

JetBLACK[®] SAFETY

PERSONNEL CLEANING BOOTHS

If you have employees moving between dusty work areas to clean-zones, the installation of a JetBlack Safety Personnel Cleaning Booth will allow them to quickly remove residue dust, powder or contaminant from all PPE and work-wear clothing.

The Personnel Cleaning Booths are guaranteed to meet or exceed OSHA requirements. They operate by utilising high-volume, low-pressure air that is effective in dislodging all materials from clothing. This system is much faster and easier to use than alternative vacuum systems.

More importantly they avoid many of the issues associated with compressed air which has the potential to be very dangerous in this type of application due to the high air pressures involved.

For further information, please refer to our 'Dangers of Compressed Air' fact sheet.



PERSONNEL CLEANING BOOTHS

Simple by Design:

The JetBlack Safety Cleaning Booths are self-contained, de-dusting systems which remove, extract and collect dust and debris from employees' dirty work clothes within a 20-30 second time frame.

Suitable for indoor and outdoor use (with additional covers), these stand-alone systems significantly improve the health of workers by providing quick and effective methods for cleaning dusty clothes.

Key Features:

- Safe and easy to operate and maintain
- Modular construction
- Powerful 'air shower' effect
- **Standard version** - integrated JetBlack Safety Cleaning technology, available in 1Ph and 3Ph
- **Hands-free version** - 6 nozzle reciprocating motion air delivery system, available in 1Ph only
- **Hybrid version** - integrated JetBlack Safety air delivery system and 6 nozzle reciprocator, available in 1ph and 3ph
- Includes a stand-alone extractor
- HEPA H14 filter as standard

Typical Applications:

- Quarrying / Stone / Aggregate facilities
- Fibre moulding / Materials / Textile production
- Construction sites
- Bulk handling
- Wood working sites / Paper processing
- Foundry / Castings

Extraction:

Stand-alone Extractor:

The extractor is capable of handling most types of dusts and features a fabric pre-filter bag which is F9 rated. This protects the HEPA H14 filter ensuring longer lasting life and minimum maintenance.

Performance Data:

1Ph Booth	3Ph Booth
Motor Power 1.5kW	Motor Power 3kW
230V, 50Hz as standard	400V, 50Hz as standard
1500m ³ /hr air flow performance (10 air changes/min)	1850m ³ /hr air flow performance (12 air changes/min)
Noise levels 84.2dB(A)@ 1m	Noise levels 84.2dB(A)@ 1m

Features Include:

- Supplied with HEPA H14 filter with a F9 pre-filter
- The pre-filter cartridge captures > 95% of dust 0.4 micrometers (μm) in diameter
- The main filter cartridge captures > 99.995% of dust 0.3 micrometers (μm) in diameter





How does the Personnel Cleaning Booth operate?

- Step 1:** Upon entering the booth, the interior light and extractor will automatically turn-on.
- Step 2:** Clean Air is immediately drawn through the filtered roof, creating an air shower effect.
- Step 3:** To begin removing dust and contamination from clothing, the Cleaning Station needs to be switched on via the green start button.
- Step 4:** Any displaced dust is drawn down through the floor grille, extracted by a vacuum effect and collected by the dust extractor where it can be disposed of, or alternatively recycled.
- Step 5:** Exiting the booth automatically stops the air flow. The extractor continues to run for a set time, and the filter agitator process begins.

How does the Hands Free Cleaning Booth operate?

- Step 1:** Upon entering the booth, the interior light and extractor will automatically turn-on.
- Step 2:** Clean Air is immediately drawn through the filtered roof, creating an air shower effect.
- Step 3:** To begin removing dust and contaminants from clothing, the 6 reciprocating nozzles need to be switched on via the green start button.
- Step 4:** Any displaced dust is drawn down through the floor grille, extracted by a vacuum effect and collected by the dust extractor where it can be disposed of, or alternatively recycled.
- Step 5:** Exiting the booth automatically stops the air flow. The extractor continues to run for a set time, and the filter agitator process begins.



Please note that the removal of debris and contaminants will produce airborne dust. This dust could be hazardous and present an inhalation risk to the user. Exposure to hazardous dust should be adequately controlled in line with the Control of Substances Hazardous to Health Regulations 2002 (COSHH).

We recommend that users implement suitable and adequate engineering controls for the airborne dust released such as extraction and the use of a down flow booth, respiratory protective equipment (RPE) and PPE. Users must wear appropriate eye, ear and respiratory protection at all times whilst operating the JetBlack Safety equipment.

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