# Case Study

## Service

**Design for Manufacture Review**

## Project

**Genie III**

## Industry

**Analytical electronic equipment**

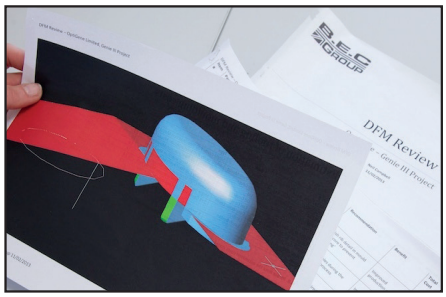
## Client

**OptiGene develops and manufactures instrumentation and reagents that support amplification and detection of DNA and RNA.**

## The Brief

**The CAD for the tools for Optigene's new product had been drawn up. They approached us to review the designs before they invested in the manufacture of the numerous plastic injection moulded components. We carried out a Design for Manufacture Review with the following goals:**

- **Leverage BEC's engineering and manufacturing experience**
- **Eliminate costly design, scheduling and manufacturing modifications**
- **Align supplier capabilities with customer expectations**
- **Improve quality of the finished product**
- **Reduce total cost of the product**




## The Stats

- **9 separate components**
- **7 mould tools**
- **1 happy custome**

## Testimonial

**"We found that the DFM report demonstrated a thorough examination of our tooling requirements. We were extremely impressed by the detailed analysis of our designs and the recommendations that you offered for each part. This has enabled us to save many times more than the study cost by reducing the number of tools needed for our job, generating an immediate financial benefit. In addition, the modifications to the designs that we have made as a result of the report have given both us and you more confidence that the moulded parts will be produced as intended and without the need for significant changes to the tooling once manufactured."**

**Michael Andreou, Managing Director, OptiGene**

## The Solution

OptiGene received a comprehensive report which identified:

- Risk reduction opportunities
- Cost saving opportunities created by amending and reducing the tooling required
- Time saving opportunities
- Quality improvement opportunities
- Efficiency improvement opportunities

OptiGene were very happy with the review. It ensured a much better product for less money and within a shorter timescale.

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