

LumiSpa

Nu Skin



New science enabled an exciting innovation for Nu Skin. But to deliver a market-ready product, they needed a range of expertise and cross-collaboration from Sagentia Innovation.

Expertise and domain knowledge

- Product design
- Applied science
- Mechanical engineering
- Data analytics
- Sensors
- Consumer testing
- Consumer



Our client asked:

Nu Skin had a vision to develop a smart device—a game-changer—in the personal care landscape. In order to achieve this, the device they developed needed to be underpinned by compelling technology, quality engineering, robust science, and engaging design.

The project story:

Nu Skin's laboratories had been testing different manipulations of skin in order to produce tangible cosmetic benefits. With positive lab results in place, they engaged with Sagentia Innovation to characterise this discovery, translate the findings into reality, and develop an elegant, spa-like device to the consumer. It was important to create a device which would fit seamlessly into their customers' routine, and offer an enhanced cleansing experience unachievable with formulation alone.

Our applied science experts created synthetic skin which could be used for the testing and verification of prototype designs, while our engineers designed experiments and used high-speed cameras to look at how the skin was manipulated.

With its medical-grade silicone surface, the treatment head moves at a precise frequency to promote dynamic skin renewal for smoother, softer feeling skin after just one use and its embedded silver antimicrobial prevents bacteria build up.

Our mechanical engineers and designers worked together—testing and challenging each other—to create a device that not only looks beautiful, that customers want and find easy to use.

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Results: deliverables and outcomes

The LumiSpa incorporates smart features which adjust to user behaviour and ensure they get the most from the product. Proprietary algorithms, which learn user behaviour, were written into LumiSpa. The result is a product which adapts to the user, giving them maximum benefit with a personalized touch.

Built-in smart features and embedded sensors alert the user when they need to move the device to another part of the face. And for safety, the device will stop if the user applies excessive pressure against the skin or moves too quickly.

Nu Skin were—and continue to be—impressed with the level and depth of science behind product development. Science drives the testing we do and informs the development process ensuring intelligent evaluation of results. This increased the efficiency of the tests conducted throughout the process meaning progress was quick and reliable. Nu Skin could therefore be confident in the conclusions gathered and the recommended next steps. The LumiSpa is successfully launched to market and has won the NewBeauty Award for Best Cleansing Device for 2020 and 2021.

“Working with Sagentia Innovation means we can make significant strides forward with the development of our cosmetics devices. The teams at Sagentia Innovation have a passion for what they do and a scientific insight that has ensured we continue to be a game changer in our sector.”

Director, Nu Skin