



**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 80,000 types of filter products. With a strong commitment

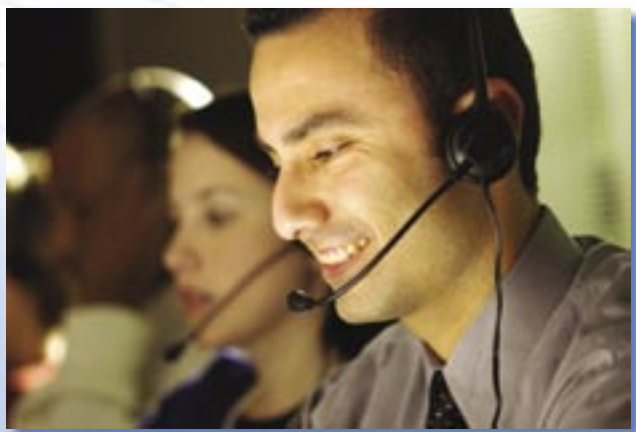
to research and development, UAS

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.



*Simply visit [www.uasinc.com](http://www.uasinc.com) and click on the online rep locator to find 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 blast technology, which maximizes the cleaning power and energy delivered to the filter, 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 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

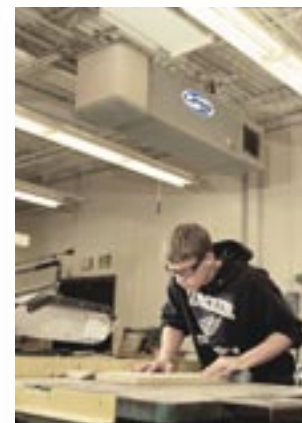
UAS' Smog-Hog® mist collectors are the most effective electrostatic precipitators (ESP) on the market today. In fact, UAS was the first company to employ ESP technology to collect wet pollutants from industrial manufacturing processes. No other electrostatic unit on the market can match a Smog-Hog in 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!



## 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.



Smog-Hog is a registered trademark of UAS Inc.



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## 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 requests.



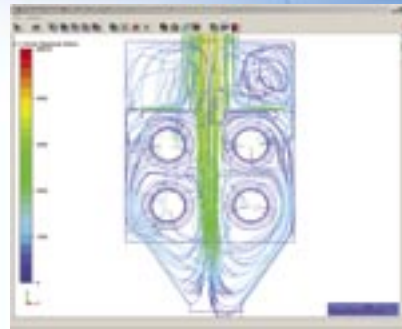
### Powder-Coat Paint Line

Instead of painting air cleaning systems after they have been assembled, UAS individually powder coats each component of the unit electrostatically to ensure consistent paint coverage throughout the entire unit to prevent fading, chalking and rusting. The result is the best fit and finish in the industry.



