

# XILS

EXTENDED INLINE  
HANDLING SOLUTIONS





**Designed to your exact needs for high number of test points, large panels and future expandability.**

**The XILS handler series is prepared for the most demanding applications.**

Wide range of PCB dimensions, high handling speed, fast and easy setup, facilitated product changeover, flexible and adapted to different electronic test technologies, the XILS will be the best choice for your In Line testing needs. Additionally all XILS series handlers communicate between themselves eliminating the typical need of intermediate buffering and link-conveyors with Bar Code Readers.

**Specific Handling solutions fruit of our seamless cooperation with clients and partners!**

The **XILS800-TSi** a perfect fit to Teradyne's TestStation platforms.

The **XILS600** the most versatile ISP and FCT In-Line handling system in the current market, capable of multi-station parallel applications while the handlers are connected in a shop-floor serial layout.

Additionally, 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.

We encourage the **constant exchange of ideas and best practices** with our clients and partners.

Our projects are focused on **providing the best engineering solutions** for specific test necessities **integrated in our In-Line Handling Systems**.

### **Tests**

- ICT
- Digital / Boundary scan
- ISP – In System Programming
- LED testing
- ASA – Analog Signature Analysis
- Functional
- Vision

### **Integrations**

- TRI
- CheckSum
- Teradyne
- Goepel electronic
- SMH (Flash Runner)
- CheckSum (MultiWriter)
- Feasa
- Huntron
- National Instruments



## XILS1000

Typical Application	ICT
Max. PCB size	610 x 460 mm
Min. PCB width	100 mm
Component Top side clearance	100 mm
Component Bottom side clearance	55 mm
PCB edge support	2,5 mm
Transport direction	L > R , R > L
Transport height	930 mm ± 30 mm
Drive force (nominal)	Servomotor (16 KN)
Recommended / Max Test Points	7680
Handling time (machine cycle)	approx 5 seconds
Fixture exchange time	< 3 minutes
Conveyor width adjustment	Automatic
Dimensions (Length)	1025 mm
Dimensions (Width)	1100 mm
Dimensions (Height)	1800 mm
Weight	950 Kg
Rackable/Instrumentation space	16U
Interface Type	Pylon Blocks / ODU
Machine Control	Beckhoff
Machine Communication	Sockets communication
Max. Numbers of PCB Stoppers	3
Main Conveyor ByPass Option	Yes
Secondary PassThrough Conveyor	Yes, @ lower level
Option Camera	No
Electrical Power	3 x 400V AC 50/60Hz
Pneumatic Requirements	6 bar
Vacuum Required	N / A
CE Approved	Yes
SMEMA Compliant	Yes



## XILS800

Typical Application	ICT
Max. PCB size	440 x 460 mm
Min. PCB width	100 mm
Component Top side clearance	100 mm
Component Bottom side clearance	50 mm
PCB edge support	2,5 mm
Transport direction	L > R , R > L
Transport height	930 mm ± 30 mm
Drive force (nominal)	Servomotor (10 KN)
Recommended / Max Test Points	4800
Handling time (machine cycle)	approx 4 seconds
Fixture exchange time	< 3 minutes
Conveyor width adjustment	Automatic
Dimensions (Length)	800 mm
Dimensions (Width)	1100 mm
Dimensions (Height)	1800 mm
Weight	800 Kg
Rackable/Instrumentation space	9U
Interface Type	Pylon Blocks / ODU
Machine Control	Beckhoff
Machine Communication	Sockets communication
Max. Numbers of PCB Stoppers	2
Main Conveyor ByPass Option	Yes
Secondary PassThrough Conveyor	Yes, @ lower level
Option Camera	Yes
Electrical Power	3 x 400V AC 50/60Hz
Pneumatic Requirements	6 bar
Vacuum Required	N / A
CE Approved	Yes
SMEMA Compliant	Yes



## XILS800-TSi

Typical Application	ICT
Max. PCB size	510 x 460 mm
Min. PCB width	100 mm
Component Top side clearance	100 mm
Component Bottom side clearance	50 mm
PCB edge support	2,5 mm
Transport direction	L > R , R > L
Transport height	940mm + 40mm
Drive force (nominal)	Servomotor (10 KN)
Recommended / Max Test Points	5120
Handling time (machine cycle)	approx 4 seconds
Fixture exchange time	< 3 minutes
Conveyor width adjustment	Automatic
Dimensions (Length)	810 mm
Dimensions (Width)	1200 mm
Dimensions (Height)	1850 mm
Weight	850 Kg
Rackable/Instrumentation space	12U
Interface Type	Vacuum Interface Kit + 2 ODU
Machine Control	Beckhoff
Machine Communication	Sockets communication
Max. Numbers of PCB Stoppers	2
Main Conveyor ByPass Option	Yes
Secondary PassThrough Conveyor	No
Option Camera	Yes
Electrical Power	3 x 400V AC 50/60Hz
Pneumatic Requirements	6 bar
Vacuum Required	40 cfm, 1.13 cubic meter/minute
CE Approved	Yes
SMEMA Compliant	Yes



## XILS600

Typical Application	Flash / Functional
Max. PCB size	510 x 460 mm
Min. PCB width	100 mm
Component Top side clearance	100 mm
Component Bottom side clearance	50 mm
PCB edge support	2,5 mm
Transport direction	L > R , R > L
Transport height	940mm + 40mm
Drive force (nominal)	Servomotor (3 KN)
Recommended / Max Test Points	1000
Handling time (machine cycle)	approx 4 seconds
Fixture exchange time	< 3 minutes
Conveyor width adjustment	Automatic
Dimensions (Length)	720 mm
Dimensions (Width)	1200 mm
Dimensions (Height)	2000 mm
Weight	600 Kg
Rackable/Instrumentation space	20U
Interface Type	Pylon Blocks / ODU
Machine Control	Beckhoff
Machine Communication	Sockets communication
Max. Numbers of PCB Stoppers	2
Main Conveyor ByPass Option	Yes
Secondary PassThrough Conveyor	Yes, @ SMEMA level
Option Camera	Yes
Electrical Power	3 x 400V AC 50/60Hz
Pneumatic Requirements	6 bar
Vacuum Required	N / A
CE Approved	Yes
SMEMA Compliant	Yes

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



01 PORTUGAL | 02 SPANIEN | 03 DEUTSCHLAND | 04 MEXIKO | 05 MALAYSIA | 06 INDIEN

+351 225 898 410  
info@pt.controlar.com  
www.controlar.com

**Controlar S.A.**  
Rua do Caulino, 314  
4445-259 Alfena  
Portugal

 **Controlar**  
test systems

 **Controlar**  
automation systems

 **Controlar**  
solutions & partners

 **Controlar**  
aerospace & defense



Co-finanziert von:



UNIÃO EUROPEIA  
Fundo Europeu  
de Desenvolvimento Regional