EIIT – A Controlar company Presents their Renewed In-Line Handling Test Systems at Productronica 2025

With numerous editions of Productronica behind it, the Spanish company, EIIT – A Controlar company, will present its renewed series of **In-Line Handling Test Systems** at Productronica 2025.

The **XILS and MILS in-line handler series** has been designed with a single guiding principle: to provide **intelligent and scalable solutions** for PCB testing in high-demand environments.
Their **serial connectivity** enables the creation of fully integrated production lines where each handler operates in perfect synchronization, ensuring a continuous and interruption-free testing flow.

This **modular architecture**, combined with **compatibility across multiple test technologies**, makes XILS and MILS a **benchmark solution** for companies seeking systems that are ready for today's challenges and scalable for tomorrow's demands.

The **XILS and MILS in-line handlers** are particularly suited for **ICT (In-Circuit)**, **ISP (Flashing)**, and **FCT (Functional)** applications, making them ideal for demanding electronic test processes.

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What Makes XILS and MILS Stand Out

- **Optimized dual SMEMA-level transport system**, eliminating the need for parallel lines and ensuring exceptional spatial efficiency.
- **Software-based configuration**, enabling rapid reconfiguration for different test requirements without complex physical modifications.
- **Side actuation for USB and Ethernet connectors**, ensuring precise insertion, reduced wear, and greater test reliability.
- **Integration with instrumentation and solutions from leading manufacturers**, including Teradyne, Keysight, Checksum, TRI, Goepel electronic, National Instruments, SMH, and others.

These versatile handlers have been meticulously designed to cover a broad range of **electronic test technologies** for **PCB assembly and validation applications**.
With **adaptability as their core principle**, XILS and MILS ensure **optimal performance and precision** across diverse testing scenarios.

Thanks to an **integrated communication system**, the handlers can **communicate internally**, eliminating the need for additional conveyors, barcode readers, or buffering stations.

In summary, **XILS** stands as a **reference solution for in-line handling**, offering **flexibility, precision, and efficiency** across a wide range of electronic test technologies.
With XILS, manufacturers can achieve **maximum performance and accuracy** while streamlining their production processes.

XILS600: Flexible, Compact, and Multipurpose Handler

- Optimized for **ISP (flashing)** and **FCT (functional)** testing.
- **Dual SMEMA-level transport system**, eliminating the need for parallel lines.
- **Integrated instrumentation subrack**, with minimal wiring distance to the DUT for improved reliability.
- **Software-based flexible configuration**, adaptable to different products or test environments.
- **Serial connectivity with other handlers**, enabling the creation of continuous test lines.
- **Controlled side actuation** for USB, Ethernet, or other DUT interfaces.
- **Ergonomic and quick fixture replacement**, minimizing product changeover time.
- **Support for LED testing**, ideal for optical or lighting applications.
- **Approximate handling time:** 6 seconds.
- **Key advantages:** compact design, precision, and multipurpose operation.

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XILS800: Versatile Solution for High-Demand Applications

- Optimized for **ISP (flashing)**, **ICT (In-Circuit)**, and **FCT (functional)** testing.
- **Hybrid iron and aluminum frame**, capable of withstanding forces up to **15 kN**.
- **Modular and flexible design**, configurable according to product or line requirements.
- **Serial connection with other XILS handlers**, enabling scalable configurations.
- **Software-based control and parametrization**, ensuring repeatable and precise setups.
- **Accurate side actuation** for DUT connectors (USB, Ethernet, etc.).
- **Compatible with leading test systems**, including Teradyne, Keysight, Checksum, TRI, and others.
- **Parallel testing capability**, significantly reducing cycle times.
- **Approximate handling time:** 7 seconds.
- **Key advantages:** reliability, scalability, and high performance in demanding production environments.

MILS700: Precision, High-Speed, and Cost-Efficiency Handler

- Optimized for **ISP (flashing)** and **FCT (functional)** testing.
- **Modular architecture**, allowing integration of instrumentation from various manufacturers.
- **Compatible with test platforms** such as Teradyne, Keysight, Checksum, TRI, and others.
- **Fast and ergonomic fixture exchange**, maximizing production efficiency.
- **Serial connection with other handlers**, enabling complete test lines.
- **Precise side actuation** for USB and Ethernet connectors.
- **Reduced floor space requirements**, increasing station density per line.
- **Approximate handling time:** 5 seconds.
- **Key advantages:** compact design, versatility, efficiency, and reduced operational costs.

See It Live at Productronica 2025

Visitors can experience the **XILS, MILS and Portable LED Golden Sample Generator** in action at **Controlar's stand A1.335/9** where live demonstrations will showcase its dual gripper automation and parallel testing capabilities.

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About EIIT – A controlar company

*EIIT, part of the Controlar Group, is a Spain-based company specializing in **Industrial Automation and Electronic Test Systems**, with a strong focus on automotive, aerospace, and defense sectors.*

With more than 39 years of experience, EIIT has established itself as a leader in engineering, offering clients innovative and technologically advanced turnkey solutions tailored to their testing and automation needs.

About Controlar

*Founded in 1995, **Controlar Innovating Industry** is a Portuguese company specializing in **Industrial Automation and Test Systems**, primarily serving the automotive sector.*

With over 400 employees and operations across Portugal, Spain, Mexico, Malaysia, India, Germany, the USA, France, Poland and Morocco, Controlar designs, develops, and integrates advanced solutions for the validation and verification of electronic components and systems, as well as for production line automation and quality control.

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