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

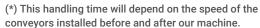
- / A larger handler specially engineered for testing extra-large PCBs in ICT (In-Circuit), ISP (Flashing) and FCT (Functional) applications.
- / Flexible and modular solution: adapted to a wide range of PCB dimensions (from PCB level to complete assembled devices)
- / Compact footprint: handlers can 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
ICT, ISP, FCT, Extra Large PCBs
750 x 630 + 20 mm
65 mm
100 mm
50 mm
18 kN
6144
approx. 8.5 Sec (*)
< 3 min
1380 mm
1200 mm
1950 mm
1000 kg
20U Teradyne TSI161 or TSI152
Vacumm Interface Kit
Beckhoff
Sockets communication
3x380 VAC 50 - 60 Hz
6.5 bar
40 cfm/1.12 m3
Yes







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