

XILS800

EXTENDED IN-LINE
TEST SYSTEM





XILS800: VERSATILE SOLUTION FOR HIGH-DEMAND APPLICATIONS

The **XILS800** is the ideal solution for any in-line testing needs, as it is flexible and compatible with various electronic test technologies for PCB assembly and test applications.

Designed to meet specific requirements for a **high number of test points** in **ICT applications**, the XILS800 handler accommodates a **wide range of PCB dimensions** and offers future expandability.

This system integrates a high-resistance iron and aluminum structure engineered to withstand forces of 15 kN. With fast handling speed, the **XILS800** ensures quick, straightforward setup process, simplifying product changeovers. Depending on the instrumentation used, it may support parallel testing for reduced cycle times.

Key Benefits

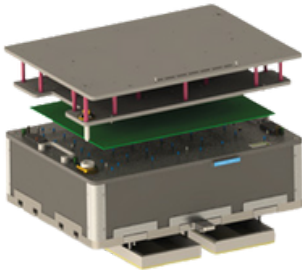
- / General-purpose in-line handler suitable for **ICT (In-Circuit)**, **ISP (Flashing)** and **FCT (Functional)** most demanding applications.
- / Flexible and modular solution: adapted to a wide range of PCB dimensions (from PCB level to complete assembled devices)
- / Compact footprint: handlers can be connected in a serial line enabling an inline system configuration with other handlers.
- / Configurable line setup: easily configurable via software and customized on a case-by-case basis during product setup.
- / Lateral actuation for DUT connectors, such as USB and Ethernet: ensures precise insertion force control, enhancing reliability and performance.
- / Supports manufacturers such as Teradyne, Keysight, Checksum, TRI, and more.
- / Suitable to verify LED status (on/off), luminance and colour parameters.

Features

- High-resistance iron and aluminum structure designed to handle +15 kN forces.
- Automatic electrically adjustable conveyor width with programmable memory settings.
- High-speed conveyor with programmable speeds of up to 1000 mm/s.
- Servomotor-controlled compression movement during the test.
- Dual-stage testing.
- Servomotor programmable testing heights.
- Handling time of approx. 7 sec. (machine cycle time excluding test).
- Less than 3-minute fixture changeover time.
- Fixture coding on both bottom and top plates for product/fixture validation.
- Three modular pilon blocks for integration of additional instrumentation such as CAN, RF, pneumatic, or other specific needs.
- Machine control communication drivers for .NET, NI LabWindows/CVI, LabVIEW, or any other third-party platforms with TCP/IP communication sockets.
- Beckhoff physical PLC

	XILS800
Typical application	ICT, ISP, FCT
Max. PCB size	510 x 460 mm
Min. PCB width	65 mm
Component top side clearance	100 mm
Component bottom side clearance	50 mm
Drive force (nominal)	15 kN
Recommended/Max test points	5120
Handling time (machinecycle)	approx. 7 Sec (*)
Fixture exchange time	< 3 min
Dimensions (length)	1380 mm
Dimensions (width)	1000 mm
Dimensions (height)	1950 mm
Weight	850 kg
Rackeable/Instrumentation space	16U General Purpose
Interface type	Vacumm Interface Kit
Machine control	Beckhoff
Machine communication	Sockets communication
Electrical power	3x380 VAC 50 - 60 Hz
Pneumatic requirements	6 bar
Vacuum required	40 cfm/1.12 m3
CE approved	Yes

(*) This handling time will depend on the speed of the conveyors installed before and after our machine.



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