



Building a Frictionless Future





Background

Based on the science of liquid-impregnated surfaces, LiquiGlide designs lubricious coatings for medical and pharmaceutical devices, packaging, container closure systems, and biologics and chemical processing equipment. LiquiGlide's technology has been proven to enhance the performance of a wide range of applications, including thrombosis and biofilm prevention for vascular access and implantable devices; easing insertion of surgical products; enabling high viscosity and silicone-free drug delivery devices; enhancing drug stability in primary container closure systems; virtually eliminating waste in chemical and pharmaceutical processing equipment including biologics; and preventing protein and cellular adhesion for in vitro processing, amplification, and diagnostics.

LiquiGlide's coatings can be optimized for use with plastics, metals, and glass surfaces of any geometry, and to function under demanding environmental conditions, all while meeting rigorous sterilization and regulatory requirements. By reducing friction, adhesion, and waste, LiquiGlide's coatings provide a superior customer experience and a meaningful impact to your bottom line.

Products & Services



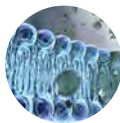
Coating and process development & implementation



Preclinical model development & testing



Medical device performance enhancement & testing



Protein, bacterial, and cellular adhesion/proliferation testing



Shelf life, shipping, and biocompatibility testing



Package Design Consulting



Product Formulation Consulting



Brand Enhancement



Brand Creation

Industries We Serve



Medical Devices



Oral Care



Pharmaceuticals



Manufacturing



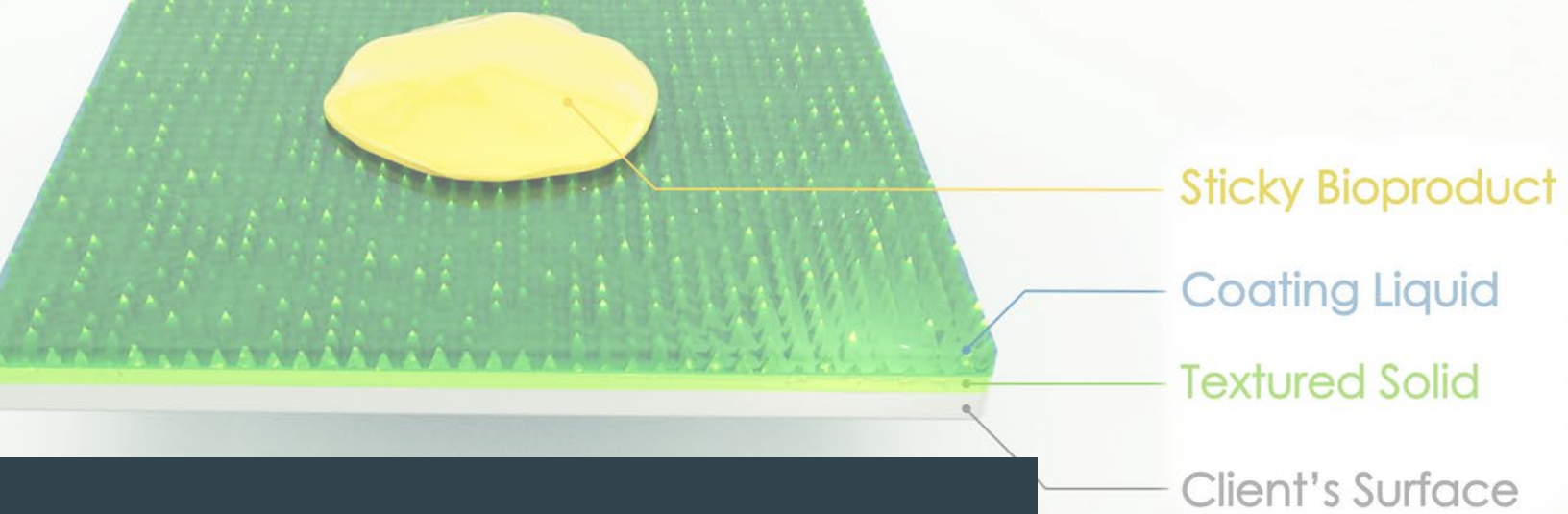
Consumer Products



Bioprocessing



Laboratory & Diagnostics



Our Technology

LiquiGlide's frictionless technology aims to improve patient outcomes and experiences in medical devices, drug processing and delivery, and numerous other biomedical applications. Our versatile coatings can be custom designed to adhere to a variety of surface materials and survive a range of environmental conditions while meeting applicable regulatory requirements.



