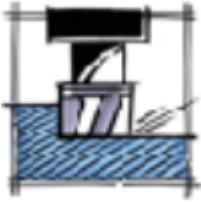


## Your application: Cleaning of CNC-finished parts



Many components of the automotive and the mechanical engineering are manufactured by means of modern CNC processing methods. E.g. the processing of the function areas of cast parts or the production of complex components made of full material (e.g. Hydraulics blocks). CNC-finished parts are in general suitable for the batch cleaning in special workpiece straps. By the CNC-production process the parts are polluted with cooling substances (KSS), mostly aqua based (emulsion). In addition there are pollutions with abrasion and chips.

### Our recommendation: parts cleaning with aqueous medias

**Advantage emulsion:** According to the principle 'same solves same' emulsion full parts are preferably be cleaned with aqueous solutions.

**Free of spots:** With an integrated DI-water rinse the components can be dried free of spots

**Easy drying:** CNC-finished parts are in general optimally suitable for a fast and economical drying under vacuum.



### Alternative: parts cleaning with solvents (CHC / non-halogenated HC)

**Compromise:** If mainly oily parts shall be cleaned and emulsion only occasionally is typed in, solvent based plants can represent a compromise. Presupposed the following restrictions not disturb:

**Emulsion spots:** Cleaning emulsion full parts with solvents (CHC / non-halogenated HC) always leave more or less distinctive spots for, particularly at dried emulsion.

**Restricted water input:** Caused by the low system pressure a high water-/emulsion entry can cause malfunctions in plants for non-halogenated HC.



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