



0 SERIES
Forensic[®]



Air Science[®]

Comprehensive Evidentiary
Chain Management

Featuring Air Science SafeFume™,
Purair® PCR, SafeKeeper®,
and UV-Box™ product lines.





FOR SAFETY AND PERFORMANCE

Air Science® provides forensic products to meet the needs of each step in the evidentiary chain, from field processing, to transport and storage, to analytical procedures in the laboratory. Review our product offerings, visit www.airscience.com to download full-length specifications sheets, or contact us today to learn more.

THE AIR SCIENCE ADVANTAGE

Evidence management is based on a chain of performance that integrates three key components:

Data Integrity. Air Science® is devoted to ensuring the integrity of your evidence as well as providing unmatched accuracy of analytical results.

Safety. Air Science products ensure an unparalleled level of safety for technicians and operators.

Reliability. Air Science products are built to last, featuring sturdy construction, industrial grade components, and robust features to fit a variety of laboratory needs.

multiple[™]

The Air Science Multiplex™ Filtration System creates a combination of chemical and physical architecture customized to each application. The Multiplex permits one or more filtration options to be combined to meet a wider range of multiple-use applications. Multiplex permits configuration for the capture of acids, bases and particulates such as biological aerosols when paired with HEPA or ULPA filters.



Enhanced Filtration Technology carbon filters contain a wide range of core chemical families. These include organic acids, alcohols, aliphatic hydrocarbons, aromatic hydrocarbons, esters, aldehydes, ketones, ethers, halogens and others. The EFT™ system can contain inorganic acids as well.



Made in
the U.S.A.

Products Exceed OSHA, ANSI and Other International Standards.



Purair[®] FLEX

Model FLEX-30.

Portable Evidence Inspection Isolator

The Purair[®] Flex is ideal for evidence processing in the field or in the laboratory. The curved flexible structure provides a high-strength barrier with more working volume than any other glove bag available. Semi-rigid support rods simplify setup. Suction cup feet secure the polypropylene base. Polyurethane sleeves include O-ring cuffs for easy glove changes. An angled zipper entry permits easy evidence insertion. A bag-in / bag-out port and dual HEPA filter availability improve safety. An optional nitrogen gas connection is available.

airsience.com/purair-flex-portable-isolators



Model FDC-BASIC.

Transporter

Special Purpose, Basic Evidence Transporter

The Evidence Transporter is a special purpose basic evidence transporter and storage cabinet designed to maintain the chain of custody in transport from the field to the laboratory, while allowing effective air-drying prior to evidence processing. This mobile unit is highly moveable, utilizing a lightweight PVC frame with Texilene mesh fabric to conceal unsightly evidence from display. The unit can be quickly knocked down for storage or transport and all materials are easily cleaned with conventional detergents.

airsience.com/mobile-evidence-transporters



Model DWS-24.



Model DWS-48.



DWS[™]

Special Purpose, Fingerprint Powder Workstation

DWS fingerprint powder workstations are ductless fume hoods designed to protect the user and the environment from hazardous particles generated from print analysis. Unrestricted front and side access permits applications requiring complex and intensive operator involvement, while downward airflow in the chamber protects the operator. One of the salient features of the Air Science Ductless Downflow Workstations is the inclusion of Enhanced Filtration Technology (EFT). Air Science EFT provides the ability to work with a wide range of chemical families, including organic and inorganic acids.

airsience.com/ductless-down-flow-workstations



Model EVB-72 shown with optional airflow pod, magnifying lamp and power package outlet strip.

Evidence-Bench[™]

Designed for Evidence Processing

The Evidence Bench provides ample work space for processing evidence, and includes an optional drop-in airflow pod for safe evidence processing when utilizing powders and / or chemicals. The filtration system is based on Air Science Multiplex[™] Filtration technology, utilizing downward airflow on the stainless steel processing surface to provide a high efficiency containment system that protects the user and surrounding environment from hazardous vapors or powders. Additionally, the Airflow Pod eliminates putrid odors that are emitted from various types of evidence during processing.

airsience.com/mobile-forensic-evidence-benches

multiple[™]



Model UVB-15.

UV-Box™

Fast DNA Decontamination, with High Intensity UVC Radiation

The Air Science® range of UV-Boxes is a series of high-efficiency chambers designed to safely decontaminate contents while providing for a safe work environment for the operator. High intensity UV lamps are positioned within the cabinet producing short wave ultraviolet light at 254nm to destroy exposed surface DNA and bacteria, leaving evidence free of contamination prior to other forensic tests, analysis or procedures.

airscience.com/uv-box-benchtop-chambers



Model BIO-48.

