MILS-700

MEDIUM IN-LINE SYSTEM

MILS-700

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A **Controlar** company

The MILS handler series is prepared for the most demanding applications.

Designed to your exact needs for flashing (ISP) and funtional (FCT) aplications, large panels and future expandability.

Wide range of PCB dimensions, high handling speed, fast and easy setup, facilitated product changeover, flexible and adapted to different electronic test technologies, the MILS will be the best choice for your in-line testing needs.

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MILS-700 is a versatile in-line handler designed for global integration of instrumentation
It supports manufacturer such Teradyne, Keysight, Checksum, TRI, and others.

‣ Fast and ergonomic fixture exchange

‣ Small footprint – other modules may be pressed against both sides

‣ Lateral actuation for DUT connectors (USB, Ethernet, etc.) with controlled insertion force

We encourage the constant **exchange of ideas and best practices** with our customers and partners. Our projects provide the **optimal** solutions for specific test needs integrated in our **in-line Handling Systems**.
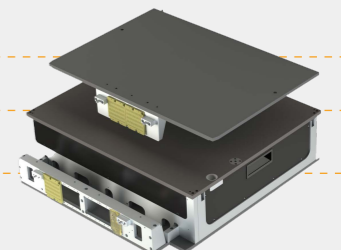
Features

- High resistance iron and aluminum structure to handle up to 8KN forces
- Automatically adjustable conveyor width with programmable memory settings
- High speed conveyor with programmable speed up to 1000mm/s
- Pneumatic system compression
- Dual Stage testing
- Compatible with XILS-600 and ILS-700 fixture kit

- Handling time approx. 5s (machine cycle time excluding test)
- Less than 3 minute fixture changeover time
- Fixture Coding on both Bottom and Top plates for product/fixture validation
- Modular pylon blocks for integration of 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 virtual PLC with HMI

	MILS-700
Max. TP (bottom+top)	1000
Max. probe force	8Kn
Max. fixture top/bottom (transfer pins)	500
Max. PCB component height (Bottom side)	50 mm
Max. PCB component height (Top side)	100 mm
Min. PCB border without components	5 mm
Max. PCB size	1 X (510 X 350 mm) o 2 X (245 X 350 mm)
Min. PCB width	60 mm
Handler Specifications	
Length	700 mm
Width	1200 cm
Height	1650mm
Weight	500kg
Conveyor max. width	350 mm
Conveyor min. width	60 mm
Transportation height	930 + 40 mm
Handling time (machine cycle)	Approx. 5 sec
Max. conveyor speed	1000 mm/s
Max. top plate speed	120 mm/s
Conveyor movement direction	Left > Right / Right > Left
Electrical requirements	1x220V AC 50-60Hz
Pneumatic requirements	5 – 7 Bar
Fixture exchange time	<3 min
Machine communication	Sockets communication
Rackeable/Instrumentation space	10U
Interface type	Pylon Block
CE approved	**Yes**

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

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