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NEW PRODUCT: ROBOTIC DISPENSER

Electronics reliability specialist Gen3 Systems launches G3 Series general-purpose robotic dispenser

The Gen3 Systems G3 Series precision robotic dispenser is based on trickle down engineering from the company's higher end test and measurement equipment ranges, and can accommodate almost any liquid, gel or paste that would benefit from being applied with an accuracy and repeatability beyond what's achievable manually

FARNBOROUGH, UK – Aug 4, 2008 – Gen3 Systems Limited today introduces a table-top robotic dispenser designed to bring high accuracy, automatic dispensing to manufacturers, laboratories and small R&D departments that would benefit from having state-of-the-art robotic technology sourced from a company with a pedigree in developing products for engineering reliability in electronics that stretches back over almost four decades.

"The G3 Series robotic dispenser is supplied by a long established, family-owned, British manufacturer that designed and built the product itself, and customers know they can trust and rely upon both before and after they make their purchase," says Gen3 Systems Managing Director, Graham Naisbitt.

"You can guarantee that will be here next year and that we will support you if you run into difficulties or need specialist after sales technical support."

The table-top (Model G3-301) G3 Dispenser employs 3-axis AC servo control and advanced auto-error-correction features, plus easy-to-use, operator-friendly Windows®-based software with full statistical process control (SPC) features. It can also be programmed to handle a large number of assemblies and dispensing requirements using a single, common X-Y work-table measuring 240 x 280 mm in size.

Dispensing resolution is ± 0.01 mm to a ± 0.025 mm repeatability. Using state-of-the-art colour CCD 'sphere scene image position compensation technology', the G3 Dispenser can automatically recognise the basic position of work pieces using fiducial alignment mark alignment, and compensate for manual alignment errors, including skew.

The G3 Dispenser can be used with any liquid, paste or gel material including adhesives, solder pastes, gasketing compounds, and coatings – including all common types of conformal coatings (e.g. UV curables, epoxies and silicones). To prevent leakage and tails, the volume of liquid, speed and dispense time are all independently controllable.

Options include a heated work-table, digital dispensing, a servo actuated precision valve, and servo controlled 4th-axis/ θ Dispensing Angle.

About Gen3 Systems (<http://www.gen3systems.com>)

Gen3 Systems is dedicated to tackling the demanding electronics reliability challenges of lead-free assembly and further electronics miniaturisation. The company is a specialist manufacturer of test and measurement equipment used to predict the reliability of

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electronic circuits and systems in the field. In addition, the company designs and manufactures conformal coating process equipment in both in-line and bench-top formats.

Gen3 Systems' Managing Director Graham Naisbitt is a member of the IEC's TC91 WG3, the working group that formulates test standards for the assembly industry. He is also leader of Solderability Testing Standard IEC 60068-2-69, Co-leader of Solderability Testing Standard IEC 60068-2-54, Co-Chair of IPC-TM-650 Test Methods Sub-Committee, and Member of IPC-J-STD 002 and IPC-J-STD 003, among many others.

Gen3 Systems is founded on the former Concoat Systems Limited. Concoat Systems and its company slogan "Engineering Reliability in Electronics" (which has been retained by Gen3 Systems) was a familiar name in Europe, Asia and much of North America. The new company was launched by its family owners after former sister company Concoat Limited was sold to US firm Chase Corporation in 2005.

Process Product Support is the new UK / Ireland market Division for Gen3 Systems, also bringing together many new distributed products from Marantz (AOI), ACE (Selective Soldering), Kirsten (Jet Wave Soldering), SAWA (specialist USC Systems) as well as R&D Technical Services (Vapour-Phase Systems), MB Tech (Cleaning Systems) and several others.

Gen3 Systems operates from new premises near Farnborough Business Park, on the M3 corridor and just 30 minutes from London's Heathrow Airport. The company has an entirely new management team focused on the needs and requirements of its customers around the world.

Gen3 Systems also provides training, equipment and expertise for manufacturers requiring assessment of their electronic products' reliability. The company also assists with standards development via both the IPC and IEC.

The company's product range and services include:

- **AUTOSIR** Surface Insulation Resistance (SIR) test system
- **MUST 3** solderability test system
- **SOLDAPRO** thermal profilers
- **CM SERIES** cleanliness test systems
- **SC SERIES** spray conformal coating systems, both batch and in-line
- **DC SERIES** dip conformal coating systems, both batch and in-line
- **TEST SERVICES** for circuit reliability, solderability and cleanliness

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