

Auburn Systems' TRIBO.dsp U3000 Series of Bag Leak Detectors Named Recipient of Processing Magazine's Breakthrough Products of the Year

Widely regarded as one of the most prestigious awards given in the processing industry, Processing Magazine presented Auburn Systems with its 2013 Breakthrough Product of the Year Award.

Ron Dechene, President of Auburn Systems, stated "We are all very excited that our TRIBO Series of bag leak detectors and process monitors has been selected by such a prestigious publication as Processing Magazine's Breakthrough Products of the Year. We were the first company to introduce electrostatic/triboelectric (TRIBO) bag leak detectors and solids flow monitors to monitor and measure dust, powders, and bulk solids for environmental and process control applications. We have always focused on improving and advancing the technology while maintaining the integrity of our products. Today, Auburn Systems remains the leading supplier of the most reliable electrostatic/triboelectric particulate systems—world-wide—and we are grateful for this recognition."

Auburn's TRIBO.dsp U3000 series of electrostatic/triboelectric (TRIBO) bag leak detectors, emission monitors and solids flow monitors effectively measure particulate and dust emissions, and dry solids flow in many processing industries. The proprietary core technology, TRIBO.dsp, unifies DC impaction (triboelectric) and AC induction electrostatic signals for superior accuracy, reliability, and repeatability:

- Monitors the emissions of fabric filter baghouses, cartridge filters or ESP's
- Monitors the emissions of filter receivers on conveying or vacuum systems
- Verifies the injection of powders and dry solids into the processes
- Indicates quick location of leaks for rapid response, eliminating labor expense and avoiding excursions
- Detects very early warning of particulate emissions, allowing for proactive maintenance and scheduling before reaching high (excursion) level alarms

TRIBO.dsp's Working Principal:

As dust particles collide with, or closely pass by a probe, charge transfers occur. Tribo.dsp series products detect the signal created by the changes in particulate concentration, as in the onset of a bag leak or an increase or decrease in flow. Unlike monitors that use only the DC or only the AC induction signals, thereby using only a portion of the complete electrostatic signal, TRIBO.dsp unified 3000 series combines the benefits of each method, providing the user with a superior reliable and repeatable signal, with electrical interference resistance - even in harsh industrial environments. They can activate operational functions via relays or can generate continuous 4-20 mA or digital signals for trending and recording purposes.

For more information, please contact:

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