

Sluice for hygienically highly sensitive rooms – The Mohn Highline grants entry only after disinfection has been carried out

Cleaning and disinfection are a must wherever employees enter production areas. The Meinerzhagen-based hygiene technology expert Mohn offers a wide range of products and services in this field. One new addition to the range is the Highline – a sluice that not only cleans hands and soles, but also controls access to highly hygienically sensitive rooms.



With the Highline, two sensors ensure that the sluice can only be passed once hands have been disinfected. (Photo: Working Image)

No passage without cleaning

There's no doubt about it: perfect hygiene is the be-all and end-all for producers. Above all, personal hygiene is often considered a weak point during the process of entering the production facilities. Every employee should be aware of how important correct use of cleaning and disinfecting agents is. Yet, once the routine has set in, carelessness is quick to follow. Mohn has developed a hygiene sluice which largely eliminates this factor. This is not only a matter of having hand washing basins and disinfection facilities in place. There is a mandatory cleaning process in place to initiate access via the entrance sluice. If this cleaning step is not performed, the turnstiles do not allow passage.

Saving water, chemicals and energy costs

With conventional hygiene sluices, the brushes start to "run" even before the staff enters the walking grating for sole cleaning. Instead of using common reflection light scanners, the integrated sole cleaning area within the Highline hygiene sluices is activated by an innovation for which a patent application has been filed. As soon as a person enters the system, a special spring cup technology controls the brushes as well as the optimal amount of cleaning agent and water. As soon as a person leaves the grating, the cleaning agent and water supply stop immediately, as does the brush rotation. The advantage: in comparison to conventional hygiene sluices with sensor-controlled brush drive operated by means of reflective light scanners, this saves water, chemicals and energy. In addition, the spring cup technology also works for personnel wearing dark instead of white trousers. One problem with hygiene sluices with conventional sensor technology, on the other hand, is that staff with dark clothing are not detected. With such systems, sole cleaning only works with white clothing.

Tamper-proof sensors

Two sensors ensure that the sluice can only be passed with disinfected hands: They detect the presence of hands and spray them with disinfectant solution for a predetermined time. To do this, both hands must be inserted into the disinfection device at the same time. The turnstile at the end of the guided hygiene sluice is only released when a green light signals that the prescribed disinfection is complete. This always ensures that only persons with disinfected hands are able to enter the production area. A "traffic light" on the hygiene sluice uses a red or green light to indicate whether cleaning and disinfection has taken place when an employee passes the turnstile. And the system identifies any forms of "trickery" immediately.

Check-in by chip or code card

Highline hygiene sluices are available in different versions. For instance, with time recording or check-in station in situations where access control in hygienically highly sensitive rooms is required. Only individuals who have a chip or code card with access authorisation for the respective operating area are granted entry.

Further information and contact

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