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## For Immediate Release

Modular construction has multiple filter designs,  
media types and dust disposal discharge options.  
Advanced energy efficient design.

### **New System For Collecting Manufacturing Dust Features Compact Design, Application Versatility, 99.99+% Filtration Efficiency & A Safe, Maintenance Friendly Design For Filter Change Out**

CINCINNATI, OH — May 4, 2004 — Introduction of an all-new, compact, highly versatile collector that can handle virtually any manufacturing dust collection application from powder to woodworking dust, is announced by United Air Specialists, Inc. Designated as Model BDC, the new collector is a self-cleaning, continuous-duty system available in eight series sizes to fit a wide variety of dust collection requirements. The design features pulse-jet cleaning technology that pulses-off captured dust and cleans the filter while the system remains on-line. With minimal pressure drop, the BDC's multiple filter options allow the system to maintain up to 99.99+% filtration efficiency. Regardless of unit series size, all BDC dust collection systems have rugged, heavy-duty construction and a uniform, electrostatically applied powder coated paint that provides a durable finish that prevents fading and chalking.

The design, construction and multiple filter options versatility is such that the BDC series dust collectors can be specified with numerous discharge arrangements (hopper, dust drawer or bin vent), for placement inside or outside of the facility. Also, inlet and outlet air connections can be customized to meet specific design objectives including recirculation of filtered air. In addition there are multiple hopper dust discharge options for convenient dust containment and disposal.

Safe, maintenance-friendly design: Unlike many conventional systems that require workers to crawl inside the unit for maintenance and filter change-out, the BDC series utilizes a tool-free design for quick access and filter removal from the outside of the collector. Unlocking the cam bar and sliding the filter trays out from the system, significantly reduces service time and maximizes worker safety.

Improved energy savings: The low-pressure drop advance design of the BDC series reduces blower horsepower requirements for maximum efficiency and energy savings. Compressed air consumption

has been minimized through the use of optimal cleaning systems and controls to reduce operational costs.

Compact design: The foot print of the BDC series is purposely compact, reducing the amount of valuable floor space normally required by traditional designs. Yet, the modular unit design provides for air filtration capacities from 500 to 7000 ACFM.

Multiple media filter options: To ensure the versatility to effectively capture and filter airborne pollutants for virtually any dust collection application, the BDC series is designed to incorporate four different, yet standard filter configurations and designs. Each is configured to utilize one of four high filtration media filter designs with multiple choices of application specific filter media:

- Ten-inch diameter non-woven filter cartridges comprised of proprietary blends of fibers and polymers. Special application cartridge materials are available for chemical compatibility, fire retardant, fibrous and coarse dusts, washable, anti-static conductive medias, membrane treatments, etc.
- Six-inch diameter spun-bond (polyester, polypropylene, et al) media pleated bags. Material finish options include oil/water repellent, PTFE membrane bonded to spun-bond, and conductive impregnation.
- Six-inch diameter felted bags (media type specified by application, operating temperatures and chemistry of the gas stream.) Filter finish options include napped, singed, glazed, silicone treated, fire retardant, PTFE membrane, acid resistant, chemical resistant and silicone/graphite.
- Two-inch diameter filter bag cassettes with multiple application-specific media choices.

For more than 35 years, United Air Specialists, Inc., has been the industry's leading designer and manufacturer of technologically innovative, high-performance custom air quality solution products for a wide range of industrial dust and mist air pollution environments. UAS air quality systems include the Smog-Hog series of mist collectors, as well as Downward Flow Cartridge, Cross-Ventilation Cartridge, and Intermittent Duty Cartridge dust collection systems. United Air Specialists, Inc., [www.uasinc.com](http://www.uasinc.com) is a CLARCOR Company.

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**Editor's Note:** This release and accompanying photos can be downloaded 24/7 at

<http://www.malonead.com/prdriver/detail.asp?ID=122>

**Photo Captions:**

Photo 1: BDCgroupShot.jpg

## New System for Collecting Manufacturing Dust from UAS

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New Model BDC self-cleaning, continuous-duty collector from United Air Specialists, Inc., is available in eight sizes to fit a wide variety of manufacturing dust collection requirements. System can handle virtually any application from power to woodworking dust.

Photo 2: BDC\_Cutaway.jpg



The new Model BDC dust collection system from United Air Specialists, Inc. features an advanced pulsejet cleaning technology that pulses-off captured dust and cleans the filter while the systems remains on-line. With minimal pressure drop, the BDC's multiple filter options which allow the system to maintain up to 99.99+% filtration efficiency.