



SANDEN HVAC Sep/2025

PLC Organizer

Controller Type

Logix Designer - Sanden in SAN01_P008.ACD [1756-L85E 32.11]

FILE EDIT VIEW SEARCH LOGIC COMMUNICATIONS TOOLS WINDOW HELP

Run Mode
Controller OK
Energy Storage OK
I/O Not Responding

Path: AB_ETHIP-2\192.168.0.1*

Rem Run No Forces No Edits

Controller Organizer

- Controller Sanden
 - Controller Tags
 - Controller Fault Handler
 - Power-Up Handler
 - Tasks
 - T000_System
 - T001_Sta300_Evap_Assembly
 - T002_Station300B
 - T003_Sta400_IHE_Assembly
 - T004_Sta500_Motor_Actuator_Assembly
 - T005_Sta550A_Temp_Sensor_Grease_Assy
 - T006_Sta550B_Temp_Sensor_Grease_Assy
 - T007_Sta560A_Assembly_2
 - T008_Sta560B_Grease_Application
 - T009_Sta570_Case_HTR_Assembly3
 - T010_Sta580_Case_HTR_Assembly4
 - T011_Sta590_Case_HTR_Assembly5
 - Unscheduled
 - Motion Groups
 - Alarm Manager
 - Assets
 - Logical Model
 - I/O Configuration

Controller Properties - Sanden

Nonvolatile Memory	Capacity	Internet Protocol	Port Configuration	Security	Alarm Log
General	Major Faults	Minor Faults	Date/Time	Advanced	SFC Execution
Project					

Vendor: Rockwell Automation/Allen-Bradley

Type: 1756-L85E ControlLogix® 5580 Controller [Change Controller...](#)

Revision: 32.011

Name: Sanden

Description:

Chassis Type: 1756-A10 10-Slot ControlLogix Chassis

Slot: 0

OK Cancel Apply Help

Descripción

Controller Capacity

Logix Designer - Sanden in SAN01_P008.ACD [1756-L85E 32.11]

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 - T007_Sta560A_Assembly_2
 - T008_Sta560B_Grease_Application
 - T009_Sta570_Case_HTR_Assembly3
 - T010_Sta580_Case_HTR_Assembly4
 - T011_Sta590_Case_HTR_Assembly5
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Controller Properties - Sanden

General	Major Faults	Minor Faults	Date/Time	Advanced	SFC Execution	Project
Nonvolatile Memory	Capacity	Internet Protocol	Port Configuration	Security	Alarm Log	

Capacity

Total: 41,943,040 blocks

Available: 37,384,513 blocks

Used: 4,558,527 blocks

Ethernet Nodes

Recommended Maximum: 300 nodes

Used: 34 nodes

OK Cancel Apply Help

Descripción

Controller Network

Logix Designer - Sanden in SAN01_P008.ACD [1756-L85E 32.11]

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Controller OK
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I/O Not Responding

Rem Run No Forces No Edits

Path: AB_ETHIP-2\192.168.0.1*

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 - T006_Sta550B_Temp_Sensor_Grease_Assy
 - T007_Sta560A_Assembly_2
 - T008_Sta560B_Grease_Application
 - T009_Sta570_Case_HTR_Assembly3
 - T010_Sta580_Case_HTR_Assembly4
 - T011_Sta590_Case_HTR_Assembly5
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 - Motion Groups
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 - Logical Model
 - I/O Configuration

Controller Properties - Sanden

General	Major Faults	Minor Faults	Date/Time	Advanced	SFC Execution	Project
Nonvolatile Memory	Capacity	Internet Protocol	Port Configuration	Security	Alarm Log	

☒ Manually configure IP settings
☐ Obtain IP settings automatically using DHCP

IP Address: 192 . 168 . 0 . 1 Subnet Mask: 255 . 255 . 255 . 0
 Gateway Address: 0 . 0 . 0 . 0
 Domain Name: Primary DNS Server Address: 0 . 0 . 0 . 0
 Host Name: Secondary DNS Server Address: 0 . 0 . 0 . 0

