

Pharmaceutical Conversions, Modifications & Upgrades



Conversions, Modifications & Upgrades

We can modify or upgrade your existing equipment, ensuring that you meet the latest industry regulations and that your people, products and business receives the maximum protection.



Various circumstances can lead to your existing containment or process equipment falling below the required standard and making them obsolete.

To minimise this impact on your business, Howorth can take your existing equipment and modify and upgrade it to ensure that it continues to meet the required standards.

Reasons to upgrade

- Changes in Legislation
- Adding new equipment
- Re-locating
- Economic Circumstances
- Ergonomic Improvements

Changes in Legislation

As a supplier & partner to global pharma companies for many years, we understand the increasingly onerous

international health & safety standards that our clients are required to work to. Howorth can modify your equipment in accordance with legislative requirements.

Adding New Equipment

Howorth has earned a strong reputation within the industry for our innovative integration of process equipment within barrier isolation systems.

We can modify your equipment to enable you to adapting to changing processes or additional process equipment.

We have worked on a wide range of successful equipment integration projects, both with end users and OEMs

Relocation Projects

Extensive installation and commissioning experience, together with rigorous engineering and quality procedures makes Howorth ideally placed to assist you



with relocation projects.

Following a full site survey, Howorths skilled engineers can carry out appropriate equipment adaptations to ensure a smooth transition from one site to the other.

Extensive documentation, ergonomic models and Factory Acceptance Tests (FATs) all contribute to making Site Acceptance Testing (SAT) a trouble-free formality.

Economic Circumstances

Through-out tough economic climates, expenditure on capital equipment is limited, with a conversion or upgrade, Howorth can add value to your existing equipment by making it as good as new.

Ergonomic Improvements

Changes to your equipment or processes impacts on the ergonomic comfort of your operators. Adapting or modifying your equipment to suit your new processes, can prove to be invaluable to your operator. Whether its replacing visors, or retrofitting new glove ports, your operator comfort will remain uncompromised and your people, products and business receives the maximum protection.

Benefits of upgrading

- Costs less than buying brand new capital equipment
- Provides an opportunity for making ergonomic improvements

- Faster turnaround times ensures shorter downtime
- Can be done alongside planned maintenance in order to minimise disruption

Typical Modifications to Isolators

- Retrofitting glove ports
- Replacing visors and pass box doors with inflatable seal units
- Upgrading control systems
- Upgrading filtration systems to include push-push
- Retrofitting ergonomic raise/lower devices for isolator legs
- Retrofitting drum tipping & lifting devices within the isolator

Typical Modifications to Downflow Booths

- Integrating 3D / 4D High Containment Screens
- Upgrades to safe change filtration
- Installing more energy efficient fans and motor units
- Adding additional stages of filtration
- Adding closed loop fan systems
- Integrating lifting & tipping devices



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