

Press Release

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Nitrogen Peel-Off Jet from ACE Improves Fine Pitch Selective Soldering

Spokane Valley, Washington, USA – ACE Production Technologies, Inc. announces the introduction of a Nitrogen Peel-Off Jet that improves fine pitch selective soldering results. Even though significant advances have been made in the metallurgy of lead-free solders, they still have wettability and bridging issues that make them more difficult to work with than traditional tin/lead solders in wave and selective soldering systems, and fine-pitch spacing only exacerbates them.



“Tight spaces, small gaps between adjacent components and very fine pine pitch devices have inspired us to develop our version of the air-knife”, says Al Cable, president of ACE Production Technologies, Inc. The innovative ACE Nitrogen Peel-Off Jet provides the user with a 360-degree, directional jet of pre-heated nitrogen (N₂) to assist in minimizing the accumulation of solder on specific solder joints that, due to design or configuration, might be more susceptible to accumulation. By applying a jetted pulse of N₂ at a critical moment in the soldering process, the resulting surface will be wetted with the minimal amount of solder required for a quality solder joint.

ACE has introduced the Nitrogen Peel-Off Jet to its line up of application specific tools for achieving better selective soldering results in a widening array of applications.

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; www.ace-protech.com.

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