



United Air Specialists, Inc.

a CLARCOR company

Air Pollution Control Systems



INDUSTRIAL AIR CLEANING SOLUTIONS

Clean air. It's what we do.®

The Clean Air Solutions Provider

OVER FORTY YEARS OF INNOVATIVE AND COST-EFFECTIVE FILTRATION SOLUTIONS

United Air Specialists (UAS) has been designing, manufacturing, selling and solving industrial air quality problems since 1966. We are a member of the CLARCOR family of total filtration businesses, which offers more than 100,000 types of filter products. With a strong commitment to research and development, UAS employees strive

to maintain responsible leadership as the specialists in providing the most efficient and cost effective air pollution control solutions worldwide.

Headquartered in Cincinnati, Ohio, UAS serves the needs of companies, both large and small, in a wide variety of industries. We provide air quality solutions to assist in meeting federal, state and local clean air standards with high-quality systems *customized* to each customer's specific needs.



Visit www.uasinc.com and click on Find a Distributor to locate the representative in your area, or call 1-800-252-4647.

CHOOSING THE RIGHT SYSTEM FOR YOUR COMPANY

Just about every industrial process generates airborne pollutants in the form of dry particles, fumes, vapors or mists. These contaminants are often toxic and can lead to an unsafe work environment, if not properly controlled. So, it is critical to select an air filtration system and manufacturer with the experience to solve your company's specific air quality issues.

That's where factory-trained UAS representatives can help. Our worldwide network of experienced professionals can assist you in determining which air cleaning equipment, accessories and designs best fit your needs and objectives. Additionally, you also have access to UAS' team of Customer Service Specialists and Application Engineers who are ready to answer questions before, during and after your system is installed.



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DUST COLLECTION

UAS offers dust collectors to meet the needs of virtually any application. Energy efficient and maintenance friendly, our dust collection units come standard with features like **QuickSeal release doors** and **Cam-action locking bars** for quick and easy filter changes, **pressure gauges** that indicate when cartridges need to be changed and lightweight, easy-to-remove **dust drawers**. UAS has also developed a patented pulse cleaning technology, which maximizes the cleaning power and energy delivered to cartridge filters, providing complete surface cleaning and assuring years of dependable performance.

Upon evaluating the characteristics and concentration levels of airborne dust at your job site, a highly qualified UAS clean air professional can help you properly select the size and type of air cleaning system that will provide the best air quality solution.



MEETING ALL YOUR FILTRATION NEEDS

UAS also offers a complete line of high-performance replacement filters, including **Protura® Nanofiber Cartridges**, that are compatible with virtually every major brand of industrial air cleaning equipment. Available in a wide range of media blends and sizes, these superior filters effectively perform in the most rugged industrial environments and provide efficiency up to 99.999%.



MIST/FUME COLLECTION

UAS' Smog-Hog® mist collectors are among the most effective electrostatic precipitators (ESP) on the market today. In fact, UAS was the first company to employ ESP technology to collect wet pollutants from industrial manufacturing processes. No other electrostatic unit on the market can match a Smog-Hog in efficiency, effectiveness and long-term cost savings for the collection of oil smoke and coolant mist.

Smog-Hog mist collectors are available in a variety of sizes and versatile configurations to fit your company's needs. Depending on your application, systems can be ducted, unducted, hung from the ceiling, machine-mounted, portable and even installed outdoors!



Smog-Hog is a registered trademark of UAS Inc.

MEDIA FILTRATION

A practical and effective solution for collecting dusts and mists in low concentrations, UAS' media filtration systems contain high-efficiency filters ideal for removing smoke, dust and oil mist. Select from free-standing units, ceiling-hung systems or portable source capture collectors.



ON-SITE CAPABILITIES AND TECHNICAL EXPERTISE



On-Site Laboratory

Here, our team of engineers build prototypes as needed, verify computer test results using an air chamber, perform sound testing, conduct wind-load experiments, study

the behavior of various dust particles in a dust loop and much more.

Total Quality Manufacturing

From welding, cutting and forming to assembly and shipping, UAS ensures quality parts and workmanship to meet our customers' demanding applications.



