

### One Global team for your local needs: Ecoclean's cleaning solutions in practice

When it comes to cleaning and surface processing there is one thing that is certain: clean is not equal to clean. The expectations on cleanliness differ from industry to industry, from company to company and sometimes even from part to part.

While engine plants and remanufacturers for example rather aim to enhance availability and efficiency through cleaning systems with fast turnaround times, companies in the medical field are obliged to use precise cleaning solutions to follow high hygienical standards that can often decide over life and death.

We at the SBS Ecoclean Group are aware of these individual requirements. That's why we work every day on new technologies and services to meet the individual needs and production processes of each of our customers. To assure this on a constantly high level, our 12 locations are supported by to global Centers of Competence located in Germany.

In the following, we want to glimpse into three customer stories and show you examples of how Ecoclean's products and services can be adapted considering local and industry related requirements.

Enjoy reading!

## Volkswagen Sachsen, Germany: Fine-cleaning in accordance with high-tech workflows and sophisticated assembly lines



Modern engine plants are equipped with high-tech machining centers and technically demanding production lines, especially designed to ensure maximum plant availability at low cost. When Volkswagen Sachsen GmbH's Chemnitz-based engine plant added a second production line for approximately 1,200-cylinder crankcases, the company was therefore faced with the challenge of integrating new processes into the existing workflow without jeopardizing the currently high level of productivity.

Since the previous cleaning technology had already reached its limits, an alternative solution had to be found: The EcoCflex 3M robot cell by Ecoclean. Its Ecoclean exclusive' CNC-controlled SCARA-Manipulator is developed specifically for enhanced plant availability in the wet section of parts cleaning systems and facilitates the process integration into existing workflows.

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## Brasseler, Germany: Value-adding cleanliness in medical equipment manufacturing

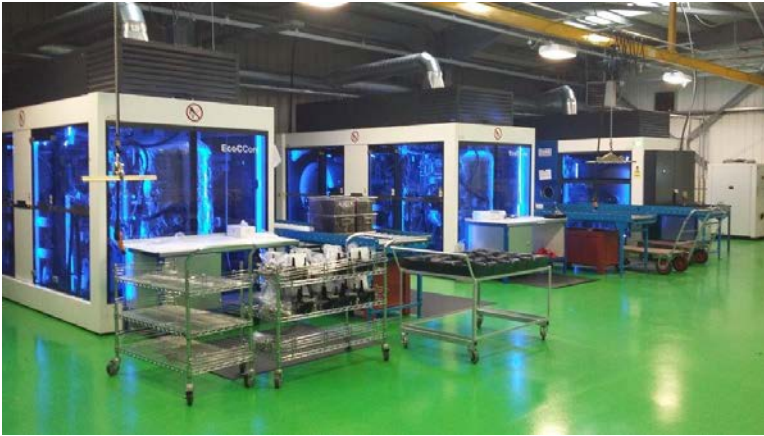


In dentistry and human medicine, instruments need to be sterile whenever they are used – too high is the risk of contamination and its consequences for patients. Hygienically clean medical equipment is indispensable. By supplying these so-called critical items in an already sterilized state, Gebr. Brasseler GmbH, a German manufacturer of medical instruments and equipment, offers an additional customer benefit.

The implementation of a new comprehensive cleaning and packaging solution developed by Ecoclean and UCM made this possible. It includes in-process as well as final cleaning and features fast and efficient solvent-based as well as ultra-fine cleaning. This way, nearly 950,000 medical components are intensively treated every day and at the same time prevented from re-contamination.

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## ATP Industries Group, UK: Remanufacturing vehicle parts as clean as new



Worn-out vehicle transmissions are usually remanufactured to save raw materials, energy and costs. In order to be in line with the high-quality standards that are the same as for new materials, all components of a reconditioned unit must be as good as new – both technically and visually. Facing this challenge and in search for a resource-saving cleaning solution, the British transmission remanufacturer ATP Industries Group switched from an aqueous cleaning process with numerous manual interventions to a fully automatic cleaning in three closed systems running with non-halogenated hydrocarbons. This solution provided by Ecoclean not only further optimized product quality but also led to higher cost-efficiency and a cleaner work environment.

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