

Your application: Cleaning of polished parts



The surface treatment of components by polishing is made in most cases by use of a help medium such as polishing paste or gliding abrasive compound. To be able to remove these media in the consequence process optimally, it is particularly important to know the composition of the auxiliary materials. Your paste manufacturer can give you information about, which of its products water-soluble and which one is solvent-soluble. The choice of the cleaning system then results from it. The special difficulties lie less in the cleaning of the parts (ultrasonic is almost always required), then in the cleaning of the solvent, cause the filtration of the fine dragging particles is very difficulty.

Recommendation 1: parts cleaning with Perchloroethylene

Process stability: Distillative solvent recycling assures a continuous high parts quality.

Universal: Perchloroethylene is - without exceptions - optimal for degreasing all types of metals.

Fast: Perc has best infiltration and drying abilities and solves optimally also thicker layers of dried (solvent-soluble) polishing pastes.

Compact: Perc-plants are delivered as completely closed systems: exhaust air free, waste water free.

Neutral to environment: Perchloroethylene is a safe product to master. Dangers for human and environment are not latent when careful used. Product handling is done with well proofed safety transport and storage systems.



Recommendation 2: parts cleaning with aqueous medias

Water-soluble pastes: Water-soluble polishing pastes or water based gliding dragging media can be removed meaningfully exclusively with aqueous media.

System solution: Also aqueous plants are delivered as compact, fully wired units. On request incl. all required processing systems for the stand time prolongation and quality management.

Operating costs: Aqueous systems need for an effective processing of the cleaning media more energy than solvent-plants.



Alternative: parts cleaning with non-halogenated solvents

Degreasing quality: Non-halogenated solvents always leave a thin film on the parts surface, that means that the surface quality is remarkable lower than using Perc. An internal recycling (distillation) is possible within limitations.

Top performance-oils: A-III solvents are not applicable to clean off high additive top performance oils containing sulphur and chlorine components. These will result during distillation to irreversible acidifications of the solvent.

Safety: Non-halogenated solvents are inflammable! Plant technology and also plant environment have to fulfill the requirements of ATEX resp. other safety rules.

Environmental aspects: Non-halogenated solvents are like CHC volatile compounds (VOC) with negative influence on humans and environment. In contrary to CHC-plants the plant for use of non-halogenated solvents need a chimney!

