

XILS600

Flexible, versatile and multiuse
Handler
Max PCB size: 510x460mm

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.



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 aluminium structure to handle +3KN forces.
- Maximum PCB size of 510x460mm.
- 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).
- Less than 3 minute fixture changeover time.
- Fixture Coding on both Bottom and Top plates for product/fixture validation.
- 2 Modular pylon blocks for integration of additional instrumentation such as CAN, RF, pneumatic or other specific needs.
- 20U rack positions available for instrumentation integration.
- Beckhoff virtual PLC installed in Instrumentation PC.
- Machine Control communication drivers for .NET, NI LabWindows CVI, LabVIEW or any other third-party platforms with TCP/IP communication sockets.
- Standard extended SMEMA protocol.
- Electric Power: 3x400V AC 50-60Hz.
- Pneumatic Requirements: 6 bar.
- CE Approved.

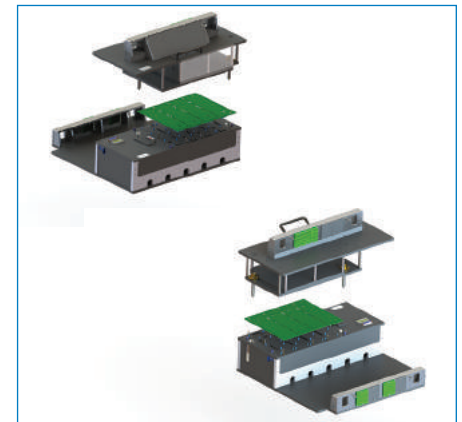
PCB Under Test Specification

Max. TP (bottom+top)	1000
Max. probe force	2.8N
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	2,5 mm
Max. PCB length	510 mm
Max. PCB width	460 mm
Min. PCB width	100 mm

Mechanical Specifications

Length	720 mm
Width	1200 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

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

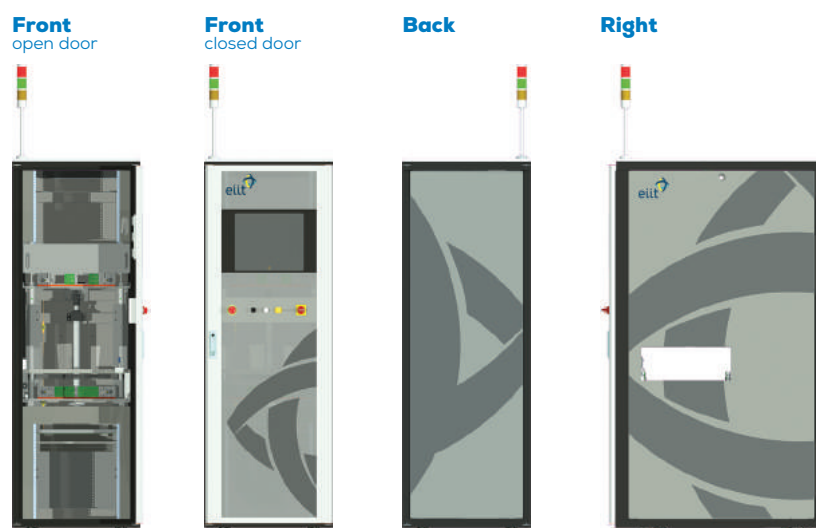
Complete turn key Flashing and Functional Applications including (when applicable)

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

Models

XILS600 - ISP (Flashing application)

XILS600 - FCT (Functional application)



SPAIN Madrid / Jaén / Cádiz • PORTUGAL Porto / Montijo • MEXICO Ciudad de México • MALAYSIA Penang

www.eiit.com

