Rowe Equipment, Inc

Process Filtration

Benefits of Static Control:

- **Operate machines at higher speeds with fewer malfunctions**
- **Process materials more efficiently with fewer rejects and less waste**
- **Prevent soiling and contamination of products by dust particles**
- **Protect machine operators from shocks or more serious injury**
- **Significantly improve product quality**

In the presence of static electricity, materials can stick to or repel each other and dust or contaminates can attract to equipment surfaces and products. This static causes interrupted production, slowed production speeds, decreased product quality, increased rejects, and personnel may experience electrostatic shock.

Static elimination products are designed and engineered to handle your toughest and most costly static electricity problems in the widest possible variety of **industrial applications**:

- Converting
- Textiles
- Printing
- Electronics
- Packaging
- Plastics
- Painting & Finishing
- General Manufacturing

Types of static control include Static Eliminator Bars, Anti-Static Blowers, Precision Point and In-line Ionizers, Static Generators, Measuring & Monitoring Devices, and Passive (no power needed) Static Neutralizers.

Static Eliminator Bars

NEOS Series

Highest level of intelligence and performance

- Ultra-high static elimination performance for most demanding applications
- Uses Adaptive Intelligence – 2 auto & 3 manual settings for optimal control
- Remote and local monitoring of power status and "Clean Me" function
- Static neutralizing performance across full length of bar
- Shockless with durable tungsten emitters
- 24VDC with internal HV power supply
- Models to match multiple distances and speeds

Model 33 (XIFOS33) New!
- Long range and wide area coverage; up to 60"

Model 20
- Mid range; 6" to 30"

Model 12F
- High speed up to 4500 ft/min; 1.5" to 6"

Model 3024 Series

High Speed and Long Range versions

- Powerful static neutralization meets the requirements of high performance machinery
- Compact unit with built-in electronics
- Integrated high voltage power supply, requires only a low voltage 24V DC input
- Shockless, resistively coupled emitters made in tungsten for long life
- Built-in remote monitor for operational status

Model 3024-F
- High speed version for speeds up to 3280ft/min and distances from 1" to 2.5"

Model 3024-L
- Long range version for distances from 4" to 20"

Ion-Edge

Ion-Edge with Air Bar

Ion-Edge (Model 400T)

Medium range AC bar

- Effective up to 7" from target surfaces
- Eliminates high charge static at production speeds of 2000 feet or more
- Compact unit
- Features resistively coupled, stay-sharp stainless steel emitters
- Standard and custom lengths 2" to 156" in one inch increments
- Requires Model 2000S power supply

Ion-Edge with Air Bar

- Compressed air tube extends the effective static elimination range up to 8 feet
- Part and surface blow-off eliminates dirt and dust contamination

Static Eliminator Bars

IonStorm XR2 (Model 300)

Pulsed DC extended range system

- Features the XR2 Bar & 3750 Controller
- Projects a powerful static elimination field from a distance up to 36" from target surface
- Maximum effectiveness at the highest production speeds and under confined conditions
- Low profile XR2 Bars are available in 10" to 110" lengths in ten inch increments
- Controller's settings allow adjustment of voltage, frequency and polarity to match the exact level of static elimination needed

Model 3024 Compact

Powerful, & Compact with Built-In Electronics

- Smallest available 24 V DC short-range bar with an integrated power supply
- Delivers up to 7.5kV integrated in the bar and is ideal for fast moving materials at speeds up to 4200 ft/min
- Available in 6" (150 mm) and 8" (200 mm) lengths

Model 3024 Ultra

Powerful Close-Range Ionization in Confined Spaces

- Designed for use in high-performance machinery where space is at a minimum
- Built-in high voltage electronics deliver up to 7.5kV from a low voltage 24V DC input

IonStorm XR2 Single Point

- Precise static control in confined areas

Static electricity can decrease productivity and erode profits.

We have solutions. *Ask our experts.*

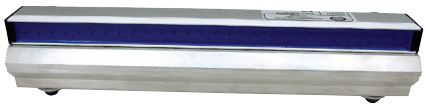
New!

4800DC Ionized Air Nozzle

Powerful Air Nozzle in a Compact System

- Combines the advantages of the 3024 Ultra with a flat nozzle for intense airflow
- Optimal cleaning distance: 2" to 4"
- High cleaning thrust achieved at lower air pressure, reducing air consumption & noise
- Compressed air supply needed

Compressed Air Static Eliminators



Ion-Jet Super Air-Knife

Static elimination plus blow-off

- Offers multiple benefits of static elimination and high velocity air cleaning and prepping of equipment and parts
- Coupled with the Model 400T AC Bar to produce a powerful ionization field that is distributed in a large jet stream of concentrated air
- Amplification ratios are 40:1
- Air savings of 40% to 90% over homemade tubes/pipes
- Available in 6" to 54" lengths in six inch increments
- Compressed air supply needed

Model 5860 In-Line System

Compact compressed airline eliminator

- Use where ionization of an existing compressed airline is desired or in pneumatically operated systems
- Simply cut into the air line and insert the nozzle close to the discharge end of the line
- Air connector on the nozzle is 1/4 BSP; connector for 10 mm ID flexible pipe
- Constructed of stainless steel and nylon components, with PVC barbed fittings
- Compressed air supply needed
- Requires Model 2000S power supply

IonBlast Model 5816 Air Gun

Static-free clean work environment

- Heavy duty shockless ionized air gun
- Eliminates positive and negative static electricity from equipment and parts and removes dust and contaminants
- Quiet unit consists of a stainless steel ionization head and guard, with an air nozzle mounted on a rugged plastic air gun handle
- Compressed air supply needed
- Requires Model 2000S power supply

Anti-Static Blowers

New!

