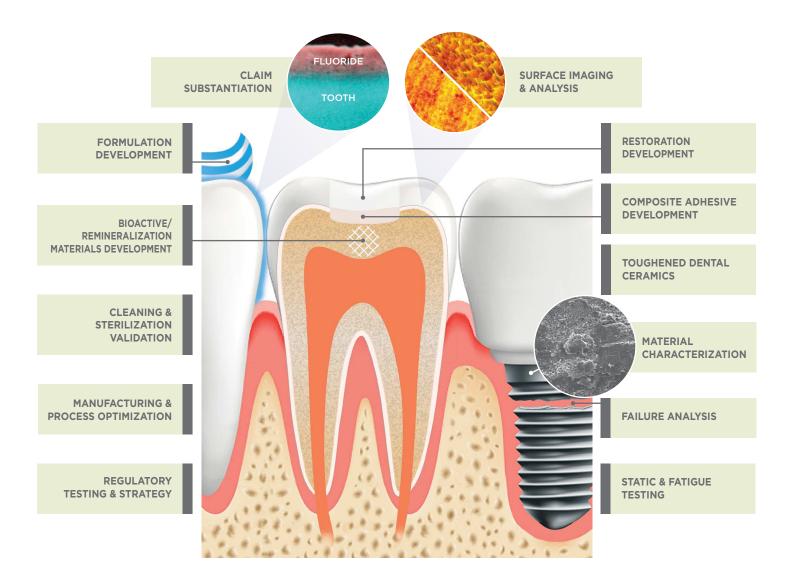


DENTAL SERVICES



CLAIM SUBSTANTIATION

If you've developed a product that outperforms those of competitors, or a formulation which delivers novel benefits, then scientific proof of the advantages of your product can offer a strong marketing differentiator. We help prove the efficacy of products and their benefits through independent testing, advanced analytical techniques and novel method development.

FORMULATION DEVELOPMENT

Whether you are developing a new formulation or changing an existing one, our materials experts can help with development challenges such as stability and the rheology of products.

BIOACTIVE/REMINERALIZATION MATERIALS DEVELOPMENT

Bioactives will form a big part of the next generation of dental products. With added functionality, bioactive materials can help to repair, protect, and provide other patient benefits such as pain and discomfort relief. We have focused research in this area and are assisting manufacturers to develop their future solutions with our technology expertise.

CLEANING & STERILIZATION VALIDATION

Whether it's single-use or reusable, dental devices, implants and instruments need to be clean and sterile for use. Lucideon's cleaning and sterilization validation service ensures your processes and reagents clean your products effectively and meet regulatory requirements.

MANUFACTURING & PROCESS OPTIMIZATION

Every stage of manufacturing and processing can affect your final product quality and increase costs. At Lucideon, we have the expertise to optimize each stage to ensure you get your desired outcome and achieve the highest levels of efficiency throughout.

REGULATORY TESTING & STRATEGY

If you need to prepare for regulatory submission, it helps to have the people in the know on your side. Our team has the industry insight and regulatory experience to help guide you through the complexities of gaining market access in the USA, Europe and beyond.

SURFACE IMAGING & ANALYSIS

The surface of a material is a crucial part of its makeup, giving it functionality, performance properties, texture and aesthetics. Lucideon's surface science team provides quantitative and qualitative surface analysis, producing scientific conclusions that are supported with visual and data evidence.

RESTORATION DEVELOPMENT

We provide consultancy and testing services to support the development of your restorations. If you are looking for mechanical testing or material selection, characterization or formulation consultancy, then our expert insight can help to accelerate and optimize your development process.

COMPOSITE ADHESIVE DEVELOPMENT

Our adhesive development consultancy offering includes analytical chemistry and material property characterization, to help you develop the properties required for your adhesive's applications. Our experts also help develop composite adhesives and troubleshoot development issues.

TOUGHENED DENTAL CERAMICS

Dental implants and prosthetics need to be robust to withstand the relatively harsh mechanical and chemical conditions of the mouth. Ceramic materials are strong, biocompatible and largely unreactive, making them popular in dental applications. Lucideon's sintering technology has allowed its experts to focus on toughening advanced ceramic materials for use in dental devices.

MATERIAL CHARACTERIZATION

In dental applications it is important to understand your materials, their composition, key properties and how they behave. We provide the answers with qualitative, quantitative and visual data to give a complete picture of your materials.

FAILURE ANALYSIS

Lucideon performs extensive testing to predict and reduce the risk of failure in application. We also perform root cause investigation of failures, as well as recommending corrective actions.

STATIC & FATIGUE TESTING

Dental materials need to withstand a lot, from microbial and chemical attack to mechanical wear. We can simulate the environments of the mouth and the typical mechanical movements (and non-typical movements for specialist products) to determine how your products will perform in-situ.