

Revolutionizing Bacteria Detection: Rutland Plastics Collaborates with FreshCheck

Science Meets Manufacturing: Rutland Plastics Partners with FreshCheck, an Imperial College London Startup, to Enhance Bacteria-Detecting Swab



Oakham, England Jul 12, 2023 ([Issuewire.com](https://www.issuewire.com)) - Rutland Plastics, a leading manufacturer in the [Injection Moulding](#) industry, proudly announces its recent collaboration with FreshCheck, an Imperial College London startup, to revolutionize the manufacturing process of a breakthrough product that combines science and hygiene. The partnership resulted in the development of an innovative bacteria-detecting swab that has the potential to transform surface hygiene practices across various sectors.

FreshCheck, founded in 2015 by Dr. John Simpson and Alex Bond, specializes in harnessing the power of a dye that changes color in the presence of bacteria. Initially conceived as a food label application, the technology quickly garnered attention for its potential in various commercial sectors, including healthcare and hygiene testing. However, navigating the path to market success proved challenging, with FreshCheck having to adapt to customer feedback and the impact of the COVID-19 pandemic.

Recognizing the immense potential of FreshCheck's technology, Rutland Plastics joined forces with the

startup to refine the design and manufacturing process of the bacteria-detecting swab. Leveraging its expertise and experience in design for manufacturing, Rutland Plastics worked closely with FreshCheck to optimize the swab's functionality and cost-effectiveness.

By collaborating with expert partners, including the Manufacturing Technology Centre, Rutland Plastics and FreshCheck perfected a two-tube arrangement that seamlessly combines the swab and the color-change liquid, ensuring ease of use and accurate results. Additionally, Rutland Plastics partnered with FreshCheck to enhance the overall design, paying meticulous attention to details such as the cap's functionality, making it effortless to remove and replace.

Throughout the development process, both companies prioritized market testing to ensure the swab's viability as a replacement for existing products. FreshCheck engaged with prominent food manufacturers, as well as smaller establishments like a local pizza restaurant in London, to guarantee broad appeal and compatibility with a range of businesses.

The collaboration between Rutland Plastics and FreshCheck exemplifies the power of partnership when science meets manufacturing. Through close collaboration and the application of cutting-edge manufacturing techniques, Rutland Plastics contributed to the enhancement of FreshCheck's already impressive bacteria-detecting swab, making it commercially viable and readily available in the market.

FreshCheck's success story, including their journey and the science behind their breakthrough technology, is available on the Imperial College London website.

About Rutland Plastics: Rutland Plastics is a leading manufacturing company specializing in Injection Moulding and allied services. With a strong commitment to customer satisfaction and a focus on leveraging cutting-edge manufacturing techniques, Rutland Plastics has established itself as a trusted partner for businesses across diverse industries.

For More Information:

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