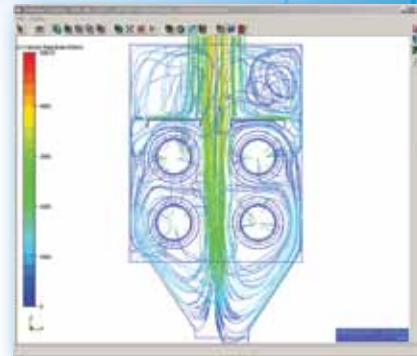
Powder-Coat Paint Line

Instead of painting air cleaning systems after they have been assembled, UAS individually powder coats each component of the unit electrostatically. This ensures consistent paint coverage throughout the entire unit to prevent fading, chalking and rusting.



Advanced Engineering Technology

UAS engineers have access to the latest computer tools in the industry to assist in the design of our high-quality air cleaning systems. Programs like



Computational Fluid Dynamics (CFD) provide detailed airflow and dust loading analyses, so we are able to evaluate and fine-tune the functionality and operation of our

equipment before a unit is actually built. The benefit is optimized product performance, maximized filter efficiency, increased filter life and a reduction in total operating costs.

Put UAS and Clean Air To Work For You

Cleaner factory air can provide many advantages including improved workplace safety and employee health, decreased housekeeping and maintenance costs, compliance with increasingly stringent OSHA and EPA standards, and overall better product quality.

As a leader in the industrial marketplace, UAS offers a wide breadth of products to ensure you get the right technological solution for your specific application.

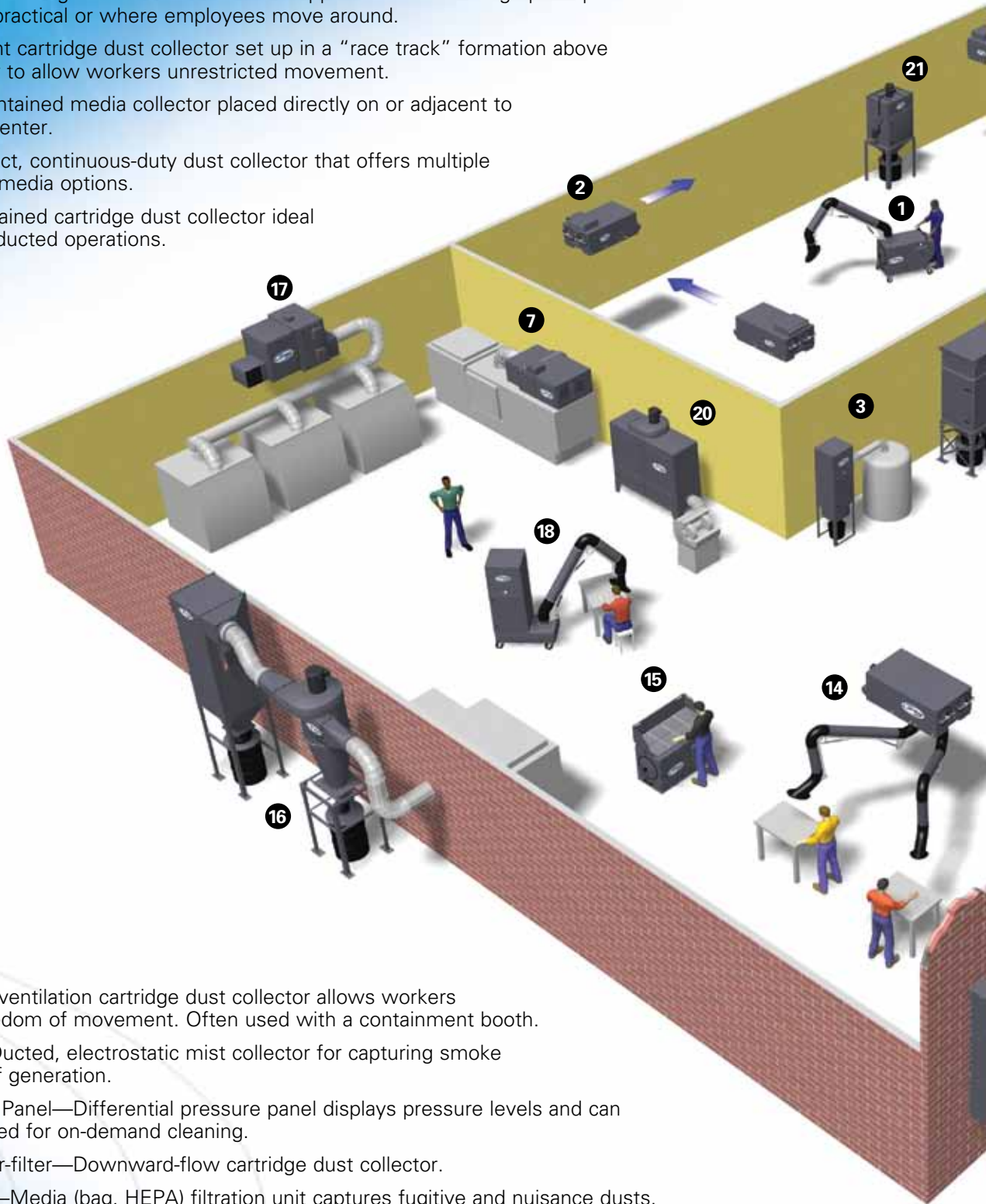
We have access to the most advanced technology and expertise to solve virtually any dust or mist problem your company may have, as well as the ability to provide excellent on-going customer support.

