

# SYMTEK 300/429 UPGRADE POWERED by SESSCO UTHA



Upgrading SYMTEK 300/429 series tri-temp handlers with SESSCO UTHA-Universal Test Handler Architecture is an effective way to manage the challenges associated in maintaining legacy handler. Overall performance is substantially improved and maintenance cost is kept to minimum. Features that are the hallmark of Symtek are retained while improving the design and process associated with reliability and quality. An upgraded Symtek will give a worry free operation for many more years to come.

Please click below for a video demo:

<https://youtu.be/jqQBRG1a5tg>

[https://www.youtube.com/watch?v=8q7h4lg\\_NkE](https://www.youtube.com/watch?v=8q7h4lg_NkE)

## Upgrade includes the ff:

- Replace old master/slave type CPU with SESSCO UTHA
- Replace CRT screen with Touchscreen HMI
- Replace sort bucket type with sort shuttle type
- Install sort parity and double drop detector
- Replace sensors with Keyence fiber optic sensor
- Replace motor driver s and motors with Oriental motors
- Replace valves and solenoid with SMC
- Replace power supplies

**SECS GEM ready.** Output sort mechanism replaced with sort shuttle type with parity detectors.

# Symtek 300/429 Tri-Temp Handler Upgrade

Powered by SESSCO UTHA - Universal Test Handler Architecture

## Key Technological Features:

- Tri-Temp, Temperature Range from  $-55\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$
- Cutting-edge 80 ns/step all integrated controller
- Robust Sort Parity and Double-Drop Detection
- Multiple Communication Interface & Protocols – Parallel, RS232C, GPIB, MOD-BUS
- Intuitive User-Friendly Touchscreen HMI
- Ethernet Ready & SECS Gem Ready
- Built in CDA-LN2 Air Switcher with multiple hot air output for purging

## Specifications:

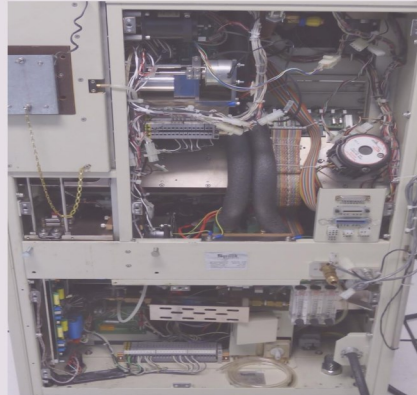
- Throughput: Similar to OEM or better
- Expanded Soak Chamber with turntable input and Auto tube loader (Symtek 300)
- Output Capacity: 16 programmable output tracks (Symtek 300)
- Temperature Range:  $-55\text{ }^{\circ}\text{C}$  to  $+150\text{ }^{\circ}\text{C}$
- Temperature Accuracy:  $\pm 2\text{ }^{\circ}\text{C}$
- Soak Time Range: User Defined
- MTBJ (Mean Time Before Jam) 1 in 3000 parts
- Contactor: Standard, Kelvin same as original
- Sort Categories: User Defined
- Power Requirements: 115VAC 20 Amps 50/60 Hz
- Air Requirements: 85 PSI @ 2 CFM (80 SCFH for Hot System) LN2 Pressure: 25 PSI for Cold

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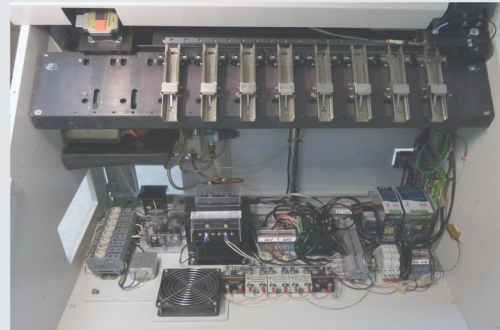
Before Upgrade

MASTER/SLAVE Multiple CPU Architecture



After Upgrade

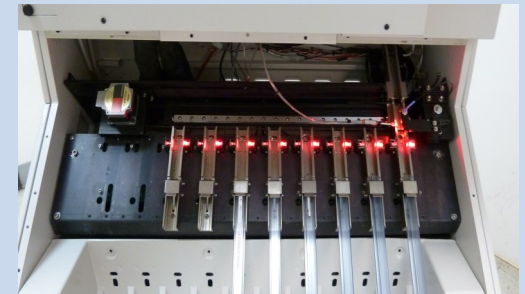
SESSCO **UTHA** - All integrated  
Universal Test Handler Architecture



HMI Touchscreen



Sort bucket replaced with sort shuttle with parity detector fixes mis-binning issues.



With **UTHA**, we can help to effectively manage and future proof your legacy handlers. Maintenance costs after upgrade is kept to minimum and is predictable. **UTHA** supports most legacy handlers in different model, vintage, and controller type. SECS GEM compliant.

Click for more info.

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**Packages Supported: CDIP, PDIP, SB, TO, Flat Pack** used in industrial, automotive, defense, and aerospace industry.

