

Title	Development of a software tool for virtual cleanability test
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Summary paragraph	Software for design of automated spray cleaning with a large number of nozzles using static and rotating tank cleaners with complex spray patterns. Real-time calculation of the cleaning effect of spray systems show the effect of modifications in nozzle type, position etc. as well as a redesign of the cleaned assembly.
Novel/notable aspects	Simplified simulation of spray cleaning by CAD and ray tracing
Flow key words	Nozzle's spray pattern on complex parts
Cleaning type key words or Research topic	Simulation of complex spray cleaning systems
Field/background	Food industry, pharmaceutical industry
Theory/method/analysis key words	Virtual coverage test by means of CAD, optimisation of cleaning systems