

New Possibilities for Optimized Cleaning and Disinfection at the RISE Testbed Cleaning Innovation

Mikael Kjellin, Maria-Lundin Johnson, Lubica Macakova,
RISE Research Institutes of Sweden AB, Box 5607, SE-114 86 Stockholm
mikael.kjellin@ri.se

Cleaning Innovation is an open and neutral test bed at RISE Research Institutes of Sweden providing independent evaluation of technologies, chemicals, materials, equipment and methods from laboratory to industrial scale. This presentation will focus on measuring cleaning and disinfection using different techniques. Results from a project conducted during the past year within Cleaning Innovation will be presented. In this project well-chosen formulations have been used to understand which ingredients, e.g. surfactants, complexing agents, or ingredient combinations that are effective on various types of soil. The project has also characterizing the cleaning and disinfection effect with different techniques. We will also present different ways to use the QCM-D methodology for measuring soil removal, glass etching, and disinfection.