

INNOVATEK MEDICAL



Medical Device Surface, Materials and Design Technology

Able to react to the demands of product development cycles, a range of consultancy services are available to help with materials and device issues. With a diverse portfolio of completed projects within therapeutic areas such as woundcare to implantable devices, the following services are available: -

CONSULTANCY

- Material chemical characterisation,
- Surface treatment and characterisation,
- Coating trials and material supplies,
- Device and Process Design.

Support, Development and exploitation of devices and processes within the Healthcare Sector. Concept ideas generated by NHS Trusts, Healthcare Organisations and Individuals. Expert in the delivery of proof of concept prototyping, through the Regulatory Approval process & eventual product commercialisation.

DEVELOPMENT

- Materials and Novel Surface Treatments for Drug Delivery Systems and Devices,
- Plasma Cleaning and Sterilisation Technologies using proprietary, state of the art, validated equipment
- Hydrophobic/hydrophilic treatments for temperature & chemically sensitive medical polymers and rubber materials.
- Devices for the Neonatal and Vascular Surgical market.

Commercial and Healthcare Organisations or individuals with new product or process concepts requiring support should contact Innovatek Medical.

Plasma is an enabling technology for many materials in the medical device sector. Trials and validations can be carried out before transferring technology and equipment/process.

PLASMA TECHNOLOGY

Plasma surface treatments of all materials;

- Improved wettability and adhesion
- Improved material barrier properties
- Hydrophobic/Hydrophilic layers
- Polymer Surface Cross-linking and Functionalisation
- Direct Plasma Fluorination of Rubbers
- Cleaning, Sterilisation and Decontamination

Equipment designed and supplied to pharmaceutical and healthcare standards, including installation and operation in a cleanroom facility. Plasma processing is available in Innovatek Medical's cleanroom facility.

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