



optiject

PLATFORM AUTOINJECTOR

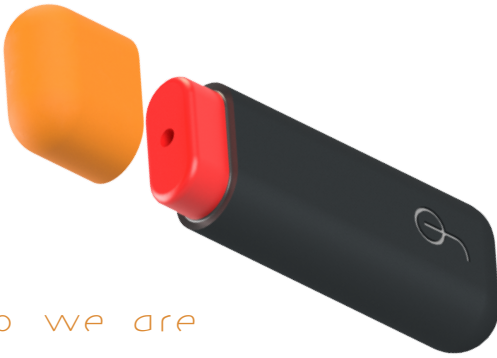
what is the optiject

The Optiject Platform Autoinjector - our answer to the market call for an **optimised injector**. Capable of delivering a plethora of **different medications** according to **specific patient requirements**, the Optiject represents the future of injectable medicine. Patient specific needs such as **dose, needle length and injection time** are taken into account and can be customised to improve the efficacy of each administration.

The Optiject device can be used in the treatment of multiple disease states such as anaphylaxis, drug overdose, rheumatoid arthritis and multiple sclerosis - whatever one needs to inject, both subcutaneous and intramuscular, the Optiject offers an accurate and effective administration, customised to the patient specific requirements.

"WE USE CREATIVE DESIGNS TO
INNOVATE THE FUTURE OF MEDICINE"

optiject



who we are

The Optiject is a project initiated by the University of Cape Town's Biomedical Engineering Division and supported by Impulse Biomedical. Together, academia and industry are striving to redefine the approach to modern medicine for all levels of healthcare from rural medicine to cutting edge surgery.

We are a passionate team of creative innovators committed to finding med tech solutions to some of the medical industry's most challenging problems.

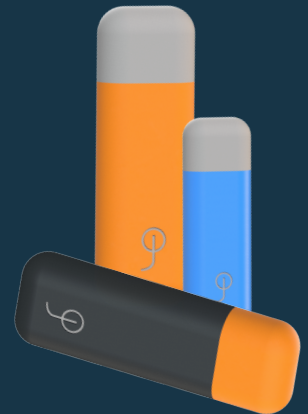
what we are doing

With the Optiject Platform Injector, we have performed extensive market research, patient analysis and literature reviews to ensure that the niche field was understood extensively before project commencement. Using the latest in 3D CAD Modelling and Computer Aided Simulation, a platform injector design has been developed which allows for rapid simulation with various inputs (patient requirements). Additionally we have been prototyping and testing multiple iterations of this device using the latest in 3D printing, CNC machining and specialised autoinjector testing stations.

find us here

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"TAILORED MEDICINE -
REDEFINED"



IMPULSE
rethink medical devices