Our knowledgeable Manufacturer's Representatives are ready to work one-on-one with you to recommend the best air cleaning product(s) to fit your application—no matter how complex it may seem. Whether it's a typical manufacturing process problem or one that requires a customized solution, UAS has a high-quality system that can do the job.

APPLICATIONS

This floor plan shows many of UAS' products used in a variety of industrial applications. All systems can be customized to meet your company's individualized air quality needs.

- 1 VP—Portable cartridge dust collector ideal for applications where large pick-up hoods are impractical or where employees move around.
- 2 SCA—Ambient cartridge dust collector set up in a "race track" formation above the plant floor to allow workers unrestricted movement.
- 3 VCC—Self-contained media collector placed directly on or adjacent to a machining center.
- 4 BDC—Compact, continuous-duty dust collector that offers multiple high-filtration media options.
- 5 VF—Self-contained cartridge dust collector ideal for light-duty ducted operations.

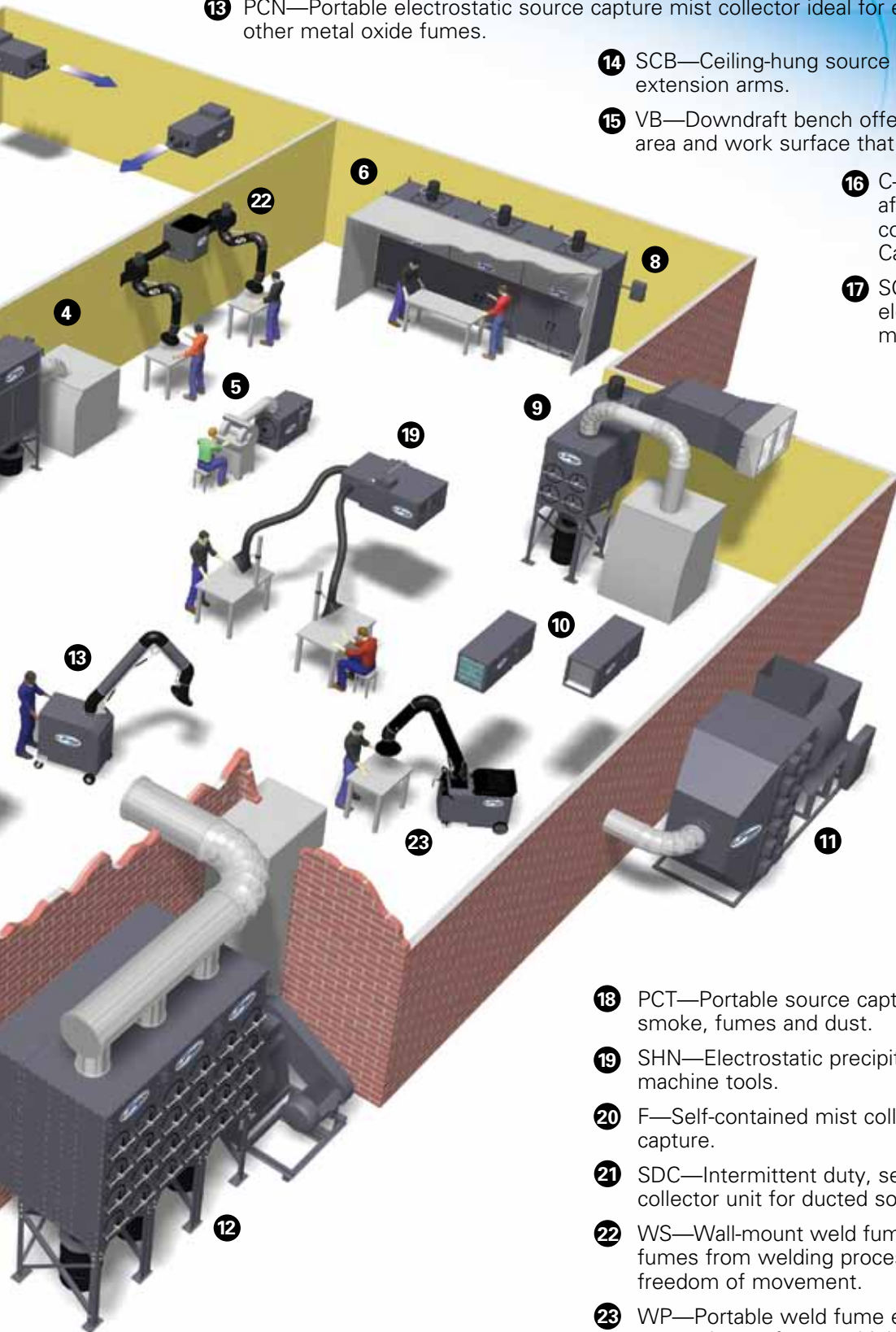


- 6 MCB—Cross-ventilation cartridge dust collector allows workers complete freedom of movement. Often used with a containment booth.
- 7 SHN/MSH—Ducted, electrostatic mist collector for capturing smoke at the point of generation.
- 8 Pulse Control Panel—Differential pressure panel displays pressure levels and can be programmed for on-demand cleaning.
- 9 SFC with after-filter—Downward-flow cartridge dust collector.
- 10 DA/DB/DBM—Media (bag, HEPA) filtration unit captures fugitive and nuisance dusts. Also available with odor control modules/elements.



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- 11 PSH—Central electrostatic mist collector system designed with modular construction for collection from multiple sources. Unit can be sized for large airflow volumes and with in-place cleaning features.
