About TRION®
Since 1947, TRION has provided quality products for the commercial and industrial markets, engineered specifically to provide a clean, safe, and comfortable indoor air environment.

Dependable performance, superior product quality, and excellent customer service are essential to TRION’s long-term success. TRION has developed a level of technical expertise that allows us to create innovative products and cost-effective solutions to serve our customers' air cleaning problems worldwide.

TRION® Air Purification Systems
TRION offers a complete line of commercial and industrial air filtration systems for your applications, including electrostatic precipitators, media and cartridge air cleaners, HEPA filters, and smoke eliminators. Our air purification systems help to:

- Protect employee health
- Comply with government regulations
- Improve productivity
- Reduce operating costs
- Conserve energy through recirculation
Air Boss M-Series
Media & Adsorption Air Cleaner

- Straight-through or side discharge to better control airflow pattern
- Belt driven blower and variable pitch sheave allows adjustment for precise CFM operating range
- Collects wet or dry particles, which provides versatility in a wide range of applications
- Optional high static blower packages provide capacity for more contaminant pickup points
- Optional odor and high efficiency filters - from HEPA and adsorber modules to mini-pleat filters (194/388 square feet) for maximum efficiency and effectiveness

Air Boss T-Series
Electronic Air Cleaners

- Straight-through or side discharge to better control airflow pattern
- Integral motor starter on three-phase units to simplify installation
- Belt driven blower and variable pitch sheave allows adjustment for precise CFM operating range
- Collects wet or dry particles, which provides versatility in a wide range of applications
- Spiked ionizers prevent common wire breakage and replacement

Air Boss Model 75
Electrostatic Precipitator

- Effectively removes airborne solids, liquids, and odors
- Factory assembled, built-up construction for simplified installation and service
- Durable, efficient cell design for long term performance and reliability
- Spiked ionizers prevent common wire breakage and replacement
- Integral Programmable Logic Controller (PLC) automates cleaning process to reduce maintenance costs and ensure efficient air cleaning at all times
- ETL approved to UL Standard 867
- Up to 98% efficient on 0.3 micron particles
Air Boss Model 38
Industrial Mist Precipitator
- Removes fumes and oil mist from discharged air to help maintain a cleaner work environment and reduces costly maintenance cleanup of oily accumulations
- With spiked ionizers, there are no ionizing wires to replace, thereby reducing maintenance replacement costs
- Low and constant static pressure ensures machinery performance is maintained without excessive static pressure buildup
- Meets the requirements of MIL-S-901D Grade A, Class I, High Impact Shock
- Meets the requirements of MIL-STD-167 Environmental Vibration
- Meets the requirements of ILD-STD-461 Electromagnetic Interference
- Easily installed and maintained; installs in less than an hour!

Air Boss MP600M
Mist Collector
- Cleans and re-circulates indoor air, so there is no expense to reheat or cool air
- Wall, platform, or machine mounting, which eliminates the need for elaborate duct work and saves floor space
- Collects wet or dry particles, providing versatility in a wide range of applications
- Vertical design increases draining of filters for better collection efficiency
- Wired directly to machine tool control for simultaneous operation
- High static blower option allows up to 900 CFM range at 4.0 inches total S.P.
- Optional HEPA filter for 99.97% efficiency on 0.3 micron particles

Grease Viper
Electrostatic Air Cleaner
- Designed in accordance with NFPA 96-2011 criteria
- ETL Agency Listing per UL-867 and UL-710
- Electrostatic cells with spiked ionizers and ceramic insulators
- Solid state power supplies
- Water-wash components
- Integrated PLC controls for sequencing of automatic wash system
- Remote status panel with LED indicators
- Optional fan package
- Optional fan mounting rail base for simplified installation
**VOMP 600**
Vertical Oil Mist Precipitator

- Up to 95% efficient on 0.3 micron particles
- Cleans and re-circulates indoor air, so there is no expense to reheat or cool air
- Wall, platform, or machine mounting eliminates the need for elaborate duct work and saves floor space
- Can be wired directly to machine tool control for simultaneous operation
- Spiked ionizer increases efficiency and reliability
- Washable collector cell eliminates filter replacement costs
- Low airflow resistance reduces energy costs
- Venturi-assisted high-voltage insulator forces clean air across critical areas of the insulator to provide longer service intervals

**CA3000C & CA6000C**
Cartridge Air Cleaners

- Long-life filter cartridges provide up to 99% efficiency at 0.5 microns. Cartridges have eight times more surface collecting area than comparable bag media type air cleaners, resulting in greater dirt-holding capability and longer filter life.
- In-place, cartridge cleaning utilizes compressed air to minimize maintenance and reduce downtime
- Each filter is pulsed independently for better cleaning of the cartridge during cleaning cycle
- Three pulse options - manual, timed, and "on demand"
- Side access doors simplify maintenance and cartridge removal
- Backward-inclined airfoil fan is energy efficient