OK Cancel Apply Help

Descripción

Stations – Task Execution



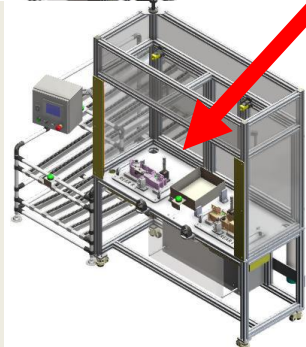
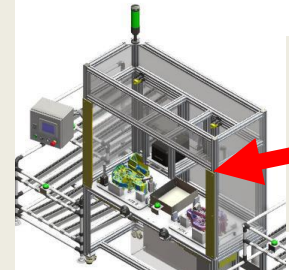
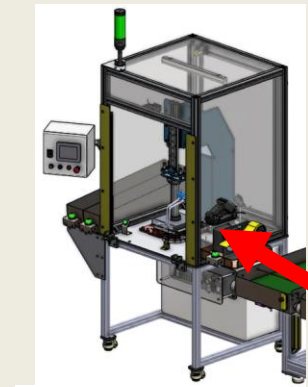
The image shows a 'Task Properties - T000_System' dialog box with four tabs: General, Configuration, Program Schedule, and Monitor. The 'Configuration' tab is active. It contains the following settings:

- Type: Periodic (dropdown menu)
- Period: 10.000 ms
- Priority: 10 (spin box) with a note: (Lower number yields higher priority)
- Watchdog: 500.000 ms
- ☐ Disable automatic output processing to reduce task overhead
- ☐ Inhibit task

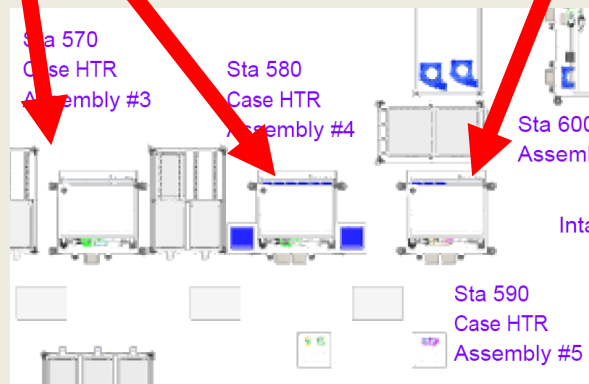
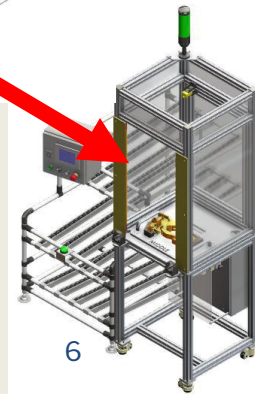
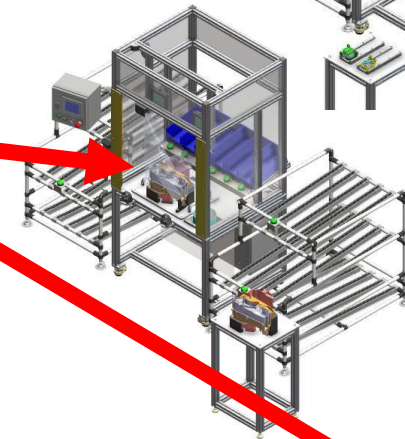
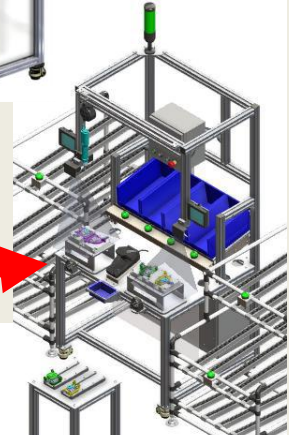
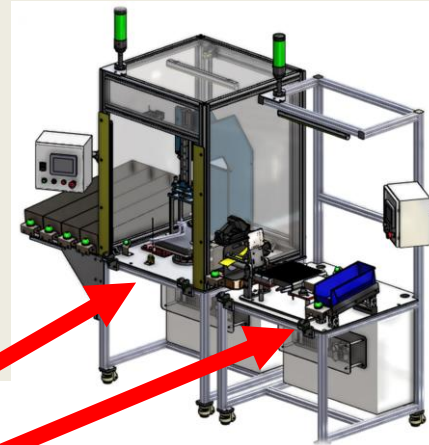
At the bottom are buttons for OK, Cancel, Apply, and Help.

