

# *Single Source for All Your Air Pollution Control Service Needs*

**MICRONICS**  
ENGINEERED FILTRATION GROUP



**Benefit From Our Decades of  
Expert APC System Solutions**



**C.P.  
ENVIRONMENTAL**



**UNITED  
PROCESS  
CONTROL**

[www.Micronicsinc.com](http://www.Micronicsinc.com)



# Contact Us to Put Our Baghouse Maintenance & Repair Services Expertise To Work for Your APC Equipment Needs



At Micronics Engineered Filtration Group – our aim is to be your turnkey baghouse solutions provider, your Single Source for Air Pollution Control (APC) System Needs.

We are constantly striving to provide you with unparalleled customer service, wide-ranging industry knowledge, proven engineering expertise in the air pollution control arena, and a firm commitment to working closely with you in the field, face-to-face.

**From Complete Maintenance and Repair Solutions to Baghouse Troubleshooting, Upgrades and Conversions, think of us as your Turnkey APC source.**

**The Dust Stops Here.**

The Micronics Engineered Filtration Group provides complete Baghouse Maintenance and Repair Services, replacement filters and parts, and equipment upgrades, rebuilds or new equipment to numerous industries including yours.

Here is a partial list of industries serviced by Micronics’ Dry Filtration Services team:

- Steel and Iron Processing, Foundries
- Waste-to-Energy (Energy-from-Waste)
- Energy, Utilities, Power Generation
- Aggregates, Cement, Lime & Asphalt Production
- Non-ferrous Metal Processing
- Food Processing
- Agriculture, Grain, Seeds, Sugar
- Chemicals, Plastics
- Paint & Pigments
- Petrochemicals
- Wood

**Contact Us to learn more about our experience serving your industry.**



## Products & Services Overview



### BAGHOUSE MAINTENANCE SERVICES

Complete Filter Bag Changeout Services, Baghouse Inspection & Audit Services, 24-Hour Emergency Response Services, High Efficiency Baghouse Cleaning (without bag removal). With our highly-trained field service teams and decades of experience, you can trust that we will do the job properly – and safely – the first time.

### MECHANICAL & WELDING REPAIRS

Complex Mechanical Repairs and Rebuilds of APC Equipment including Hoppers, Housings, Tube sheets, Cleaning systems, Duct work, Dampers, Pulse Pipes, Expansion Joints, Access Doors, Screw Conveyors, and more.



### BAGHOUSE RETROFITS, CONVERSIONS & UPGRADES

Economical Retrofits, Conversions, Replacements, Upgrades and Expansions to Optimize Your Dust Collector's Performance. Work with us to convert a Shaker or Reverse-Air to a Pulse-Jet or upgrade a Bottom Bag removal to a Top-Removal system.

### FILTER BAGS, PLEATED FILTERS & CARTRIDGE FILTERS



Replacement bags to suit your industry, application, operating demands, and virtually any dust collector brand. Fabrics, finishes, styles and sizes to meet your baghouse's needs.

### CAGES & VENTURIS



Wide choice of configurations and materials of construction. Cage designs can be supplied with or without integrated venturi. Ask us about the AeroPulse "Twist Lock" venture design.

### INSTALLATION HARDWARE



Spring (Tensioning) Assemblies for Reverse-Air bags; Bag Caps, J-Bolts and Mounting Hubs; Couplings; Clamps; "Double D" and "L" Hangers for Strap top and Loop top bags.

### BAGHOUSE PARTS & ACCESSORIES



Diaphragm Valves, Solenoids & Valve Repair Kits; Magnehelic® and Photohelic® Differential Pressure Gauges; Timer Boards and Enclosures; Sonic Horns and more.

### LEAK DETECTION POWDER, INSPECTION LIGHTS & PRECOAT



Leak Detection Powder in variety of Fluorescent Colors & Leak Detection Inspection Lights for pinpointing failed filters, cracked tube sheet or bad bag seals; Precoat Filter Aid to prevent blinding and plugging of your filter bag.



# Baghouse Maintenance & Repair Services

## Complete Filter Bag Changeouts

Filter bag replacement can be a dirty and potentially dangerous job. Micronics' Baghouse Maintenance Professionals have over 250 years of combined experience in filter bag replacement services across many demanding industries.

With this experience comes a methodical, regimented process and the reassurance that the job will be done in a safe, professional, timely, and efficient manner.

**Our crews set the benchmark for the industry.**

Our full-time, OSHA and MSHA-trained and certified service crews have the expertise and capabilities to perform filter bag changeouts on **on any type of dust collector or baghouse in service today.**



## High Efficiency Filter Bag Cleaning (HEC)



High Efficiency Cleaning (HEC) is performed on-site and in place and... **There Is No Bag Removal.**

Typically, this single bag cleaning is 10x greater than Pulse-Jet Cleaning. If compartment isolation is possible, we can perform this service during normal operation.

Talk to our baghouse experts about whether High Efficiency Cleaning is an appropriate option for your baghouse.

With decades of experience, our teams understand the requirements to safely complete a project - whether offline or online – in which process conditions and site logistics are significant considerations.

With Micronics' Maintenance Service Professionals, you can be assured that we'll do the job safely and properly – the first time – with minimal downtime and within the timeframe required.

## Baghouse Maintenance & Repair Services

### Baghouse Audits, Preventative Maintenance, and Emergency Services



Regular inspections and preventative maintenance programs are an important part of keeping your dust collection system operating efficiently.