SUPER SLIPPERY



DURABLE



CUSTOM DESIGNED



SAFE



SELF-HEALING

LiquiGlide Biomedical Device Master Filing

The U.S. Food and Drug Administration (FDA) has accepted a Device Master Filing (MAF3464) for LiquiGlide's biomedical division. This registration provides an additional level of quality assurance and makes it easier for our partner companies to integrate our product into their workflows and obtain approval for new medical products that utilize our first-of-its-kind patented technology.



Biomedical + LiquiGlide



Medical Devices

LiquiGlide's friction-reducing, safe, and environmentally friendly technology can be used to enhance the performance of a wide range of medical products, including vascular access and implantable devices; surgical products; medical device instrumentation, and processing; and biomedical packaging. Benefits of our technology include: enhanced lubricity, ease of insertion, improved patency, thrombosis reduction, and reduced rate of biofilm buildup.



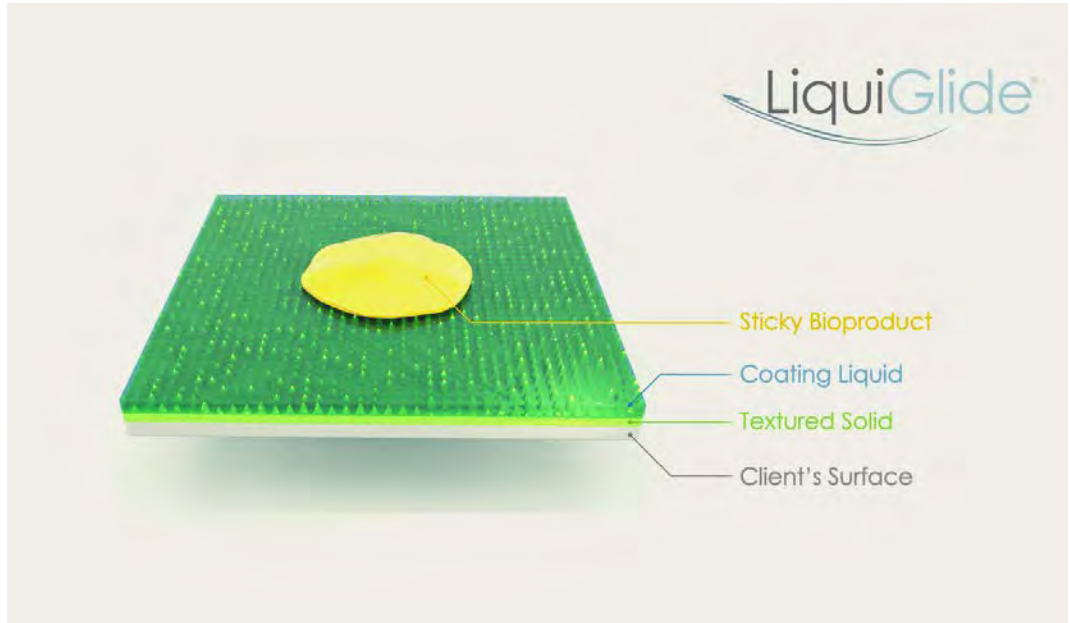
Drug Delivery, Containers, and Packaging

Many medicines are highly viscous, making it difficult to deliver the appropriate dosage of drugs – whether vaccines, biologics, or other costly pharmaceutical therapeutics. By reducing friction and adherence, LiquiGlide can help make the administration of medicines more efficient and effective, leading to reduced product waste. Various delivery systems, including syringes, bottles, pouches, and other containers can benefit from our coating technology. In addition, our technology can enable unique packaging solutions.



Biopharmaceutical Manufacturing

The challenges of processing high-value pharmaceuticals, biologics, and vaccines can result in significant yield loss. In addition, the need for overfilling these products in delivery systems is high due to their high viscosity. LiquiGlide's technology can help substantially reduce yield loss and overfilling in manufacturing, processing, and filling, thus helping to make the supply chain much more efficient.





Our mission is to fundamentally alter interfaces between liquids and solids to improve patient outcomes, save lives, eliminate waste, and enable a new engineering paradigm.

Contact Us

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