

# Press Release

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## **ACE Production Technologies Launches Improved Solder Delivery System, Nitrogen Control**

*Spokane Valley, Washington, USA* – New and advanced solder delivery and inert atmosphere control features – essential for lead-free selective soldering – have been developed and introduced by A.C.E. Production Technologies Inc., a manufacturer of selective soldering systems for electronics assembly.

The new features include a nitrogen flow monitor that uses nitrogen pressure levels to indicate the level of solder in the solder pot, and a new super heated nitrogen path.



*A.C.E. Pb-Free Solder Delivery System*

The nitrogen flow monitoring system provides accurate solder pot capacity information, which is then used to initiate and control solder replenishment to keep the pot level exact for high repeatability and process stability. This innovation replaces a mechanical probe system still used by many suppliers

The second significant improvement is a method that Design and Development engineers at ACE have developed to 'super-heat' the nitrogen supply within the solder pot. This new development enhances the performance of the flowing

solder by introducing preheated nitrogen to the entire travel path of the solder from the pot to the wave, and thus to the final solder joint.

In making the announcement, Al Cable, President, said, "Prior to the development of the super-heated nitrogen path, selective soldering performance had been somewhat vulnerable to the effects of the nitrogen temperature on the solder nozzle wave, especially the smaller nozzles. This development removes that variable, and together, these new developments enhance the overall stability and robustness of the selective soldering process in our machines."

ACE Production Technologies is a designer and builder of simple, affordable selective soldering systems suitable for lead-free electronics assembly. ACE's line of rugged, reliable selective soldering systems includes the KISS 101, KISS-102, KISS-103, and the KISS-104 models. All of these flexible systems feature lead-free compatible solder pots and are ideal for low to medium volume assembly, prototyping, and rework, post-reflow offline assembly, and other soldering applications such as odd-form devices. For more information about A.C.E., including sales and technical, contact ACE Production Technologies, INC., 3010 N. Industrial Park, 1st Street, Spokane Valley, WA 99216; Tel. 509-924-4898, e-mail [sales@ace-protech.com](mailto:sales@ace-protech.com); [www.ace-protech.com](http://www.ace-protech.com).

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