Descripción

Stations

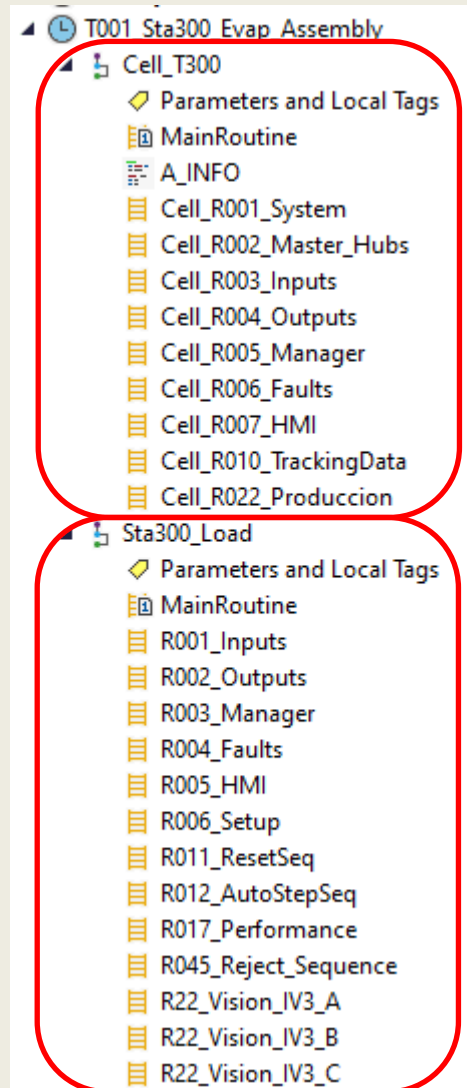


- Tasks
- ▶ T000_System
 - ▶ T001_Sta300_Evap_Assembly
 - ▶ T002_Station300B
 - ▶ T003_Sta400_IHE_Assembly
 - ▶ T004_Sta500_Motor_Actuator_Assembly
 - ▶ T005_Sta550A_Temp_Sensor_Grease_Assy
 - ▶ T006_Sta550B_Temp_Sensor_Grease_Assy
 - ▶ T007_Sta560A_Asembly_2
 - ▶ T008_Sta560B_Grease_Application
 - ▶ T009_Sta570_Case_HTR_Assembly3
 - ▶ T010_Sta580_Case_HTR_Assembly4
 - ▶ T011_Sta590_Case_HTR_Assembly5



Descripción

Stations Distribution



For Basic Station Work:

- Start/Stop
- HMI Info
- Lamps
- Traceability

For Complex Operation:

- Auto Sequence
- Special Devices
- Special Config

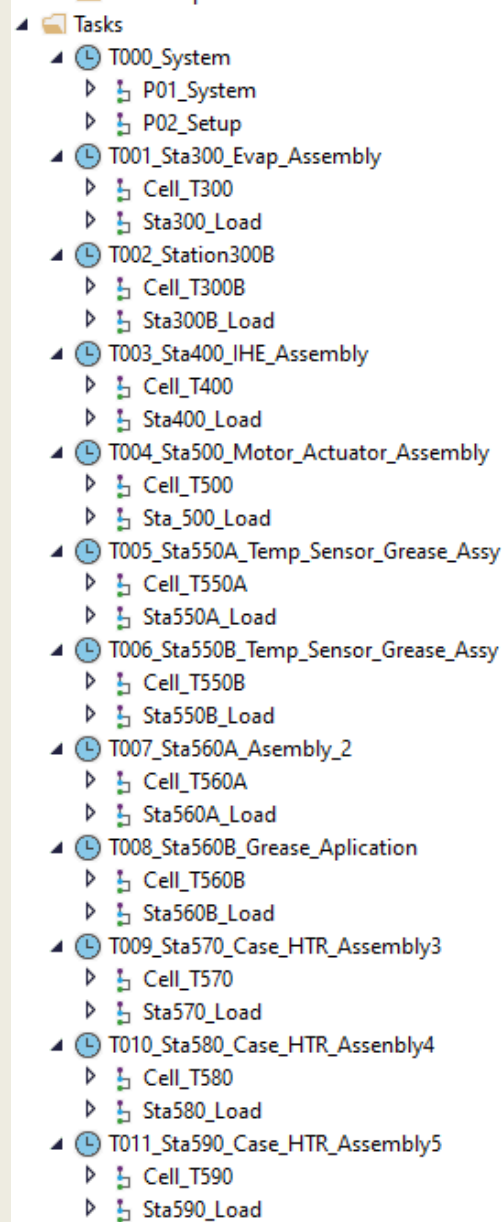
Stations Distribution

CellTxxx:

