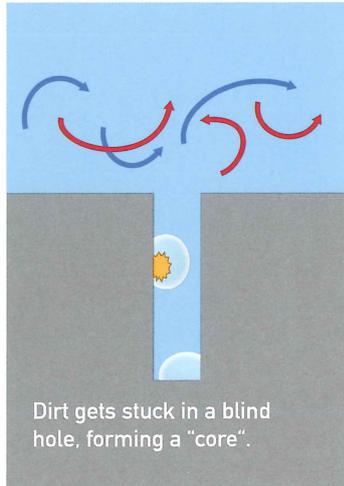
This intensive cleaning method is used in general industry and in the automobile industry as well as in medical technology, optical engineering, and the semiconductor industry. It opens up entirely new possibilities. Moreover, CNp can be combined with all the commonly used process parameters of industrial cleaning technology. This applies with regard to selective movement of goods (rotating, swiveling, interval swiveling), or in connection with various spray, flood or ultrasound processes.



PRODUCT
PRODUCT



Due to the isostatic distribution of pressure change in the cleaning fluid, Cyclic Nucleation is highly effective in cleaning difficult geometries like undercuts and narrow channels.



The asymmetrical change of volume creates a pumping effect ensuring the exchange of media in capillaries and holes helping to remove impurities.

WHAT IS CNP?

CNP stands for Cyclic Nucleation Process. It makes it possible to clean capillary structures, complex three-dimensional geometries, blind holes, and areas that are covered up. Cyclic Nucleation is a cyclic phase transition in water as a cleaning fluid. As a cleaning mechanism, cavitation is generated in the fluid. This occurs by mechanically created pressure changes that also go far down into the reduced pressure area. An asymmetrical current is thereby also created in the vacuum chamber. As this phase transition occurs on the interfaces (surfaces), the cleaning work is completed extremely effectively and gently at the same time.

USAGE

Next to traditional methods of cleaning, the patent-pending process of Cyclic Nucleation is the technology of the future to meet the demands of thorough cleanliness. CNP can also complement traditional cleaning methods to increase the effectiveness of cleaning so that in critical areas the cleanliness required can be ensured. This is something you can rely on!



More than cleaning

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Also visit our YouTube channel at

<https://www.youtube.com/watch?v=CQjbxBOGHwI>

(tube cleaning CNP) or arrange a trial appointment at our site in Germany.

