



News Release

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Cubbison HSS by AISentis Ignore Variance for Perfect Touch Actuations

YOUNGSTOWN, Ohio – Do you ever notice the difficulty of using a touchpad while wearing gloves? This is called capacitive variance and it's an issue that's caused endless frustration for design engineers implementing touchpads in their design. From rain water activating a car door's keyless entry system to noise interference such as radio frequency, just about anything can result in inaccurate or accidental actuations.

The Cubbison Company is determined to solve capacitive variance with its latest innovation. Heuristic Signature Sensing better known as [HSS™ Touch Recognition Technology by AISentis®](#) uses touch signatures, instead of predetermined capacitive set-points, to sense exactly when a touch occurs. This eliminates false and unreliable actuations and helps to deliver engineered HMI solutions that are highly dependable in the most challenging environments.

Removing the set-points opens the door for a more consistent user experience and provides a number of benefits, including:

- Full functionality when sprayed with water and zero false triggers
- No loss of functionality or false triggers while wearing gloves
- Noise-tolerant; system passes 10V of injected line noise
- Exact touch functionality even when the capacitive switch is protected by glass or plastic
- Allows for multiple touch signatures to account for different inputs
- Touch feel isn't affected by temperature change
- Capable of low-power operation without performance loss
- Doesn't require constant base-lining and counter-measuring

"Technology enables new construction methods and custom user experiences for an improved human machine interface," says Tim Merrifield, Cubbison's CEO. "End users will benefit from higher yields and reduced downtime because they won't have to worry about in-field equipment failures."

The same design that allows Cubbison HSS to eliminate variance also allows it to overcome changes in tolerance and ignore manufacturing variance. To manufacturers, this makes for a more dependable product, even if components are slightly off from part to part or batch to batch. Cubbison HSS technology is very customizable and can be quickly implemented in most designs and materials. With no base-lining or counter-measures to worry about, programming the system takes less time.

Experience HSS and see firsthand how intelligent touch sensing technology is revolutionizing the marketplace. Our [demonstration video](#) shows how common types of capacitive variance are no match for HSS.

About The Cubbison Company

Cubbison is a manufacturer of industrial and commercial product identification products and flexible electronic devices. We serve a diverse group of commercial and industrial customers and end-markets

across the Americas, Europe and Asia. Our flexible and printed electronic products and rigid, flexible product identification products are engineered to order and customized to meet precise requirements. For over 60 years, world class manufacturing companies have trusted us for our high quality standards, reliable delivery, and superior product knowledge. Learn more at www.cubbison.com.