- Start/Stop
- HMI Info
- Lamps
- Traceability

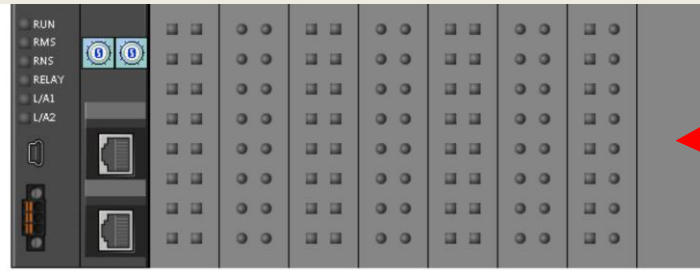
Staxxxx_Load:

- Auto Sequence
- Special Devices
- Special Config



Descripción

Ethernet Devices



I/O Configuration

- 1756 Backplane, 1756-A10
 - Ethernet
 - 1756-L85E Sander
 - ETHERNET-MODULE Sta300_XEL
 - ETHERNET-MODULE Sta300B_XEL
 - ETHERNET-MODULE Sta400_XEL
 - ETHERNET-MODULE Sta500_XEL
 - ETHERNET-MODULE Sta550A_XEL
 - ETHERNET-MODULE Sta550B_XEL
 - ETHERNET-MODULE Sta560A_XEL
 - ETHERNET-MODULE Sta560B_XEL
 - ETHERNET-MODULE Sta570_XEL
 - ETHERNET-MODULE Sta580_XEL
 - ETHERNET-MODULE Sta590_XEL
 - IV3 Series Sta300_IV3A
 - IV3 Series Sta300_IV3B
 - IV3 Series Sta300_IV3C
 - IV3 Series Sta400_IV3A
 - IV3 Series Sta400_IV3B
 - IV3 Series Sta500_IV3A
 - IV3 Series Sta500_IV3B
 - CV-X400 Series Sta550A_CVX
 - CV-X400 Series Sta550B_CVX
 - IV3 Series Sta560A_IV3A
 - IV3 Series Sta560A_IV3B
 - IV3 Series Sta570_IV3A
 - IV3 Series Sta570_IV3B
 - IV3 Series Sta580_IV3A
 - IV3 Series Sta580_IV3B
 - IV3 Series Sta590_IV3A
 - IV3 Series Sta590_IV3B
 - DL-EP1 Sta550A_LVDT
 - DL-EP1 Sta550B_LVDT
 - SR-X1H3H Sta500_SRX1
 - SR-X1H3H Sta500_SRX2
 - SR-X1H3H Sta500_SRX3
 - SR-X1H3H Sta500_SRX4



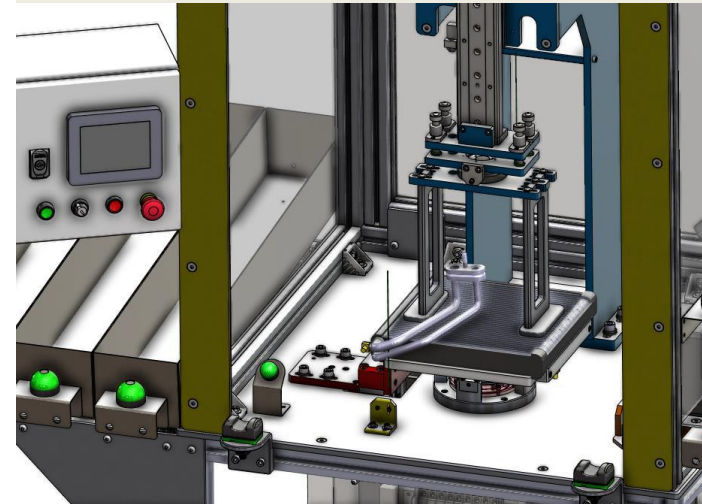
Sta300 Progress

- ⌵ ⌚ T001_Sta300_Evap_Assembly
 - ⌵ 🏠 Cell_T300
 - 📁 Parameters and Local Tags
 - 📁 MainRoutine
 - 📁 A_INFO
 - 📁 Cell_R001_System
 - 📁 Cell_R002_Master_Hubs
 - 📁 Cell_R003_Inputs
 - 📁 Cell_R004_Outputs
 - 📁 Cell_R005_Manager
 - 📁 Cell_R006_Faults
 - 📁 Cell_R007_HMI
 - 📁 Cell_R010_TrackingData
 - 📁 Cell_R022_Produccion

Complete
Only Info
Complete
Spare
Complete
Complete
Complete
Complete
Complete
In Process 60%
Complete

