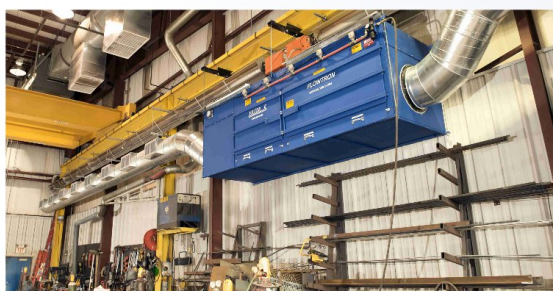


AIR FILTRATION SYSTEMS

Solutions for Dust, Mist, Smoke, and Odor



Complete Systems for All Kinds of Industrial Processes

- Downdraft Tables
- Dust Control Booths
- Dry or Wet Dust Collectors
- Ambient Air Cleaners



Choice of Filter Types

- Ultra-Efficiency Nanofiber Cartridges
- Disposable Panel Filters
- Wet (Water-Based) Filter Systems
- Multi-Stage Disposable Filter Systems



Unique Products & Features

- "Push-Pull" Regain Air System for Booths and Benches
- Wet Type Collectors -- as Ducted, Tables or Booths
- Double (Back-to-Back) Downdraft Benches
- Auto-cleaning Air Filtration Units
- Blow-Off Booths -- Worker Cleaning Stations



Custom Engineering Capability for Special Needs

- Integrated Special Features
- Custom Sizing
- Application-Specific Filter Selection
- Fan Selection
- OEM Filtration Units

FILTER 1

CUSTOM SPECIALISTS FOR INDUSTRIAL NEEDS

TABLES & BENCHES

Designed to Perform. Built to Last.

Disposable Filters

Cartridge Filters

Wet (Water-Based) Filters

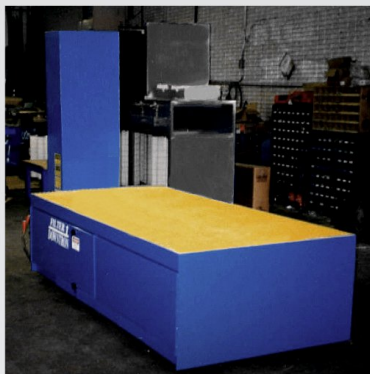
Industrial Downdraft Tables



Sanding Dust Made Simple

Designed specifically for the woodworking industry.

The Downtron DFW is designed to facilitate the woodworker's comfort and productivity with high flow dust capture, side suction slots for sanding over the edge, and a rubber table-top that is easy on the parts and easy on the worker. The DFW's standard MERV 11 filters provide cost-effective collection, easy maintenance, and excellent performance for most wood sanding operations.



Broad Spectrum Collection

Rugged operation for single-station or multi-operator tasks.

The Downtron DFF, built of heavy-sheet steel construction in an all-welded cabinet, is sized to fit the need, from stringent space requirements to room for multiple workers and / or large pieces. The Downtron DFF's large capacity cartridge filters are rated at 99.9% efficient for particles 0.5 microns and larger, and the unit is equipped with a power-pulse automatic cleaning system.



Safe Dust Handling

Drawing hazardous dust directly into the water.

The Hydrotron DHYD is a downdraft table with an integral wet collector for the safe collection of aluminum, titanium, and other potentially hazardous dust, as well as heavy sparking applications, meeting or exceeding OSHA and NFPA regulations for dust removal inside the building. The DHYD also recirculates the filtered air, saving on heating and cooling costs.

Dust Collector Workstations



The "Lean Cell" Bench

Streamlined solution for fine dust and smoke.

The Benchtron BFP, an energy-efficient compact unit with no compressed air piping, is easy to move and easy to adapt: various types of media filters are easily changed out for different applications. In addition, the air flow is adjustable, from low velocity -- for applications such as welding, to high velocity -- for applications such as grinding.



The "Super Bench"

Exceptional performance for all kinds of industrial jobs.

The Benchtron BF, with adjustable capture velocities of 150 to 800 FPM, features automatic self-cleaning, fluorescent lighting, and the regain air, "Push/Pull" technology pioneered by Filter 1 to provide a blanket of clean air in the "breathing zone." High-efficiency cartridge filters remove 99.9% of all particles 1/2 micron and larger. The Benchtron may be single or double (back to back), up to 48" deep and 12 feet wide.



Maximum Control of Hazardous Dust

Wet collector, plus containment enclosure, plus regain-air plenum.

The HYDROTRON DHYD, equipped with the optional clear plastic workstation enclosure, provides for containment, integral fluorescent lighting, and regain air. The optional Filter 1 "Push/Pull" Regain Air System takes a portion of the filtered air and discharges it down toward the table top to "push" contaminants away from the worker as the blower simultaneously "pulls" the dirty air into the table grating.

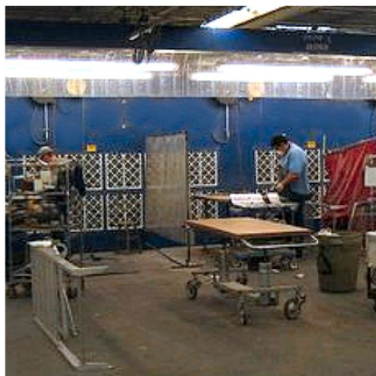
FILTER 1

CUSTOM SPECIALISTS FOR INDUSTRIAL NEEDS

BOOTHS & COLLECTORS

Enhanced Dust Capture. High-Efficiency Filtration.

