

HAKUPUR 700 D - One cleaner for numerous applications

In most industrial companies, the production areas are so diverse that it is often unavoidable to use different cleaners for different applications. A new water-based cleaner covers a very wide range of cleaning tasks.

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The processing of different materials in different machining processes with corresponding cleanliness requirements - this scenario is characteristic of numerous industrial companies today. It requires the use of different media in cleaning.

Cleaning tasks with specific requirement

The spectrum ranges from simple cleaning processes between the processing steps through to final cleaning before installation or storage of the treated parts. Here the cleaner should dry up as free of spots as possible and offer good protection against corrosion.

In other areas, such as in hardening shops, there are additional requirements for the cleaner. When quenching, large amounts of oil are introduced, which must be separated / demulsified as quickly and thoroughly as possible so that the cleaning quality remains as constant as possible over a long period of time. In the cleaning process prior to most heat treatments, it is important that the cleaner does not leave any residue that could create barriers on the cured surfaces.

With high-pressure deburring, the prerequisite for the cleaner used is that it works foam-free even at pressures > 600 bar, has a high-pressure-stable surfactant structure and is well tolerated by the sensitive high-pressure pumps.

Furthermore, it is not just one type of substrate that is cleaned, but a wide variety of surfaces or even composite materials. There should therefore be good compatibility with as many different surfaces as possible.

New cleaner covers a wide range of tasks

To cover the complete spectrum of cleaning tasks with only one product is the wish of many companies. CWK has developed the HAKUPUR 700 D, a water-based cleaner that comes very close to this goal. It is a boron-free cleaner that can be used in a wide variety of cleaning processes at temperatures of 20 - 80 °C without the formation of disruptive foam.



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The new water-based cleaner covers a wide range of applications and should also enable energy savings.

Proven in use

HAKUPUR 700 D is already in use at a large automobile manufacturer. Among other things, camshafts are cleaned there using the following procedure.

The washing process runs unheated at 100 - 120 bar. With a concentration of 2 - 3% cleaner, the camshafts are washed in six to eight seconds without any further anti-corrosion treatment. The parts are then blown dry and measured.

In this process, HAKUPUR 700 D is characterized by its very good corrosion protection, minimal drying and excellent cleanliness values.

By switching to HAKUPUR 700 D, the bath life could be significantly extended in all systems. Despite the unheated operation, there were no signs of biological contamination of the systems.

Another customer in the agricultural machinery industry uses HAKUPUR 700 D in housing production. Two high-pressure water jet deburrers with integrated low-pressure cleaning are used there to blast partially primed inner housings and covers.

With previous products, there were repeated system downtimes due to foam. This phenomenon is counteracted by special additives in HAKUPUR 700 D, so that the service life of the system, which is operated in three shifts, can be significantly increased without system downtimes.