Roto-Clean

A Revolution in Anti-Static Cleaning

- High-thrust, rotating air jets enable accurate and powerful cleaning of all shapes and sizes of product
- Dual rotary nozzle driven by a centrifugal control integrated into a circular static eliminator
- Twin air-powered nozzles rotate at up to 60 revolutions per second, delivering a 360° pulsed flow of ionized air onto the product surface at up to 240 times per second
- Available in diameters of 4.5" (112mm) or 7" (178mm)
- Can be mounted onto a robotic arm or fixed array over a conveyor

Curtain-Air

AC blower for wide & deep ionization

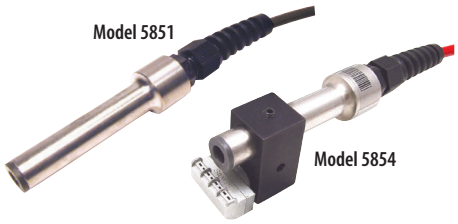
- Projects an extra wide and deep field of static elimination
- Long range ionization of 8 feet or more with an enveloping curtain of ionization from 14" to 64" wide (depending on the model length)
- Models are available in lengths 20" to 70" in ten inch increments and can be combined
- No compressed air is necessary
- Plug-in unit is self-contained, including controls and blower

Vortex

AC blower engulfs static surfaces

- Generates and projects an extra wide (18" x 18") and long range (10 feet plus) ionization field that surrounds static laden surfaces
- Economic, quiet and free of emission hazards
- Ready to plug into AC power source
- Air velocity is created by a centrifugal blower; no compressed air source is needed
- Fan has variable, controllable speed and volume
- Requires Model 2000S power supply

Precision Point Ionizers



Model 5851 Precision Point

Precision elimination from small objects

- Eliminates static from small targets such as yarn, trim, tapes, narrow webs, etc.
- Resistively coupled design produces high volume ionization
- Eliminates high static charges up to 3" from target surface even at high speeds
- Durable stainless steel; nylon cable guard
- Requires Model 2000S power supply

Model 5854 Precision Point Ionizing Air Nozzle

- Precision elimination with compressed air
- Combines extended range (up to 6") static elimination with compressed air removal of dust and contaminants
- Compressed air supply needed

New!

8001 Precision Point

Precision ionization & cleaning for high tech

- Eliminates static in sensitive electronic components and assemblies, ESD, medical and pharmaceutical applications
- Integrated electronics for self-contained operation, needing only 24V DC and a compressed air supply
- 3kV of ionizing power
- Complete range of easily interchangeable accessories including wide area showers, flexible and long nozzles, extensions and special pipework

Measuring & Monitoring

Model 5740 Static Meter

- Handheld LED static meter is the leader in its class for analysis of static problems
- Quickly registers positive and negative static charges of up to 200,000 volts, 100 volt resolution, on surfaces at a distance of 4"
- Detects where and how static is generated, plus the magnitude and polarity

Model 9195 Neon Bar Checker

- Quickly check static bars for proper function
- Neon light signals to indicate each bar emitter is performing properly
- Use with shockless or "hot" eliminators

Passive Static Eliminators

Anti-Static 100% Copper Tinsel

- Most effective, low cost, low maintenance passive static eliminator
- Copper wire core ensures positive grounding and strength
- Fine, sharply pointed copper strands provide greater static elimination
- Self-energizing (no power needed)
- Does not spark or cause sparks and can be used in hazardous conditions
- Effectiveness increases as static does
- Available in 1.25" diameter x 72 feet boxes or 504 feet bulk spools

Anti-Static FlexCord™

- Constructed of conductive Thunderon® fiber
- Uses thousands of conductive micro points to eliminate static
- Self-energizing (no power needed)
- Does not spark or cause sparks and can be used in hazardous conditions
- Strong, lightweight, non-shedding
- Available in 32.5' rolls
- Stretches to 100% its length

Anti-Static Copper Tinsel Bars

- Combines tinsel's low cost static elimination with the advantages of rigid bar mounting
- Replaceable tinsel insert mounted in a lightweight anodized aluminum holder
- Self-energizing (no power needed)
- Does not spark or cause sparks and can be used in hazardous conditions
- Specified lengths 6" to 96" in one inch increments
- Easy to install even in tight locations

Anti-Static Nylon Fiber Brushes

- Eliminate static in a variety of industrial processing and business machines
- Conductive nylon fibers mounted in an anodized aluminum holder
- Self-energizing (no power needed)
- Can be used in hazardous conditions
- Lengths of 6" to 60" in six inch increments

Anti-Static Spray

- Eliminates static at the press of a button
- Large 14 oz. aerosol can
- Use on feeder boards, machine guides, rollers, knife blades, carpets

2 two year warranty

Static Generation

IONFIX Static Generator

High Voltage Static Generation in a Compact Unit

- Low cost means of temporary adhesion and pinning through the bonding force of static
- Effective, simple, non-marking, clean
- Bond similar or dissimilar materials, hold materials in place, eliminate air pockets
- Prevent plastic films from wandering on rewinders or shrinking on cooling cylinders
- Designed for manual use or for complete integration within a process
- Choose from 30kV or 60kV in negative or positive polarity
- Full range of features and capabilities in a compact and versatile construction
- Remote operation and signals available
- Display rotates 180°
- Large, clear LED display and interface

Static Charging Bars, Pinners & Edgers

Charging Bars

- Up to 118" lengths in one inch increments
- Standard lengths: 6", 12", 18", 24" and 36"

Pinners & Edgers

- Static charging of small areas and pinning
- "Neck-in" applications on cast film lines, edge pinning of films, in-mold labeling

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