



High Containment Milling Isolators

Bringing an advanced level of containment to your work environment



Milling of Highly Potent compounds is a key stage of pharmaceutical manufacturing processes to reduce the particle sizes in accordance with the drug formulation process. Howorth UltraSAFE Isolators are designed utilising our specialist experience including stringent safety measures to ensure protection of personnel and the environment.

- Designed to safely handle potent compounds to OEB6
- Negative pressure cascades
- Multi chamber design to suit the operational process
- Full ergonomic assessment
- Integration of key materials handling and process equipment
- Designed to the specified hazardous area classification
- Safety features designed into the system including interlocks, purge systems and safe change systems
- CIP/WIP Capabilities
- PLC control system including interface with site networks
- Compliance with all appropriate design standards and guidelines
- Half Suit solutions available



High accuracy weighing systems:

- Compliant with the area classification and WIP requirements
- Internal operator display
- Internal push buttons ensuring accuracy is achieved during each dispensing process



Integrated milling solutions:

- Various milling configurations including interchangeable solutions.
- Product contact parts only integrated within the isolator chamber.
- Combine with product control valves
- WIP and Purge systems



Integrated Materials handling systems:

- Drum docking hoists
- Donor drums providing flexibility to handle various drum sizes and types
- Stand alone or integrated within dedicated extracted chamber
- Safe operation including interlocks and light curtains

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