- 12 SFC—Downward-flow cartridge dust collector.
- 13 PCN—Portable electrostatic source capture mist collector ideal for eliminating welding smoke and other metal oxide fumes.



- 14 SCB—Ceiling-hung source capture dust collector with two extension arms.
- 15 VB—Downdraft bench offering an integrated collection area and work surface that draws away contaminants.

- 16 C—Cyclone dust collector with after-filter removes large-size contaminants or heavy dust loads. Can be used indoors or outdoors.
- 17 SG—Source capture, two-stage electrostatic precipitator with mobile in-place cleaning system.

- 18 PCT—Portable source capture system for collecting smoke, fumes and dust.
- 19 SHN—Electrostatic precipitator for use on individual machine tools.
- 20 F—Self-contained mist collector unit for ducted source capture.
- 21 SDC—Intermittent duty, self-contained shaker dust collector unit for ducted source capture.
- 22 WS—Wall-mount weld fume extractor captures sub-micron fumes from welding processes, while enabling the worker freedom of movement.
- 23 WP—Portable weld fume extractor captures and contains contaminants from multiple locations within a facility.

WHY CHOOSE UNITED AIR SPECIALISTS?

A world-renowned reputation. For more than 40 years, we've been the industry leader in air quality technology — a proven track record that speaks for itself.

Commitment to quality products. Measuring our quality against documented expectations, we practice continuous improvement methods to anticipate challenges and implement successful solutions.

Unparalleled customer support. As a customer-driven solutions provider, we earn credibility and establish successful relationships by exceeding expectations for professional service and attitude.

Innovative technical leadership. Always, we keep technology at the forefront — ensuring continuous product advancements through ongoing investments in design and manufacturing.

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