- ⌵ 🏠 Sta300_Load
 - 📁 Parameters and Local Tags
 - 📁 MainRoutine
 - 📁 R001_Inputs
 - 📁 R002_Outputs
 - 📁 R003_Manager
 - 📁 R004_Faults
 - 📁 R005_HMI
 - 📁 R006_Setup
 - 📁 R011_ResetSeq
 - 📁 R012_AutoStepSeq
 - 📁 R017_Performance
 - 📁 R045_Reject_Sequence
 - 📁 R22_Vision_IV3_A
 - 📁 R22_Vision_IV3_B
 - 📁 R22_Vision_IV3_C

Complete
Complete
Complete
Complete
Complete
Complete
Spare
Waiting For On-Field Debug
Waiting For On-Field Debug
Complete
Waiting For On-Field Debug
Complete
Complete
Complete



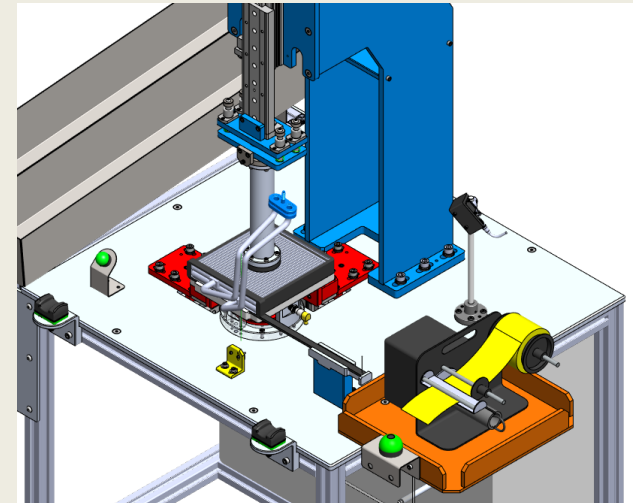
Sta400 Progress

- ▲ ⌚ T003_Sta400_IHE_Assembly
 - ▲ 🏠 Cell_T400
 - 📁 Parameters and Local Tags
 - 📁 MainRoutine
 - 📁 A_INFO
 - 📁 Cell_R001_System
 - 📁 Cell_R002_Master_Hubs
 - 📁 Cell_R003_Inputs
 - 📁 Cell_R004_Outputs
 - 📁 Cell_R005_Manager
 - 📁 Cell_R006_Faults
 - 📁 Cell_R007_HMI
 - 📁 Cell_R010_TrackingData
 - 📁 Cell_R022_Produccion

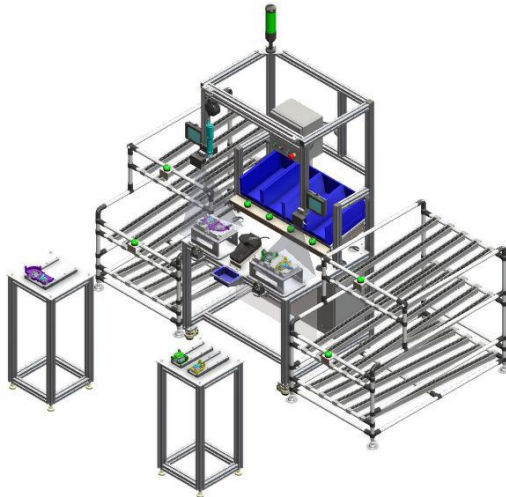
Complete
Only Info
Complete
Spare
Complete
Complete
Complete
Complete
Complete
In Process 60%
Complete

- ▲ 🏠 Sta400_Load
 - 📁 Parameters and Local Tags
 - 📁 MainRoutine
 - 📁 R001_Inputs
 - 📁 R002_Outputs
 - 📁 R003_Manager
 - 📁 R004_Faults
 - 📁 R005_HMI
 - 📁 R006_Setup
 - 📁 R011_ResetSeq
 - 📁 R012_AutoStepSeq
 - 📁 R017_Performance
 - 📁 R045_Reject_Sequence
 - 📁 R22_Vision_IV3_A
 - 📁 R22_Vision_IV3_B

Complete
Complete
Complete
Complete
Complete
Complete
Spare
Waiting For On-Field Debug
Waiting For On-Field Debug
Complete
Waiting For On-Field Debug
Complete
Complete



Sta500 Progress



Descripción

Complete
Only Info
Complete
Spare
Complete
Complete
Complete
Complete
Complete
In Process 60%
Complete

Complete
Complete
Complete
Complete
Complete
Spare
Waiting For On-Field Debug
Waiting For On-Field Debug
Complete
Complete
Complete
Complete
Complete
Waiting For On-Field Debug
Complete
Complete