**Mini M.E.**
Mini Mist Collector

- Compact cabinet design
- Six-foot cord and plug fits standard 120VAC outlet
- Up to 95% efficient on 0.3 micron particles
- Cleans and re-circulates indoor air
- Ceiling, platform, or machine mounting eliminates the need for elaborate duct work and saves floor space
- Can be wired directly to the machine tool control for simultaneous operation
Grease Viper
Commercial Air Cleaner

- Designed in accordance with NFPA 96-2011 criteria
- ETL Agency Listing per UL-867 and UL-710
- Electrostatic cells with spiked ionizers and ceramic insulators
- Solid state power supplies
- Water-wash components
- Integrated PLC controls for sequencing of automatic wash system
- Remote status panel with LED indicators
- Optional fan package (UL-762 rated for kitchen exhaust)
- Optional fire suppression coverage with Ansul® Nozzles (to comply with NFPA 96 requirements)
- Optional fan mounting rail base for simplified installation

Air Boss KES Series
Kitchen Exhaust Filtration System

- Multi-stage, self-contained filtration unit that ensures maximum effectiveness through the use of an electrostatic precipitator, a 95% DOP media filter, and carbon modules for odor control
- High efficiency at low, constant pressure drop
- Compliance with EPA, state, and local air quality laws and regulations
- Cleaner, fresher kitchen exhaust that fosters "goodwill" with commercial and residential neighbors, along with federal, state, and local government agencies

Air Boss ATS
Air Purification System

- UL listed as a kitchen exhaust hood and duct accessory
- MEA approved for New York City installations
- Solid state, pulse width modulating power supplies
- Extra-depth electrostatic collecting cells with spiked ionizing blades
- Motorized water wash manifolds with spray nozzles (ESP section)
- Integral mounting rails
- Optional second stage safety filters (electrostatic precipitator or bags) and third stage odor control (activated carbon or potassium permanganate)
- Optional UL 762, grease-rated fan package
- Optional Ansul® fire suppression components to meet NFPA 96 requirements
Product Guide
Commercial Kitchen Exhaust

Air Boss Model 75
Electrostatic Precipitator
• Effectively removes airborne solids, liquids, and odors
• Factory assembled, built-up construction for simplified installation and service
• Durable, efficient cell design for long term performance and reliability
• Spiked Ionizers prevent common wire breakage and replacement
• Integral Programmable Logic Controller (PLC) automates cleaning process to reduce maintenance costs and ensure efficient air cleaning at all times
• ETL approved to UL Standards 710 and 867
• Designed to NFPA 96 standards for kitchen exhaust
• Up to 98% efficient on 0.3 micron particles
• Optional fire suppression system

Smoke Eliminators

SE400E and SE800E
Smoke Eliminators
• ARC suppression power supply reduces disruptive snapping noise and extends life of power supply
• Low profile design provides appealing unit with no elaborate duct work or installation
• Removes up to 95% of tobacco smoke, dust, pollen, lint, bacteria, and mold spores
• Recirculates clean indoor air, eliminating expense to reheat or cool air
• Service indicator light
• Hinged access doors make it easy to maintain and remove filters

Apple Headquarters | Cupertino, CA
Featuring TRION Model 75
## Product Overview Chart