Purair^{BIO}

Protect Operators and Evidence from Biological Contaminants

Air Science provides a line of Purair BIO Class II Biological Safety Cabinets for handling evidentiary samples such as bone, liquid blood, and tissue when processed in the preparation laboratory. The Purair BIO is designed with a shorter height and smaller footprint for optimal utilization of lab space, but provides the utmost in environmentally sound operation.

airscience.com/purair-bio-biosafety-cabinets



Model SD-34S.

Safedvelop™

Ninhydrin and DFO Development Chamber

Safedvelop Fingerprint Development Chambers are designed to safely develop latent fingerprints on porous surfaces using DFO, Ninhydrin, and other chemicals in a controlled environment for optimum effectiveness and safety where moisture, temperature, and development time are critical factors.

airscience.com/safedvelop-fingerprint-development-chambers



Model P5-24 (left); Model P10 (right).

Purair^{BASIC} / Purair^{ADVANCED}

Chemical Processing Workstations

Advanced carbon filtration technology offers a safe, high performance alternative to conventional ducted fume hoods for a broad range of applications. Purair® ductless chemical processing workstations are a series of high efficiency products designed to protect the user and the environment from hazardous vapors developed during evidence processing. The Purair Basic and Advanced offer a host of options applicable for a laboratory of any size. The technology driving the Purair fume hood product line is the innovative Air Science Multiplex Filtration Technology that creates a safe work environment over the widest range of applications in the industry. Contact us for more details.

airscience.com/ductless-fume-hoods

multiple[™]



Model PCR-24.

Purair^{PCR}

PCR Cabinet, Sterile Clean Bench for DNA Analysis

Purair PCR offers protection by laminar flow for PCR amplification handlings that are extremely sensitive to contamination with ease of UV decontamination and sterilization cycles. The Monitair Control Panel allows all cabinet safety parameters to be monitored in one centralized location. The microprocessor controller monitors airflow, containment, and filter condition, providing audio and visual alarms to alert the operator if conditions have become unsafe.

airscience.com/purair-pcr-laminar-flow-cabinets



Model FDC-006XT.



Safekeeper^{SERIES}

Special Purpose Clean Bench for Sterile DNA Analysis

Safekeeper series forensic evidence drying cabinets are designed to store, dry or otherwise process forensic evidence in the controlled environment of a tamper resistant compartment to maintain the chain of custody. Safekeeper forensic cabinets are built to integrate seamlessly into your existing laboratory, requiring no additional construction or ductwork. Air Science® ductless technology removes airborne pathogens, particulates, fumes, and odors emitted by the contents, without requiring elaborate external ducting systems. Additionally, standard height cabinets are equipped with convenient rollers to make transfer from one room to the next simple and easy.

airscience.com/safekeeper-forensic-evidence-drying-cabinets



Model 64T.



Drugkeeper

Special Purpose, Evidence and Illegal Substance Storage Cabinet

Drugkeeper storage cabinets can be used for short-term storage of hazardous chemicals and substances typically associated with drug investigations. The filters utilized in these cabinets are specially formulated to minimize the health and environmental risks associated with handling chemical vapors and residues, VOCs, and other materials associated with methamphetamine production. The cabinets incorporate open wire shelves to accommodate customizable storage and easy cleanup. Access to the prefilter is also available from the interior.

airscience.com/drugkeeper-storage-cabinets



Model CA-30S.



SafeFume™

Automatic Cyanoacrylate Fuming Chamber

SafeFume cyanoacrylate fuming chambers are designed to safely develop latent fingerprints using ethyl cyanoacrylate (CNA) vapor in a controlled environment for optimum effectiveness and safety where moisture and fuming time are critical factors. The ductless filtration system requires no connection to an outside exhaust system and the automatic control system programs the fuming cycle to ensure accurate, useable latent print results.

airscience.com/safefume-fuming-chambers



Model ARV-33T Chamber shown with optional UV Lamp and UPS (power supply).



SafeFume³⁶⁰

360° Visibility Automatic Cyanoacrylate Fuming Chamber

The SafeFume 360 cabinets offer high visibility access for development of latent prints from non-porous surfaces. These cabinets create a controlled environment required for operator and environmental safety. The SafeFume 360 is available in four sizes, from compact benchtop units to reach-in and larger walk-in chambers.

airscience.com/safefume-360-fuming-chamber

Carbon Filters

Available Online for Air Science and Major Worldwide Manufacturers

Air Science® granular carbon filters are available for sale online as replacement filters for Air Science and most major fume hood brands sold throughout the world. Air Science filters are compounded from enhanced, activated carbon particle formulations sourced from specially selected, naturally occurring raw material superior to wood or other organic sources. Our granular carbon is treated to attain the proper porosity and aggregate surface area and to react with several ranges of aerosolized chemicals moved through the filter by an air handling blower. Filter frames are robust to resist torsion and to assure a tight seal. Specify fume hood make and model number when ordering online.

airscience.com/filters



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