

XILS1200

EXTENDED IN-LINE
TEST SYSTEM





XILS1200: EXTRA-LARGE PCB TESTING WITH PRECISION AND SPEED HANDLER

The **XILS1200** 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 **higher number of test points and large panels**, the **XILS1200** handler accommodates a wide range of PCB dimensions and offers future expandability. It is particularly well-suited for testing extra-large PCBs, ensuring efficiency and reliability in the testing processes.

This system integrates a high-resistance iron and aluminum structure engineered to withstand forces of 18 kN. With fast handling speed, the **XILS1200** ensures quick, straightforward setup process, simplifying product changeovers. Depending on the instrumentation used, it may support parallel testing for reduced cycle times.

Key Benefits

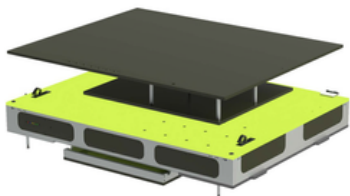
- / A larger handler specially engineered for testing extra-large PCBs in **ICT (In-Circuit)**, **ISP (Flashing)** and **FCT (Functional)** applications.
- / Flexible and modular solution: adapted to a wide range of PCB dimensions (from PCB level to complete assembled devices)
- / Compact footprint: 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 +18 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. 8.5 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

	XILS1200
Typical application	ICT, ISP, FCT, Extra Large PCBs
Max. PCB size	750 x 630 + 20 mm
Min. PCB width	65 mm
Component top side clearance	100 mm
Component bottom side clearance	50 mm
Drive force (nominal)	18 kN
Recommended/Max test points	6144
Handling time (machinecycle)	approx. 8.5 Sec (*)
Fixture exchange time	< 3 min
Dimensions (length)	1380 mm
Dimensions (width)	1200 mm
Dimensions (height)	1950 mm
Weight	1000 kg
Rackeable/Instrumentation space	20U Teradyne TSI161 or TSI152
Interface type	Vacumm Interface Kit
Machine control	Beckhoff
Machine communication	Sockets communication
Electrical power	3x380 VAC 50 - 60 Hz
Pneumatic requirements	6.5 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.



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



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