

***Jet*BLACK**
SAFETY



PERSONNEL DUST REMOVAL SYSTEMS

**Reducing dust exposure &
the subsequent health hazards**

Proud to be a member of The Chartered Society of Workers Healthcare Protection



Personnel Cleaning Booth for the removal of dust

Research shows that dust is a significant health hazard to people working in industries such as mining, construction and many others, as dust contains:

- Known carcinogens
- Silica

Workers exposed to dust via dusty clothing are **10 times more likely to be affected by dust related health issues** than people wearing dust free workwear (cdc.gov/niosh 2019).

It is also reported that **for every one fatal accident in the construction industry alone, up to 50 people** will die from illnesses such as respiratory diseases.

JetBlack® Safety Personnel Cleaning Booths have been specially designed by our engineering team, who combine extensive knowledge with technical expertise in fans and air movement.



BEFORE



AFTER



Our Personnel Cleaning Systems uses blower-powered air to remove dust from clothing **quickly and effectively** and without the risks associated with compressed air.

Features:

- **Safer:**
 - High volume, low pressure air, no compressed air
 - OSHA Compliant
- **Cost effective:**
 - 90% cheaper to run than equivalent compressed air systems
- **Low noise emission:**
 - Quieter than compressed air nozzle systems

Typical Applications:

- Stone and aggregates quarrying
- Plastic and rubber production
- Cement and plasterboard manufacturing
- Paper and tissue production
- Carpet and general textile manufacturing

PERSONNEL CLEANING BOOTH



The Cleaning Booth is a self-contained dedusting system for the workforce

Simple by Design:

- Removes dust and debris quickly and effectively from employees dirty clothes
- Reduces cross-contamination and health risks associated with dust exposure
- Within a 20-30 second time frame, workers can enter the booth and clean-down
- The stand-alone system combines a powerful 'air shower' effect with integrated air nozzles
- Suitable for indoor use and outdoor use, with the addition of a weather cover
- A choice of manual or automated dedusting booths

Manual Unit



Automated Unit

HEPA H14- Stand-alone Cyclone Extractor:

- Captures and filters the dust and debris, removing them safely from the environment
- Capable of handling most types of dust
- Quiet in operation
- Consistent airflow and unrivalled performance
- Dust collection for easy disposal

Other options are available, contact our dedicated sales team for further details.

"The JetBlack® Safety personnel dedusting cubicle offers multiple benefits. It achieves effective cleaning of personnel, prevents recontamination and helps with quality control in the manufacture of ovens." Walter Keiler, Safety Coordinator, Bosch + Siemens Hausgeräte.

PERSONNEL CLEANING STATION



The Cleaning Station is a very effective dedusting tool

Simple by Design:

- A **safer and more efficient** alternative solution to compressed air
- Uses high volume, low pressure air so workers can clean down quickly without the risks linked to compressed air
- 1.5m hose to allow for **full body dedusting**
- Ideal for exit/entry point of any manufacturing or production facility to reduce cross-contamination
- Made from high grade plastic to survive the toughest working environments
- A choice of wall-mounted or portable options
- Static neutralisation pack available on request



Features:

- Units available in both 230V and 115V, at 1.2 and 1.4kW
- Produces high volume (98.5m³/h - 58cfm), low pressure air (158.6MBAR - 2.3PSIG)
- Easily maintained
- Stainless steel cover available for outdoor use

Wall Mounted Unit



Portable Unit



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 Cleaning Station.



Research shows that dust exposure leads to a variety of negative health implications from minor irritation to serious life-threatening illnesses.

DUST MATTERS - PREVENTION IS THE BEST STRATEGY

- **JetBlack® Safety Personnel Cleaning Booths effectively dislodge and extract dust and debris from clothing and by doing so, reduce health hazards**
- **JetBlack® Safety systems are a safer alternative to compressed air**

For more information about
JetBlack® Safety, contact us.

Air Control Industries Ltd

Weycroft Avenue,
Millwey Rise Industrial Est,
Axminster, EX13 5HU,
United Kingdom

Tel: +44 (0)1297 529242
uksales@jetblacksafety.com
www.jetblacksafety.com

Air Control Industries Inc.

76 Augusta Rockland Road,
Windsor,
ME 04363,
United States

Tel: +1 877 326 1862
Fax: +1 207 445 2497
sales@jetblacksafety.com
www.jetblacksafety.com