Disposable Filters



Versatile Contaminant Collection

Multi-stage filtration for moderate dust collection needs, as well as for toxic dust.

The **Dustron DPB** is designed for collecting dust, smoke, fumes, or mist from light, continuous applications to heavy, intermittent applications. In addition, the multi-stage filter system may be equipped with media filters suitable for capturing highly toxic dust. The easy-to-change panel filters run well below the flow rating, resulting in high dust holding capacity and low energy consumption.

Cartridge Filters



The Original Regain Air Booth

Powerful control for sanding, grinding and welding.

The **Dustron DB** features adjustable regain air for working area velocities of 400 to 800 FPM. Rated at 99.9% efficient in the capture of particulate 0.5 microns and larger, the large capacity cartridge filters (12.75" dia. x 30" long) are vertically oriented to provide even, full-capacity filter loading and cleaning. The automatic self cleaning system assures consistent performance and long filter life.

Wet (Water-Based) Filters



Advanced Wet Collection

Classic water filter booth now more compact, with full front access.

The **Hydrotron HPB** provides safe collection of aluminum, titanium, and other potentially hazardous dust, as well as heavy sparking applications. The HPB's minimum capture velocity of 300 FPM may be increased up to 800 FPM with the optional regain air system. With all service and controls on the front of the booth, the Hydrotron Mark II Series may be placed against a wall to conserve space.

Dust Control Booths



Mist, Smoke & Odor Control

Sized, powered, and equipped with the specific filter for the target contaminant.

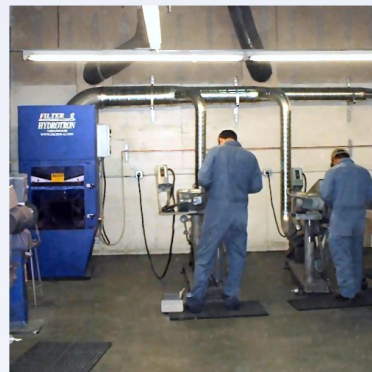
The **MISTRON MF**, ranging from 2 HP, 1000 CFM to 30 HP, 16,000 CFM, offers a choice of filter material for collecting oil mist, water-based mist, or smoke, or providing odor control. An optional high-density metal mesh washable pre-filter is available for wet grinding applications.



Multi-Purpose Dust Collection

High-efficiency cartridge filtration is the best answer for most types of industrial dust.

The **Pulsatron PFV** features large capacity cartridge filters that are rated 99.9% efficient in the capture of particles 0.5 microns and larger, and are vertically oriented for full, even dust loading and optimal filter cleaning. The backward-inclined, direct drive blowers provide quiet, efficient operation.



Meeting or Exceeding the Standards

Safe removal of hazardous dust according to OSHA & NFPA regulations.

The **Hydrotron HWF** uses a water filter with a reliable, automatic fill system to safely and conveniently collect aluminum and other potentially hazardous dust. With collectors ranging from 500 CFM to 15,000 CFM, the HWF Series meets a broad spectrum of industrial needs, whether single process or larger, multi-point operations. Optional drag-type sludge conveyors are also available for heavy dust applications.

Ducted Collectors

FILTER 1

CUSTOM SPECIALISTS FOR INDUSTRIAL NEEDS

AIR FILTRATION SYSTEMS

Engineered Solutions for Industrial Problems



Cyclotron. High efficiency cyclone separator provides reliable, low maintenance operation with direct drive, backward inclined airfoil blowers on the clean side of the cyclone.



Bagtronic. Pulse jet baghouse dust collector keeps up with the most demanding jobs, providing online cleaning for continuous-duty operation.



Flowtron AC. This unit is used in areas where source capture of welding smoke is not feasible. Its high-powered capture velocity and automatic filter cleaning make the free-hanging industrial air cleaner an outstanding performer for weld smoke. The only regular maintenance required is the emptying of the barrel located on the floor. Optional hopper allows 4 to 10 units to be hooked together for automatic emptying of the hopper.

Weldtron 2000. Designed for school welding shops, the self-contained work station has built-in safety features and an adjustable-height table surface. The Weldtron provides exceptional energy efficiency of 2000 CFM at only 1 HP, running on 120v. Disposable filter will hold welding smoke from 600# mig wire.



Pulsatron PF. Extra-large, high-efficiency cartridges are oriented horizontally, giving easy access and a generous amount of media packed into a small footprint.

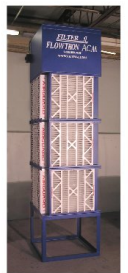


BOB. The Blow-Off Booth provides workers a powerful cleaning station as they leave the dusty plant environment, increasing both worker comfort and contaminant control. The Blow-Off Booth is often used in places where the dust is carcinogenic.



Walltron. Backdraft unit is multi-stage & multi-purpose: the filter rack design allows selection of filter efficiency to meet any need.

Flowtron ACM. Stackable panel filter modules provide cost effective, user-friendly air filtration, whether it be welding or grinding.



FILTER 1

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