

# XILS600

FLEXIBLE, VERSITILE 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.

### XILS600

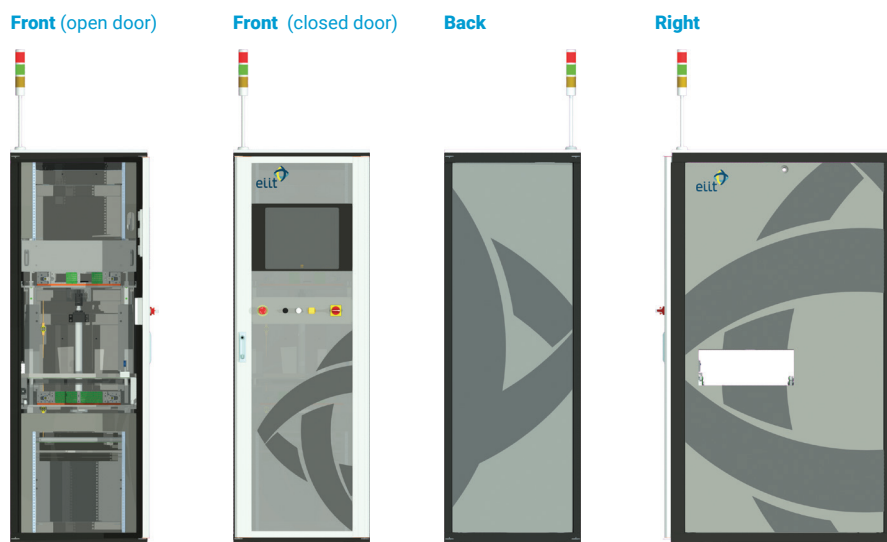
Due to the double conveyor system (both @ SMEMA level), this handler can be connected in serial line with other XILS600 handlers thus avoiding the necessity of creating parallel lines in shop-floor when two or more systems are needed to cover the cycle-time necessities.

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



**Models**

- XILS600 – ISP (Flashing application)
- XILS600 – FCT (Functional application)



PCB Under Test Specification	
	Max. TP (bottom+top)
	Max. probe force
	Max. fixture top/bottom (transfer pins)
	Max. fixture top/bottom (transfer pins force)
	Max. PCB component height (Bottom side)
	Max. PCB component height (Top side)
	Min. PCB border without components
	Max. PCB size
	Min. PCB width

Mechanical Specifications	
	Length
	Width
	Height
	Weight
	Conveyor max. width
	Conveyor min. width
	Transportation height
	Max. conveyor speed
	Max. base plate speed
	Conveyor movement direction
	Electrical requirements
	Pneumatic requirements
	Fixture exchange time

CE approved

## Fixtures

Fixturing developed in accordance with prior **FEA analysis**.  
**Drake Impact analysis for fixture validation**

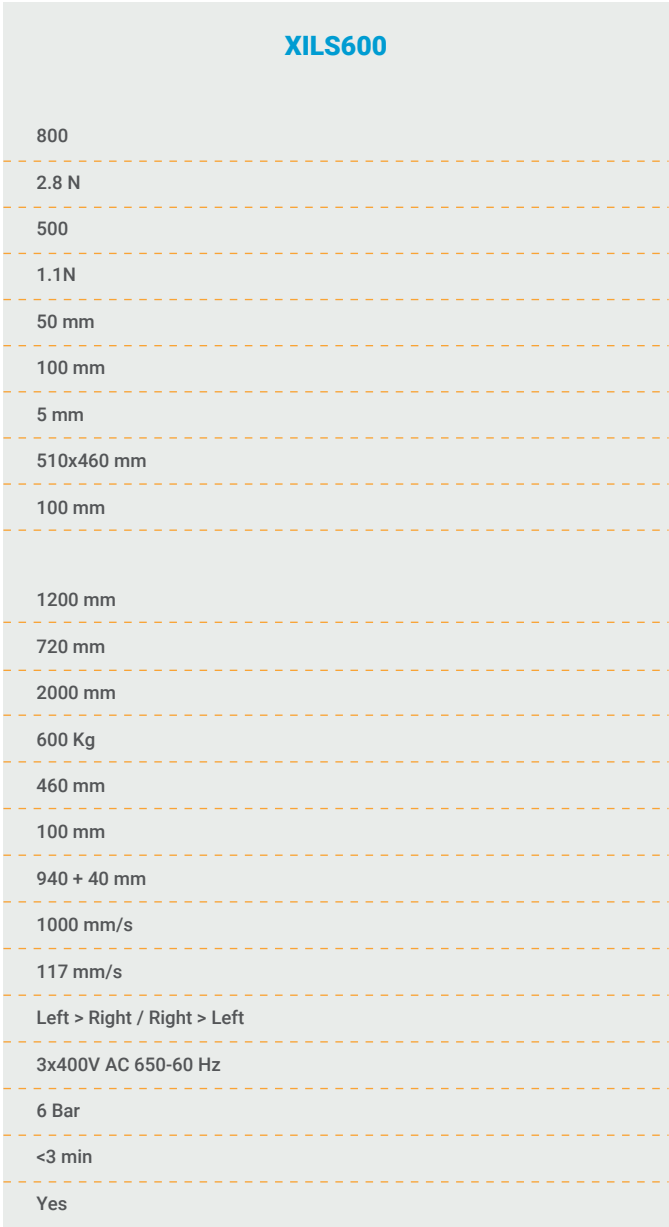
**Pallet/Carrier** for checking individual (de-panelized) daughter board.

## Turn Key Applications

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

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

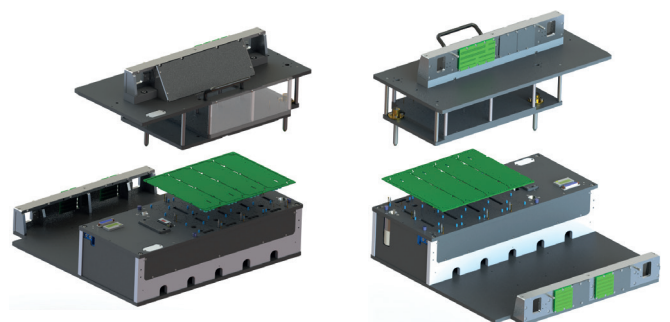
- Repeatability (CPK) - Process Capability Report



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# Innovation, Quality and **Passion for Engineering.**



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