

Company Article
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Gen3 Demos SIR, ROSE & PICT Ionic Contamination Testing at Southern Manufacturing 2023

Farnborough, Hampshire, UK – Gen3, Global leader in SIR, CAF, Solderability, Ionic Contamination & process optimisation equipment, will exhibit at Southern Manufacturing & Electronics 2023, scheduled to take place Feb. 7-9, 2023 at the Farnborough International Exhibition Centre. The company will showcase the AutoSIR2+™ Surface Insulation Resistance Testing System and a new CM+ Series demo unit in Stand L90. Additionally, AOI systems from MEK Europe BV will be on display.

Gen3's AutoSIR2+™ system represents a dramatic improvement over existing SIR test alternatives, and its shielded precision electronics allows state-of-the-art accuracy resistance measurements to be made up to $10^{14}\Omega$.



One AutoSIR2+ chassis can hold between 1 to 16 measurement cards and can monitor up to 256 x 2-point test patterns or 78 x 5-point test patterns, or 32 x 9-point test patterns at selectable intervals from minutes to days. Each channel is current limited (1 M Ω), which encourages growth of dendrites for failure analysis. The frequent monitoring capability provides a full picture of the electrochemical reactions taking place on a circuit assembly, and provides early trend analysis enabling tests to be curtailed, thus saving considerable test time and money.

Also on display the 6 Sigma verified CM+ Series is the world's first combined ROSE and Process Ionic Contamination Tester (PICT). The industry-leading system, also a Global award winner, measures the amount of ionic contamination in accordance with all existing test methods, often referred to as ROSE testing, as well as Process Ionic Contamination Testing (PICT) test.

The CM+ series is available in five different models and tank sizes – when selecting a Test System, it is important to use the smallest possible tank size for the circuit under test. For the first time ever Gen3 will be demonstrating how the CM works, providing an



inside tutorial to ionic contamination. Don't miss this unique, show stopping, piece of equipment, stop by stand L90.

Gen3 recently launched the new Objective Evidence website. This site details the requirements from the latest J Std 001 Rev H which can be met by the combination of the AutoSIR and PICT test. The AutoSIR can perform the initial qualification, and then the PICT test can be used to demonstrate ongoing conformity to the primary setup using the SIR technique.

For more information about Objective Evidence, visit www.objectiveevidence.org

For more information about Gen3, visit www.gen3systems.com.

About GEN3

GEN3. Testing and measuring the electronics industry for over 40 years. For three generations, Gen3 have designed, engineered, manufactured, and distributed their test and measurement equipment into the electronics industry to shield their clients from failure in the field.

Their reputation for excellence has grown to a global scale. The team is made up of industry experts who work to set the standards around circuit testing, measurement, and compliance. They collaborate with key industry associations, offering our unique experience and expertise to educate all on what it takes to succeed. For product protection the preferred way is GEN3, where precision comes as standard, acting as a mentor and your front-line defender.

In the high-reliability arena, there is too much at stake to allow room for error. Testing must be finite and flawless. GEN3 understand the need for precision. Get closer to perfection by minimising your risk.

GEN3. Precision as Standard.

For more information, please visit our various platforms;

Website: <https://www.gen3systems.com/>

OE Website: <https://www.objectiveevidence.org/>

LinkedIn: <https://www.linkedin.com/company/586317/>

Twitter: [@Gen3Systems](https://twitter.com/Gen3Systems)

YouTube: <https://www.youtube.com/user/Gen3Systems?ob=0>

