

For immediate release



Press Release

Solderstar to Highlight Advanced Process Verification at

APEX EXPO 2026

Booth 3305

Solderstar, a global leader in thermal profiling innovations will exhibit at APEX EXPO 2026, taking place from 17–19 March at the Anaheim Convention Center, CA.

Exhibiting at booth 3305, Solderstar will present its latest process verification technologies, developed to help electronics manufacturers achieve consistent, repeatable soldering performance through improved visibility of machine behaviour and process conditions.



The solutions on display include Solderstar’s VP10 Thermal Profiler and VP Shuttle Verification Fixture for vapor phase soldering, together with the WaveShuttle O₂ for wave soldering. These systems extend traditional temperature profiling by enabling verification of the soldering process itself. By capturing multiple parameters in a controlled and repeatable way, Solderstar’s verification tools support machine qualification, routine process checks and ongoing production control, helping manufacturers distinguish between machine-related variation and product-specific behaviour.

Keith Blakley, Sales Manager at Solderstar, said: “APEX EXPO provides an important opportunity to discuss how manufacturers are moving beyond basic profiling towards a more structured approach to process verification. The newest additions to our portfolio are designed to give engineers reliable, measurable insight into how their soldering processes perform in everyday production. We are looking forward to meeting visitors on the stand and discussing how these tools are being applied in real manufacturing environments”

A key focus on the stand will be Solderstar's new vapor phase verification suite, combining the VP10 Thermal Profiler with the VP Shuttle Verification Fixture. The VP10 Thermal Profiler features a low-profile design measuring just 37 mm in height, allowing it to pass easily through vapor phase systems while providing ten measurement channels to capture detailed thermal data across high-mass components, small passives and critical board areas. The VP Shuttle Verification Fixture is a dedicated tool for vapor phase machine qualification, assessing temperature uniformity across the oven work zone using fixed, repeatable measurement points to confirm stable and consistent heating conditions independent of individual PCB designs.

Also, on display will be the WaveShuttle O₂, Solderstar's latest verification solution for wave soldering. Building on the established WaveShuttle platform, the system adds real-time oxygen measurement to a single-pass, multi-parameter verification approach. Alongside oxygen concentration, WaveShuttle O₂ measures temperature profile, wave contact, height, line speed, inclination angle and process vibration. This allows engineers to verify nitrogen inerting performance, correlate solder quality with atmospheric conditions and identify machine-related instability such as conveyor issues or excessive vibration, particularly in lead-free wave soldering processes.

All solutions integrate with Solderstar's SLX datalogger platform, providing a unified approach to profiling and verification across multiple soldering technologies. This supports audit requirements, long-term process control and repeatable production outcomes across different machines and product types.

Visitors are invited to meet the Solderstar team at booth 3305 from 17–19 March at the Anaheim Convention Center, CA.

For more information, visit www.solderstar.com

ENDS

For all media enquiries contact sallystone@live.co.uk

Editor's Notes:

Solderstar is a recognised technology leader in the design and manufacture of thermal profiling systems for electronic soldering processes.

With offices in UK, USA and a technical centre in Germany the company offers the most comprehensive range of process control support and solutions for electronic manufacturers.

Solderstar personnel have over 30 years of temperature profiling design experience, combined with in-depth industry and process knowledge, and a 'can do' attitude to product and process improvement.

When Solderstar launched its first product offerings, lead-free manufacturing was, for most in the industry, a dot on the horizon. For Solderstar, lead-free soldering was already upon us. It was recognised early-on that soldering within electronic assemblies was set to go through something of a revolution, with new thermal processes needing to be established and controlled like never before. It was seen that electronics manufacturers all over the world would need improved thermal profiling solutions capable of meeting the demands of the newly emerging thermal processes and advancement in soldering machines and ovens.

To respond to this, Solderstar developed class leading instrumentation and software that streamline the whole profiling process across reflow, wave, selective and vapor phase soldering processes. Solderstar has grown from strength to strength, completely dedicated from the outset to the needs of the electronic manufacturer. Solderstar is committed to excellence in design, customer support and product innovation.

Today, Solderstar products undoubtedly have 'raised the bar' and will continue to set the standard through our commitment to continual improvement of our products, and our ability to combine powerful functionality with robustness, accuracy, and simplicity.

For all media enquiries contact Sally Stone PR, sallystone@live.co.uk