

Research · Industrial Design · Engineering Science · Medical · Technology Development · Electronics · Software · Innovation



## Pelikan Sun™ Electronic lancing device for diabetics

For the \$5bn global business in diabetes diagnostics kits, today's test strips, lancets and meters are inconvenient, messy, and painful. With an electronic 'lancing engine' idea, Californian start-up, Pelikan Technologies, aimed to disrupt the market with an integrated blood glucose self-monitoring device.

After struggling to find specialist engineering skills in the US, Pelikan came to CDP in Cambridge, UK. The result was not just a world leading product, but also a valuable patent portfolio enabling further funding.

### Skills Deployed

- Micro-engineering, packaging process development
- Electromagnetics and control systems
- Project and invention management

### Technical Highlights and 'World Firsts'

- 50 lancets in disposable sterile sealed cartridge
- Foil sealing onto non-planar moulded substrate
- Automated selection and replacing of each lancet
- Electronic linear drive lancing control system

Pelikan and CDP have created the future of blood glucose monitoring; it is accurate, effective, painless, and above all, it is convenient.

**"CDP approach each of our projects with vision, insight and intelligent thinking. Their team really is dedicated to answering our brief, and they integrate well with our in-house engineers. CDP are super-knowledgeable in mechanical engineering."**

*CEO, Pelikan Technologies Inc.*

[www.pelikantechnologies.com](http://www.pelikantechnologies.com)

