



**Auburn Systems introduces the newest TRIBO.*dsp* U3000 series of bag leak detectors and solids flow monitors.**

Auburn's TRIBO.*dsp* U3000 series of electrostatic/triboelectric (TRIBO) bag leak detectors and solids flow monitors effectively measure dust, powders, and bulk solids, preventing unexpected downtime and food product loss. The proprietary core technology, TRIBO.*dsp*, unifies DC impaction (triboelectric) and AC induction electrostatic signals for superior accuracy, reliability, and repeatability. The U3000 series provide a stable and reliable wide range signal, with robust resistance to electrical interference to:

- Monitor flow/no flow of pneumatic conveying
- Confirm flow when batch is increased
- Monitor velocity of finished product and provide control of the system flow
- Monitor and offer early detection warnings of ambient or fugitive dust
- Offers early warning of impending filter failure shutdowns; allowing for non-disruptive, maintenance scheduling

**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 such as alarms and relays or can generate continuous 4-20 mA or digital signals for trending and recording purposes.

*For more information, please contact:*

Earl Parker, VP Sales  
Auburn Systems  
T (978)777-2460  
Email: [sales@auburnsys.com](mailto:sales@auburnsys.com)

**About Auburn Systems LLC:**

Auburn was 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. The company remains the leading supplier of bag leak detection systems with more than 45,000 systems operating in the field at more than 5,000 diverse materials processing plants, world-wide. [www.auburnsys.com](http://www.auburnsys.com).