

50% of bottle washers are over-using resources



Challenge

The recovery and reuse of glass and plastic bottles is one method of reducing waste in the food and beverage industry. However, to ensure that the returned containers are fit for re-use, you must use significant resources such as energy, water, and chemicals in your bottle washing process. A Diversey study recently found that in 50% of cases, one or more of these inputs were being over-utilised leading to wasted resources and unnecessary costs*.

In addition, your returnable bottle fleet is a significant investment, which needs to be continually replaced when bottles come to the end of their lifespan. Typically, your bottle life will range from 20-40 trips depending on a number of factors. Optimising the bottle washing process can increase bottle life by 25%, helping to reduce your overall glass consumption.

Solution

Using Diversey BWCheck, we will help you to measure your use of utilities, chemical and time in the bottle washing process, resulting in an action plan that can deliver immediate returns in productivity and utility savings. In many cases, implementing changes as a result of a Diversey BWCheck also helps improve process efficiency, hygiene standards and can even extend the life of your bottle fleet.

Value



With Diversey BWCheck you can:

- Determine whether incremental improvements will improve efficiency and be a viable option to reducing the total cost of operation
- Prioritize areas of improvement and take action
- Benchmark your business against industry performance using Diversey BWCheck's analytic tools
- Ensure that the chemical solution in place is suitable for the soils present
- Limit wear to your glass while ensuring a consistent, repeatable clean



Process

Improve your cleaning results, optimise resource use and extend the life of your bottle fleet with Diversey BWCheck.

With Diversey BWCheck's focus on the technical, environmental, and economic optimization of Bottleshaker installations:

- We will help you discover if your bottle washer is over- or under-performing and determine whether a full Diversey BWCheck will result in meaningful improvement.
- Our service team will conduct a detailed probe into the bottle washer to assess the system design, audit your current cleaning procedures, review the sustainability impact of the cleaning chemistry, and monitor utility usage.
- As necessary, we will conduct additional assessments into the cleaning result, including compliance with microbiological standards and address specific soils or allergens.
- You'll receive an analysis benchmarking your performance against industry standards and a detailed report identifying areas of improvement.

Following the Diversey BWCheck, you'll receive recommendations based on four pillars:

- Effective and efficient hygienic design
- Cleaning efficiency
- Water, energy and chemical efficiency
- Time and usage efficiency

Your operational efficiency and total cost of ownership will be positively impacted as a result of Diversey BWCheck's clear, structured process that identifies and prioritises improvement actions.



Diversey Services

BWCheck is one solution within the Diversey portfolio of Knowledge-based Services. These services are designed to help you address food safety and operational efficiency challenges while reducing total costs. Our application specialists carry out a systematic CHECK, so you will have confidence that the service will deliver real value to your operations. Then, our monitoring services will collect the data for you to benefit from a detailed initial and on-going ANALYSIS of your performance against historic and industry benchmark data. Because the result is a tailored action plan, which can then be implemented with help from the Diversey team, you'll be able to SOLVE critical challenges that will help you make the biggest impact on improvements.

Case study



Location:

Brewery in India processing 330 ml bottles

Challenge:

Poor label removal

Solution:

The initial Diversey BWCheck identified improvements beyond the chemicals being used to optimise the bottle washing efficiency. The implementation of the recommended corrective action improved washer efficiency 60% and improved label removal 20%.



60%

improvement in
washer efficiency



27%

increase in
bottles per hour



10%

reduction in
caustic use



20%

improvement in
label removal

When you initiate an BWCheck, our sector specialists won't be satisfied with just providing a report – they will help you maximise ROI and optimize your savings and efficiency best by working with you as a partner to define, implement and manage projects. Contact us today to get started:

www.Solenis.com/diverse-y-kbs



*Bottle washer data based on Diversey experience. All facilities are different. The impact for your site will be calculated as part of an initial Diversey BWCheck scan.

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