

BESPOKE CLEANROOM LIFT



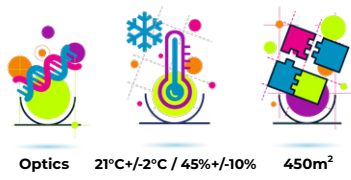
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Contamac[™]
EMPOWERING YOUR VISION

THE CLIENT

Contamac – the world's largest independent manufacturer of contact and intraocular lens materials. The business produces bespoke ocular formulations using their clients' own specifications and is the leading innovator in the development of specialist polymers and biocompatible materials for medical applications.



WHO WE ARE

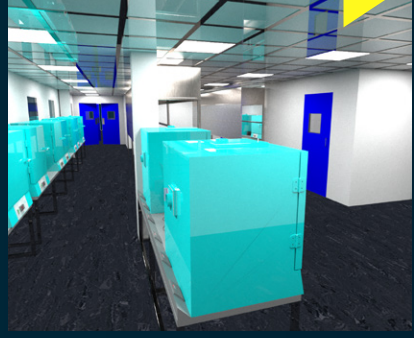
From Our Company on contamac.com...

"Our 3,250m² headquarters in Saffron Walden – just outside the university city of Cambridge – features an ISO7 (Class 10,000) cleanroom and state-of-the-art manufacturing, research and laboratory facilities.

"They allow us to produce bespoke ocular formulations to clients' own specifications and to collaborate with the wider scientific community to create new biocompatible materials and applications."

THE BRIEF

Guardtech were tasked with the design and construction of an ISO7 optical cleanroom in an existing building that required repurposing. This included comprehensive design of all mechanical & electrical services for the building as well as the related process equipment and a bespoke cleanroom lift.



Guardware
cleanroom hardware

ISO7 OPTICAL MODULAR



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THE FIT-OUT

The Guardware team were charged with fitting out the client's cleanroom with a range of high-performance cleanroom furniture & equipment.

This included bespoke Trespa workbenches on grade 304 stainless steel frames, 16 laminar flow workbenches, stainless steel stepover benches, a laminar flow garment stocker and a stainless steel sink unit with Dyson Airblade taps.

Bespoke cleanroom lift: The client required heavy product to be moved from floor to floor in a non-compromised condition, but without manual handling no such solution was readily available. Guardtech worked with Felcon to design, install and commission a cleanroom-compatible goods lift and trolley hatch which did not compromise cleanliness or pressure cascades. This HEPA-filtered cleanroom lift needed to maintain a positive pressure during transition. An upstairs and

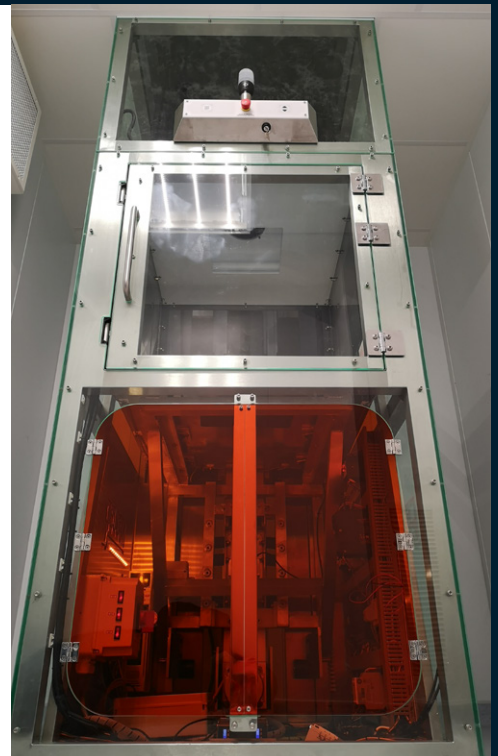
downstairs lobby was therefore fashioned to ensure that the pressure regimes of the lower and higher cleanrooms was not compromised by the opening and closing of the lift doors.

Guardtech were delighted to be a part of a project which allowed them to show off their adaptability, creativity and problem-solving skills, as well as testing their years of expertise and their ability to produce bespoke cleanroom equipment.

It also meant that they produced arguably one of their most striking controlled environments to date. Commercial Director Mark Wheeler reserved special praise for the Design and Installation teams for their impressive collaboration skills.

"This project really tested us as a team – particularly the issues with the floor, staircase and lift – but the Design and Installation teams worked incredibly well together to devise innovative solutions.

"This has to be one of the most stunning jobs we've completed to date, and it was a pleasure to produce something so brilliant for a client that produces such



high-quality products. My thanks to everyone involved in turning around such an excellent project in such a professional manner.

"This was a fantastic opportunity for the Guardware to demonstrate their capacity for equipment innovation."