Inline production systems intended for high-speed programming and board test

GOEPEL electronic recently announced the market introduction of additional RAPIDO series inline production systems for high-speed programming as well as board test based on the newest Embedded System Access (ESA) technologies.

The new models named RPS3000-(x) support double-sided probing for up to 3000 nails. Non-volatile memories such as Flash, Microcontrollers (MCU) and Programmable Logic Devices (PLD) can be on-board programmed even faster and more reliably.

Based on an enhanced SCANFLEX architecture with Short Wire Interface for up to 32 sites, it is now possible to combine programming tasks with test strategies such as Boundary Scan, Processor Emulation, Chip Embedded Instruments, or Functional Test. In conjunction with the patented handling mechanics the scalable overall system merges the benefits of a highly flexible programming capability with the highest throughput. Hence, utilizing RAPIDO results in a significant reduction of

storage costs and total production costs.

RPS900-S16 was the first RAPIDO product family member, enabling probing of up to 900 nails at up to 16 sites. The new models RPS3000-S16 and RPS3000-S32 extend the capabilities for up to 3,000 nails at 32 sites. All systems are based on the utilization of advanced ESA technologies for test and programming of highly complex boards.

All types of Flash devices such as NOR, NAND, eMMC with parallel or serial interface are supported. In the case of Flash that is not externally accessible via connectors, direct programming by means of probes is possible because RAPIDO features separate dynamic I/O. Additional targets are microcontrollers and all types of PLDs or FPGAs.

Core elements of the RAPIDO system are the well-proven and mature software and hardware platforms SYSTEM CASCON and SCANFLEX, respectively. Together with the new Short Wire Interface they provide the highest reliability and safety at maximum productivity. Furthermore, RAPIDO features various options for combination with functional board test up to 100 MHz, for customer-specific extensions, for programming via CAN, LIN or FlexRay, as well as coupling with assembly magazines and PASS/FAIL sorters.

The RAPIDO systems' distribution and support will be guaranteed through GOEPEL electronic's globally established network of branches and selected partners. Service includes shipping, installation and maintenance of complete preconfigured turnkey solutions.

Further information about the company and its products can be found on the internet at www.goepel.com [1].

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[1] http://www.goepel.com