<table>
<thead>
<tr>
<th>SERIES</th>
<th>M-Series</th>
<th>T-Series</th>
<th>Model 75</th>
<th>Model 38</th>
<th>MP600M</th>
<th>Mini M.E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contaminant</td>
<td>Dust Smoke Mist</td>
<td>Smoke Mist</td>
<td>Dust (HVAC) Smoke Mist</td>
<td>Smoke Mist</td>
<td>Smoke Mist</td>
<td>Smoke Mist</td>
</tr>
<tr>
<td>Application</td>
<td>Grinding</td>
<td>Welding Heat Treating Machining</td>
<td>Grinding Heat Treating Machining</td>
<td>Welding Heat Treating Machining</td>
<td>Gas Turbines Compressors Vacuum Pumps Diesel Engines</td>
<td>Grinding Machining Washers Turning</td>
</tr>
<tr>
<td>Airflow (CFM)</td>
<td>1,000-4,000</td>
<td>1,000-5,000</td>
<td>1,000-25,000</td>
<td>150-600</td>
<td>400-900</td>
<td>300-650</td>
</tr>
<tr>
<td>Media Type</td>
<td>Media</td>
<td>Electrostatic</td>
<td>Electrostatic</td>
<td>Electrostatic</td>
<td>Media</td>
<td>Electrostatic</td>
</tr>
<tr>
<td>Duty Cycle</td>
<td>Continuous</td>
<td>Intermittent Continuous</td>
<td>Intermittent Continuous</td>
<td>Intermittent Continuous</td>
<td>Intermittent Continuous</td>
<td>Intermittent Continuous</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>VOMP 600</th>
<th>CA Series</th>
<th>Grease Viper</th>
<th>KES Series</th>
<th>ATS</th>
<th>SERIES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoke Mist</td>
<td>Dust Smoke</td>
<td>Grease Smoke</td>
<td>Grease Smoke</td>
<td>Dust Smoke Mist</td>
<td>Contaminant</td>
</tr>
<tr>
<td>Wet Cutting</td>
<td>Welding</td>
<td>Commercial Cooking Welding Heat Treating</td>
<td>Commercial Cooking</td>
<td>Welding Heat Treating Machining Forging Molding</td>
<td>Application</td>
</tr>
<tr>
<td>Wet Grinding</td>
<td>Grinding</td>
<td>Heat Treating</td>
<td></td>
<td></td>
<td>Airflow (CFM)</td>
</tr>
<tr>
<td>Washers Turning</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Media Type</td>
</tr>
<tr>
<td>300-800</td>
<td>1,500-6,000</td>
<td>800-29,000</td>
<td>1,200-4,500</td>
<td>1,000-10,400</td>
<td>Cleaning</td>
</tr>
<tr>
<td>Electrostatic</td>
<td>Cartridge</td>
<td>Electrostatic</td>
<td>Electrostatic</td>
<td>Electrostatic</td>
<td></td>
</tr>
<tr>
<td>(Compressed Air)</td>
<td>Water Wash</td>
<td>Water Wash</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Intermittent</td>
<td>Continuous</td>
<td>Intermittent</td>
<td>Intermittent</td>
<td>Intermittent</td>
<td></td>
</tr>
<tr>
<td>Continuous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Note: Bold project names indicate projects featured on this page.

Museum of Art | Philadelphia, PA
Model 75

Blue Cross Blue Shield | Boston, MA
Grease Viper

Facebook Corporate Office | New York, NY
Grease Viper and Air Boss KES

Red Lobster Headquarters | Orlando, FL
Air Boss KES

Tyco Electronics | Greensboro, NC
MP600M and M-Series

Trumpf | Farmington, CT
T-Series

1 Hotel | Miami Beach, FL
Air Boss ATS

General Dynamics Electric Boat | North Kingstown, RI
CA3000C

New Jersey Department of Transportation | Trenton, NJ
CA6000C

General Electric Power Systems | Houston, TX
Model 38

World Trade Center | Dubai, UAE
Model 75

Flowserve | Various U.S. locations
Mini M.E.

Museum of Art | Philadelphia, PA
Featuring TRION Model 75

1 Hotel | Miami Beach, FL
Featuring TRION Air Boss ATS

Facebook | New York, NY
Featuring TRION Grease Viper and Air Boss KES

World Trade Center | Dubai, UAE
Featuring TRION Model 75
Committed to Providing Clean, Comfortable and Safe IAQ Solutions
Since 1947, TRION has manufactured quality engineered products for commercial, industrial, and residential markets to provide clean, safe, and comfortable indoor air environments. To learn more about how we can assist you in your next indoor air quality application, visit us on the web at www.troniaq.com or simply contact your nearest TRION representative.

Proud to be a Division of Air System Components, Inc. (ASC)
Air System Components, Inc. is a market-leading supplier of heating, air conditioning, and ventilation system components for commercial, industrial, and residential applications. Constant investment in new tooling and processes, ongoing employee training and quality programs, and essential involvement in industry research and standards organizations ensures that our products provide the value and quality customers have come to expect.

Indoor Air Quality Since 1947
ISO 9001:2015 Certified
Industry Membership:
ASHRAE

To help serve you better, please contact us at:
800-884-0002 (tel)
800-458-2379 (fax)

TRION®
101 McNeill Road
Sanford, NC 27330
www.troniaq.com
customerservice@troniaq.com

TRION® is a registered trademark of Air System Components, Inc. Air System Components, Inc. is a subsidiary of Johnson Controls Inc. All product specifications reflect available information at the printing of this brochure. TRION® reserves the right to revise or modify products and/or specifications without notice. © 2018 TRION®

T-CIGUIDE-0518