# XILS600

## FLEXIBLE, VERSITILE AND MULTIUSE HANDLER

Max PCB size: 510x460mm


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# The ideal handling solution when you need multiple stations working in parallel **but in a physical serial layout.**

Due to a special Instrumentation Subrack with a secondary interface to the fixture, this handler is the market leader in the **shortest wiring distance from instrumentation to UUT**, ideal for critical instruments.

These characteristics make the XILS600 the ideal handler for ISP (Flashing) and FCT (Functional) Applications.

## XILS600

Due to the double conveyor system (both @ SMEMA level), this handler can be connected in serial line with other XILS600 handlers thus avoiding the necessity of creating parallel lines in shop-floor when two or more systems are needed to cover the cycle-time necessities.

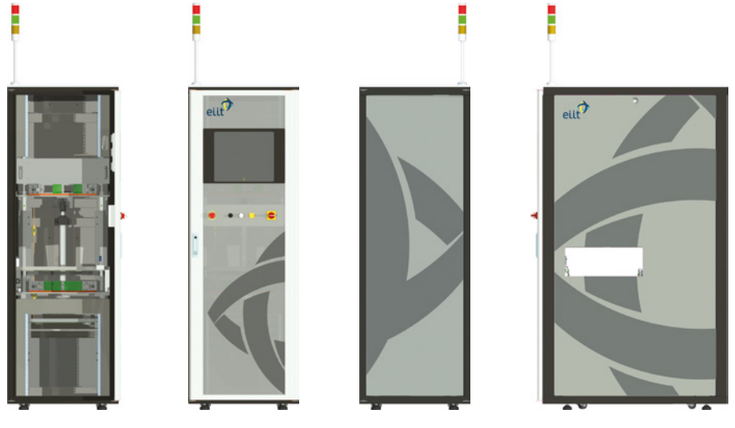
XILS600 handlers communicate between themselves (with previous XILS600 and next XILS600) avoiding the necessity of additional link-conveyors with bar-code readers and buffering stations...

Line Setup is configurable by software and can be customized case by case during product setup.

## Features

- High resistance iron and aluminum structure to handle +3KN forces
- Automatic electrical adjustable conveyor width (with memories)
- Very thin (6mm) conveyor profile
- High speed conveyor with programmable speed up to 1000mm/s
- Main conveyor with Bypass option
- Secondary conveyor @ SMEMA level for Pass-Through function
- 2nd optional stopper allowing the sequential loading of smaller boards (up to 250x460 mm) within the same machine cycle time for parallel panel tests
- 2 fixture sizes to adjust the exact PCB needs
- Servomotor controlled compression movement during the test
- Dual Stage testing
- Servomotor programmable testing heights
- Handling time approx. 4s (machine cycle time excluding test)
- Fixture coding on both bottom and top plates for product/fixture validation
- 2 Modular pilon blocks for integration of additional instrumentation such as CAN, RF, pneumatic or other specific needs
- 20U rack positions available for instrumentation integration
- Machine Control communication drivers for .NET, NI LabWindows CVI, LabVIEW or any other third-party platforms with TCP/IP communication sockets
- Beckhoff virtual PLC installed in Instrumentation PC

**Front** (open door) **Front** (closed door) **Back** **Right**



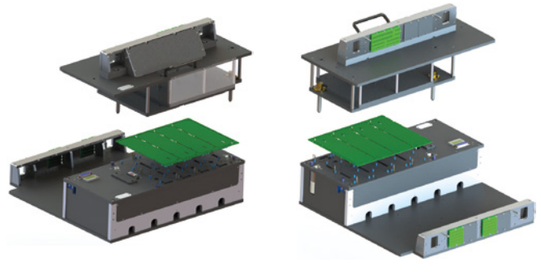
| Models | XILS600 |
|---|---|
| XILS600 – ISP (Flashing application) | |
| XILS600 – FCT (Functional application) | |
| **PCB Under Test Specification** | |
| Max. TP (bottom+top) | 800 |
| Max. probe force | 2.8 N |
| Max. fixture top/bottom (transfer pins) | 500 |
| Max. fixture top/bottom (transfer pins force) | 1.1N |
| Max. PCB component height (Bottom side) | 50 mm |
| Max. PCB component height (Top side) | 100 mm |
| Min. PCB border without components | 5 mm |
| Max. PCB size | 510x460 mm |
| Min. PCB width | 100 mm |
| **Mechanical Specifications** | |
| Length | 1200 mm |
| Width | 720 mm |
| Height | 2000 mm |
| Weight | 600 Kg |
| Conveyor max. width | 460 mm |
| Conveyor min. width | 100 mm |
| Transportation height | 940 + 40 mm |
| Max. conveyor speed | 1000 mm/s |
| Max. base plate speed | 117 mm/s |
| Conveyor movement direction | Left > Right / Right > Left |
| Electrical requirements | 3x400V AC 650-60 Hz |
| Pneumatic requirements | 6 Bar |
| Fixture exchange time | <3 min |
| CE approved | Yes |

## Fixtures

Fixturing developed in accordance with prior **FEA analysis**.
**Probe Impact analysis** for fixture validation.
**Pallet/Carrier** for checking individual (de-panelized) daughter board.

**Turn Key Applications**
Complete turn key Flashing and Functional Applications including (when applicable)

- Testability (test Coverage) Report
- Repeatability (CGK) - Means Capability Report
- Repeatability (CPK) - Process Capability Report



# Innovation, Quality and **Passion for Engineering.**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+34 91 890 46 14
info@eiit.com
www.eiit.com

**EIIT SA.**
Camino Robledo de Chavela, 9-B
28210 Valdemorillo - Madrid
Spain

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