The Micronics Service Team offers the tools to save you time and money – **Before There is a Problem.**

Our service team is experienced in APC equipment audits and in providing detailed reports of your baghouse's condition on a monthly, quarterly, semi-annual or annual basis. We are trained to not only perform the audit, but to make expert recommendations and to do the needed repairs to keep your system in compliance.

When emergencies do arise and you need immediate help, it is reassuring to know that – 24 hours per day – you can turn to Micronics to resolve the issue in an efficient and prompt manner.



### Complex Mechanical and Steel Repairs

As dust collectors get older, they can experience wear and corrosion that can have a negative effect on filter bag life and overall system performance. With Micronics, you can count on all of the expertise needed for technically complex mechanical and welding repairs to your APC system.

Our crews are certified and experienced in a wide range of APC system repairs on:

- Hoppers
- Housings
- Tube sheets
- Cleaning systems
- Duct Work
- Dampers
- Pulse Pipes
- Expansion Joints
- Screw Conveyors
- Fan Housings
- Access Doors

No matter how well-designed your APC equipment, regularly scheduled preventative maintenance and baghouse repairs are essential for optimizing baghouse performance and ensuring consistent compliance.



Crew members on the Micronics Dry Filtration services team are certified and experienced to work in all atmospheres and in confined spaces.

We look forward to putting our maintenance and repair services expertise to work for your dust collector systems.

**The Dust Stops Here.**



## Baghouse Retrofits, Conversions & Upgrades

While there have been many advances in dust collector designs and capabilities over the years, not everyone is in a position to purchase a new unit. The Micronics Engineered Filtration Group can provide the knowledge, expertise and manpower to convert your existing dust collector to a more functional and efficient system.

The Micronics Engineered Filtration team excels in expertly **engineered Air Pollution Control (APC) solutions** including economical Baghouse Retrofits, Conversions & Upgrades.

Updating your existing system from a Mechanical Shaker or Reverse-Air Dust Collector to a Pulse-Jet Dust Collector may deliver benefits like improved collection efficiency, increased filter bag life and reduced operating costs.

Our team can design, fabricate, and install clean air plenums, tube sheets, and hoppers, and re-line/rebuild clean and dirty air plenum walls.

Converting your existing equipment can typically be accomplished for around half the cost of replacing it. When we convert/upgrade your existing baghouse equipment, we will typically leave the inlet piping, electrical cabling and foundations intact, resulting in substantial cost-savings over greenfield installations.



Eliminating thimbles from the tube sheet



Converting to new, snapband style floor



**Converting your existing equipment can typically be accomplished for around half the cost of replacing it.**

The Micronics Engineered Filtration team has proven expertise in conversion from Bottom Bag to Top Bag Access and Snapband Bag Removal.

Contact the experts at Micronics Engineered Filtration Group to see if snapband bag removal makes for an easier installation, removal and change-out for your challenging APC system needs.

## Focus on Safety: Our Top Priority

Each and every crew member, supervisor, and the entire Management team at Micronics Engineered Filtration is focused on Safety as Our Top Priority - for both our team and yours!

Along with site-specific safety requirements that are thoroughly reviewed prior to commencing each and every project, all of our crew members are OSHA and MSHA-trained and certified.



Our crews participate annually in both MSHA and OSHA refresher courses. These classes include Lock Out/Tag Out, Respiratory Protection, and Fall Protection. Our crew is trained in HAZWOPER, Confined Space Entry, as well as in lead, cadmium awareness and protection.



We are proud contractor members of ISNetwork. To assist with our Focus on Safety, we utilize the audit services of ISNetwork on an ongoing basis and have consistently maintained an "A" rating.

When we say **'Your Single Source for All Your Air Pollution Control Service Needs'**, we mean much more than doing baghouse changeouts, performing mechanical or steel repairs, or supplying you with the replacement filter bags and spare baghouse parts and accessories to keep your plant in compliance and operating efficiently.

Our supervisors and team of OSHA and MSHA-certified service technicians excel in implementing stringent field safety management services that give you and your facility peace-of-mind.



**You can trust the Micronics Engineered Filtration Group and its leading brands – CPE and UPC – to be your total turnkey solutions providers for all your APC equipment needs.**

**And, with Micronics, you can be assured that focus on safety is always our top priority.**

# Micronics Engineered Filtration Group

You may have known us individually as C.P. Environmental ("CPE") or United Process Control ("UPC").

CPE and UPC joined the Micronics Engineered Filtration Group in 2015. Combined, they have a 70 year heritage in serving industrial pollution control industry's needs in North America.

Under the Micronics Engineered Filtration banner, you can benefit from filter press expertise and the air pollution control solutions to ensure that your baghouse is operating efficiently and in compliance with all relevant EPA and OSHA standards.

The Micronics Engineered Filtration Group's leading brands include:

- Micronics
- Southern Filter Media ("SFM")
- C.P. Environmental ("CPE")
- United Process Control ("UPC")
- AeroPulse

**Contact us so that we may put our expertise to work for your APC System challenges.**



SINGLE SOURCE FOR FILTER PRESS AND AIR POLLUTION CONTROL NEEDS

**MICRONICS**



SOUTHERN  
FILTER  
MEDIA

**MICRONICS**

ENGINEERED FILTRATION GROUP



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ENVIRONMENTAL



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