### 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.

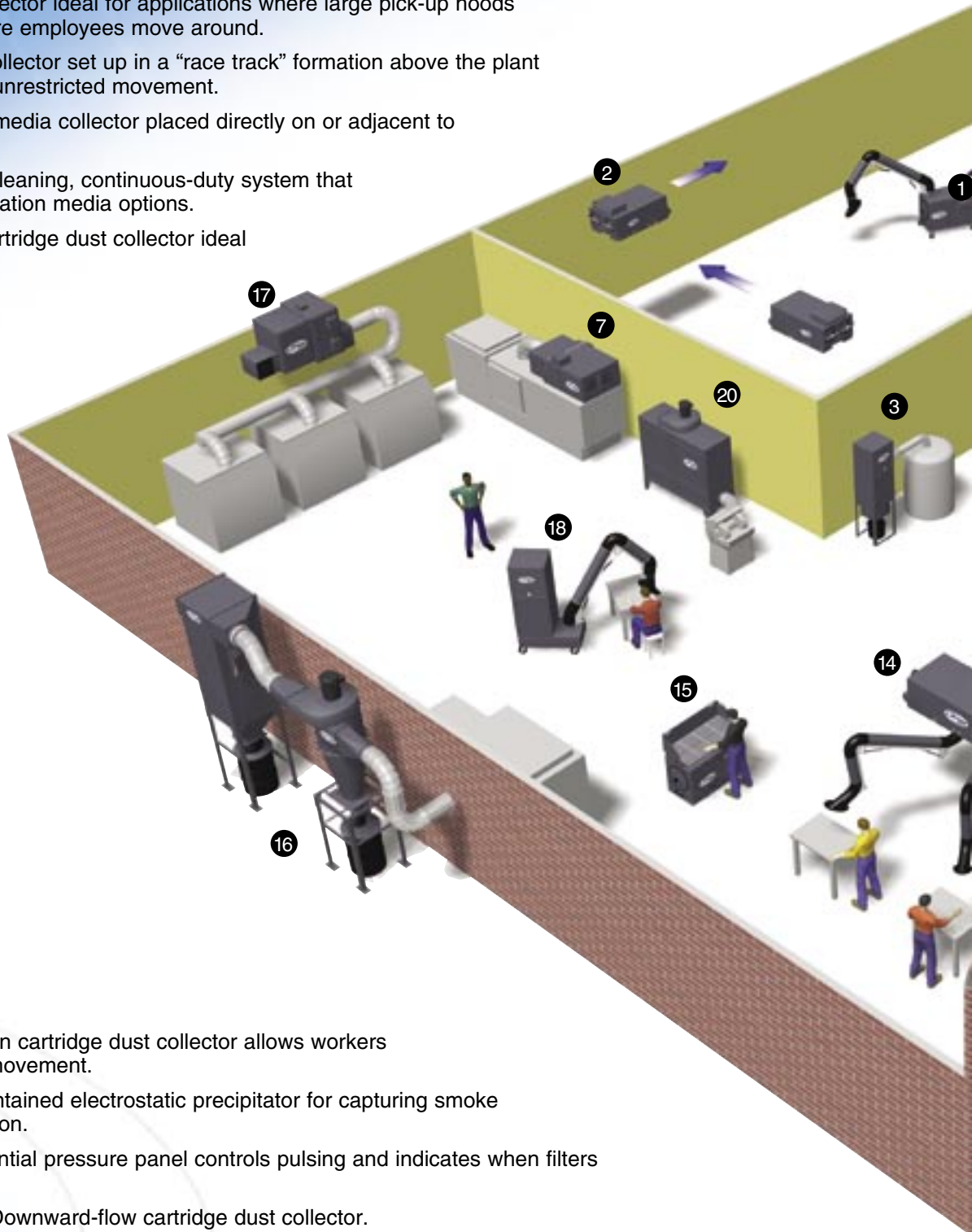
We have access to the most advanced technology and expertise to solve virtually any dust or mist problem your company may have, as well as the ability to provide excellent on-going customer support.

