



Hosokawa Micron Announce a New Dimension in Operator Protection with 5D Containment Screens

Pioneers in clean air technology, Hosokawa Micron Ltd, is now able to offer innovative designs of downflow booths featuring the very latest development of 5D Rigid Containment Screens which can offer powder handling operatives unprecedented Operator Exposure Levels as low as $<1\mu\text{g}/\text{m}^3$, dependant on application.

The new 5D Containment Screens create a physical barrier between the operator and the source of dust particles enabling contamination levels of $<1\mu\text{g}/\text{m}^3$ to be achieved, a result more routinely achieved in a glovebox or isolator. The new 5D screen option offers movement up and down; back to front, side to side, tilt and pivot giving operators greater operational movement than other restricted movement screens. Because operatives have more freedom of movement they are able to carry out processing and packing tasks simply and effectively with no deviation from standard operating procedures.

The screens move easily to allow the operator maximum freedom to carry out procedures without restriction however they can also be locked into set positions should this be required for safety reasons whilst undertaking specific tasks. When not in use the screens can be secured against the wall of the booth

The new 5D screens are the latest addition to the range of rigid and flexible 2D, 3D and 4D screens. The rigid screens are manufactured from glass or clear Perspex for optimum visibility and are available in any size. Customers can choose from a range of neoprene, vinyl or latex glove or gauntlet options fitted within the screens to suit individual requirements. It is also possible to retro fit the containment screens into existing downflow booths to improve operator protection levels.

'Clean air technology developed to offer high levels of protection to operators from harmful, hazardous, toxic or sensitizing dusts generated and handled during manual powder handling operations is accepted as the norm when activities such as sampling, charging and off-loading sub-division from powders but this new development of integration of 5D high containment screens offers, quite literally, a new dimension in flexible, user friendly alternatives to more restrictive barrier containment methods.' Says Carl Emsley, Sales Manager Pharma and High Containment, Hosokawa Micron Ltd.



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