A Stand-Alone for Industrial Needs

"Push-Pull" Regain Air / Clean Air Curtain
The regain air plenum returns a portion of the clean, filtered air to push contaminants at 400 FPM away from the worker's breathing zone and toward the work surface as the particulate is simultaneously pulled into the filter section.

Ultra-efficiency Nanofiber Cartridge Filters
Rated at MERV 15 efficiency, the Benchtron's nanofiber cartridge filters operate at a 40-60% lower pressure drop than traditional cartridge medias, resulting in lower energy consumption and a longer filter life. In addition, the cartridges are vertically-oriented for even loading and thorough removal of the dust cake during the automatic cleaning cycle. The filter cleaning system utilizes a programmable logic controller (PLC) for reliability and flexibility.

Customization
The Benchtron Series includes single or double (back-to-back) workstations up to 12' wide, depending on the dimensions needed for the size of operation and available space. Options include special features such as a crane slot, pneumatic turntable, adjustable table height, auger to remove dust after pulse jet cleaning of filters, or two velocities -- one for welding and one for grinding.
**Benchtron Series**

Dust Collector Single and Dual Workstations

**Typical Applications**
- Grinding/Sanding Dust
- Welding/Soldering Fume
- Dry particulate
- Wood Dust

**Composite Dust**
- Fiberglass Dust
- Marble Dust
- Plastic Dust

**Selected User List**

- United Airlines
- Boeing Corporation
- Raytheon
- General Electric
- Bell Helicopter
- U.S. Air Force
- U.S. Coast Guard
- Exide Technologies
- Northrop Grumman
- Westinghouse

**Guaranteed to meet or exceed OSHA requirements for the breathing zone.**

**Options / Customization**
- TEFC Motors, Single and Three Phase
- Carbon After Filters
- Odor Absorption Modules
- Sound Attenuators
- Choice of Work Surface Grating
- Various Hole Size Grate
- ASHRAE or HEPA Safety Filters
- Safety Monitor Gauge and Alarm
- Spark Trap for Welding or Heavy Grinding
- Various Filter Media for Special Applications
- Slotted Regain Roof for Crane Loading
- Auxiliary Air and Power Outlets
- Compressed Air Regulators and Filters
- High Temperature Cut-off of Blower
- Fire Sprinkler Heads
- Powered Adjustable Table Height
- "Off Line" Cleaning
- Pneumatic Turntable for Lifting/Spinning Parts
- Motor Starters & Electrical Disconnects with Transformer for Solid State PLC and Lighting

**Benchtron Single Station**

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<th>DIMENSIONS*</th>
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**Benchtron Double Station**

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*Larger / Custom Sizes Available: Consult Factory*

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Garland, TX 75041
972-278-2664
info@filter-1.com

**FILTER1**

www.filter-1.com