Digitaltest Announces 5th Generation Core Measurement System


With the release of our 5th generation measurement solutions (AMU05), Digitaltest is continuing to push the boundaries of performance, coverage and ease of use to a new level across all of the test platforms.

The new, innovative, 5th generation measurement unit from Digitaltest provides the customers with the following capabilities:

- **Faster Tests**
  - Our new core measurement system uses the latest ADC’s with higher internal resolution; samples are saved during measurement, double sampling note for measurement.

- **Higher Stability**
  - Uses automated calibration and 8x sample rate.
  - Provides higher accuracy and increased reproducibility.

- **Higher Reliability**
  - Improved protection of stimulation and measurement channels.
    - Increased reliability
    - Less service requests and downtime

- **Improved Productivity**
  - Modular system, prepared for additional modules and functionalities:
    - Flexible and multi-assembled
    - Improved effectiveness of the system

These enhanced capabilities are available on all of Digitaltest’s Functional, In-Circuit and Flying Probe Test Solutions.

At the APEX 2014 show we will be showing the following new and updated test platforms that use the 5th generation measurement solutions.

**Condor - MTS 500**

Digitaltest's Condor Flying Probe System, known for its speed, probing and measurement accuracy, has consistently been providing the performance to test boards and small batches in a streamlined and cost-effective manner.
The Condor now enhanced with our 5th generation measurement system provides the highest level of capability for a test system.

With enhanced test techniques and accuracy, we can show you how the Condor can lower costs and increase your quality.

**MTS 30 - Sparrow**

Digitaltest's MTS 30, Sparrow Test System provides the highest level of flexibility and test capability in a small footprint.

- 5th Generation Measurement System
- 19" Rack Mount
- Digital and Functional Capability
- Perfect Fit for In-Line
- Perfect Fit for Functional Rack and Stack

As a result of combining ICT, enhanced switching and, test capabilities, with full functional test in a compact rack mount platform, the Sparrow can meet the demands of the world's most challenging manufacturing and test requirements.

**EAGLE - MTS 180**

The latest Eagle In-Circuit Test (ICT) system from Digitaltest provides full non-multiplexed test capabilities combined with the cost effectiveness of our PDU (Push-Down-Unit) Interface.

The quick-change interface on the Eagle test system allows the quickest changeovers while keeping costs low. The system is configured as standard to support 1,400 nodes.

The Eagle is an important part of Digitaltest's ICT test product range. Which includes; Sigma - MTS 300 - to 3,456 Nodes, Omega - MTS 888 - to 7,040 Nodes, Falcon - In-Line Solution and the Lambda - Concurrent Test Solutions.

**C-LINK - Advanced CAD Translation Solutions**

Digitaltest's C-LINK, CAD processing software supports 68 different CAD formats and allows the easy import of schematic and Bill of Materials (BOM) data. This allows for quick, Manufacturing and Design For Test (DFT) analysis, and data outputs for many production, test and inspection systems.

As such C-LINK provides a multi-vendor solution that can support data preparation and analysis for:

- In-Circuit Test (ICT),
- Flying Probe Test (FPT),
- Manufacturing Defect Analysis (MDA)
- Automatic Optical Inspection (AOI) systems
- Placement Systems
QMAN - Quality Management Software

QMAN is a powerful, yet easy to use, Quality Management Software solution focused at the Test and Inspection processes. Collating all test and Inspection results in a central relational database, all aspects of the failure and measurement data can be used to assess the efficiency of the production process, predict process issues and, create detailed diagnostic information.

QMAN provides full paperless repair for the following process stages:

- ICT or MDA Test
- Flying Probe Test
- Functional Test
- Automated Optical Inspection
- Solder Paste Inspection

The greatest value of QMAN is in the information it makes available. Combining data from Inspection, ICT, and functional test allows you to drill down to the exact defect/process relationship; allowing you to quickly fix the process step that is causing the issue.

About Digitaltest Inc.

Digitaltest has been developing and manufacturing Automated Test Equipment (ATE) for electronic printed circuit boards (PCB), software for production automation and quality management systems for more than 30 years.

Digitaltest has created innovative and often pioneering solutions that integrate CAD, test and production to optimize the entire manufacturing process. Digitaltest also offers extensive service and support options, up to complete outsourcing of your board testing requirements at any of our facilities all over the globe.

Digitaltest hardware and software is being used in key industries including aerospace, avionics, automotive, telecommunications, medical, industrial and consumer electronics and more. With over 2,500 installations around the world, Digitaltest is a trusted partner to the industry.

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