Our knowledgeable Field 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

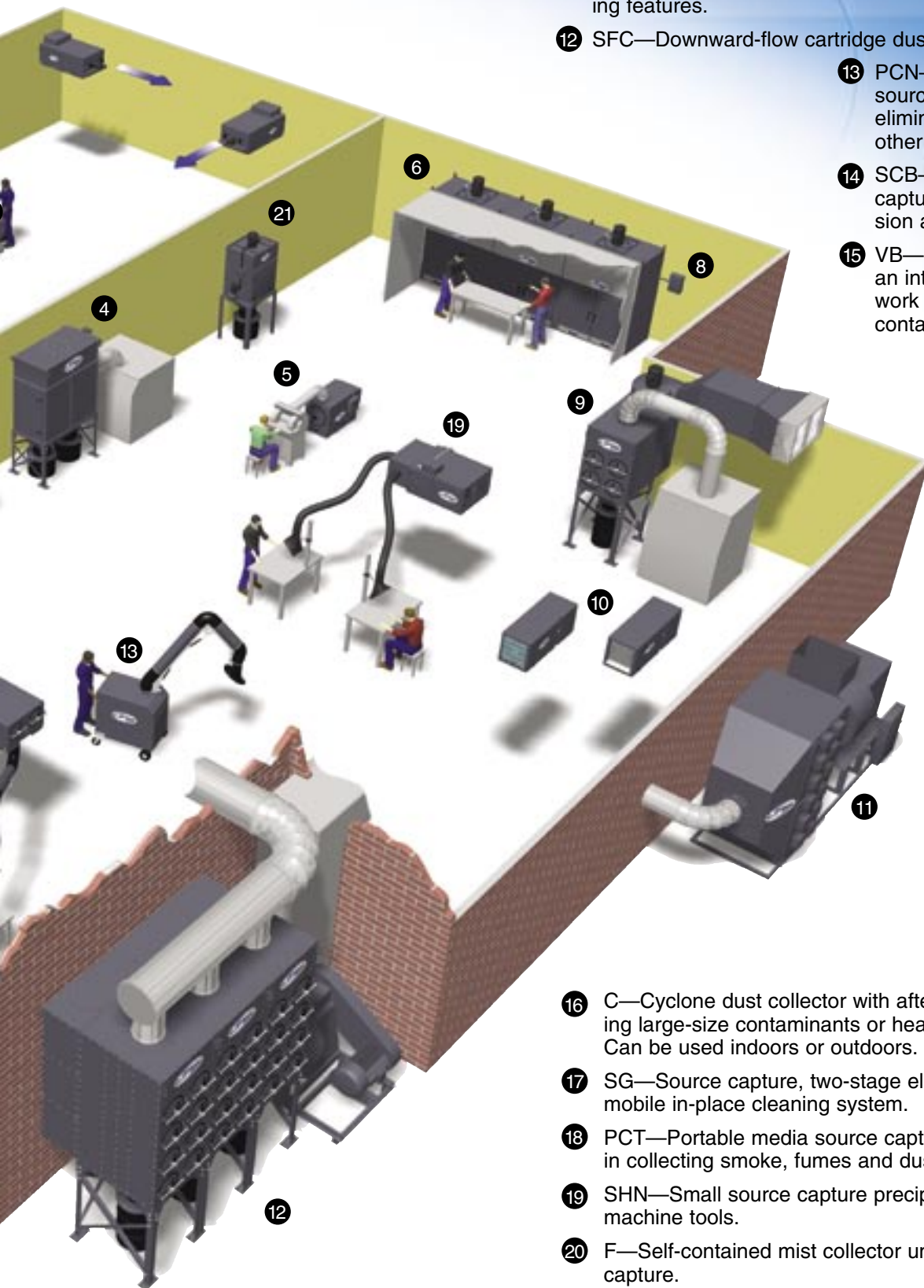
The image below features many of UAS' products used in a variety of industrial applications. All systems can be customized to meet your company's individualized air quality needs.

- 1 VP—Portable dust collector ideal for applications where large pick-up hoods are impractical or where employees move around.
- 2 SCA—Ambient 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, self-cleaning, continuous-duty system that offers multiple high-filtration media options.
- 5 VF—Self-contained cartridge dust collector ideal for ducted operation.



- 6 MCB—Cross-ventilation cartridge dust collector allows workers complete freedom of movement.
- 7 SHN—Ducted, self-contained electrostatic precipitator for capturing smoke at the point of generation.
- 8 Control Panel—Differential pressure panel controls pulsing and indicates when filters need to be changed.
- 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.





11 PSH—Central electrostatic precipitator 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 collector ideal for eliminating welding smoke and other metal oxide fumes.

14 SCB—Ceiling-hung source capture 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 is effective in removing 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 media source capture system that is effective in collecting smoke, fumes and dust.

19 SHN—Small source capture 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.

## WHY CHOOSE UNITED AIR SPECIALISTS?

**A world-renowned reputation.** For over 40 years, we've been an 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.

### UAS HEADQUARTERS – USA

4440 Creek Road  
Cincinnati, Ohio 45242  
1-800-252-4647  
[www.uasinc.com](http://www.uasinc.com)

### UAS – GERMANY

Otto-Hahn-Strasse 6  
D-65520 Bad Camberg  
Ph: +49-6434-94220  
E-mail: [info@uas-inc.de](mailto:info@uas-inc.de)

### UAS – UNITED KINGDOM

PO Box 17  
Folly Lane  
Warrington, Cheshire  
England WA5 0NP  
Ph: +44-1925-654321  
E-mail: [post@clarcoruk.com](mailto:post@clarcoruk.com)

### UAS – ASIA

Flat 1, 15/F, Block 1  
Grand Pacific Views, Palatial Coast  
Siu Lam, Tuen Mun  
New Territories, Hong Kong  
Ph: +852-2814-7722  
E-mail: [dlee@clarcor.com](mailto:dlee@clarcor.com)



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