T004_Sta500_Motor_Actuator_Assembly

Cell_T500

Parameters and Local Tags

MainRoutine
A_INFO
Cell_R001_System
Cell_R002_Master_Hubs
Cell_R003_Inputs
Cell_R004_Outputs
Cell_R005_Manager
Cell_R006_Faults
Cell_R007_HMI
Cell_R010_TrackingData
Cell_R022_Produccion

Sta_500_Load

Parameters and Local Tags

MainRoutine
R001_Inputs
R002_Outputs
R003_Manager
R004_Faults
R005_HMI
R006_Setup
R011_ResetSeq
R012_AutoStepSeq
R014_Scanner1
R014_Scanner2
R014_Scanner3
R014_Scanner4
R017_Performance
R045_Reject_Sequence
R22_Vision_IV3_A
R22_Vision_IV3_B

Sta550A Progress

▲ ⌚ T005_Sta550A_Temp_Sensor_Grease_Assy

▲ 🏠 Cell_T550A

🔧 Parameters and Local Tags

📁 MainRoutine

📁 A_INFO

📁 Cell_R001_System

📁 Cell_R002_Master_Hubs

📁 Cell_R003_Inputs

📁 Cell_R004_Outputs

📁 Cell_R005_Manager

📁 Cell_R006_Faults

📁 Cell_R007_HMI

📁 Cell_R010_TrackingData

📁 Cell_R022_Produccion

Complete
Only Info
Complete
Spare
Complete
Complete
Complete
Complete
Complete
In Process 60%
Complete

▲ 🏠 Sta550A_Load

🔧 Parameters and Local Tags

📁 MainRoutine

📁 R001_Inputs

📁 R002_Outputs

📁 R003_Manager

📁 R004_Faults

📁 R005_HMI

📁 R006_Setup

📁 R011_ResetSeq

📁 R012_AutoStepSeq

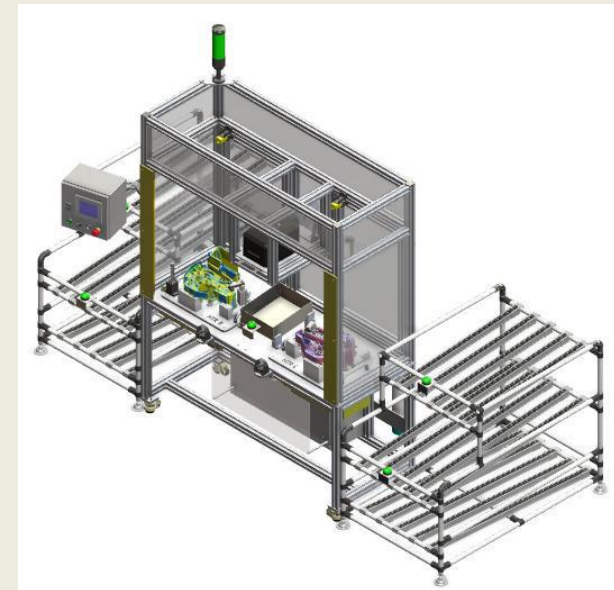
📁 R017_Performance

📁 R018_LVDT

📁 R045_Reject_Sequence

📁 R22_Vision_CVX_A

Complete
Complete
Complete
Complete
Complete
Complete
Spare
Waiting For On-Field Debug
Waiting For On-Field Debug
Complete
Complete
Waiting For On-Field Debug
Complete



Sta550B Progress

T006_Sta550B_Temp_Sensor_Grease_Assy

Cell_T550B

Parameters and Local Tags

Complete

Only Info

Complete

Spare

Complete

Complete

Complete

Waiting For AutoStepSeq 40%

Waiting For AutoStepSeq 60%

In Process 60%

Complete

MainRoutine

A_INFO

Cell_R001_System

Cell_R002_Master_Hubs

Cell_R003_Inputs

Cell_R004_Outputs

Cell_R005_Manager

Cell_R006_Faults

Cell_R007_HMI

Cell_R010_TrackingData

Cell_R022_Produccion

Sta550B_Load

Parameters and Local Tags

Complete

Complete

Complete

Complete

Waiting For AutoStepSeq 20%

Complete

Spare

Waiting For AutoStepSeq 80%

In Process 10%

Complete

Waiting For AutoStepSeq 95%

Waiting For AutoStepSeq 70%

Waiting For AutoStepSeq 95%

MainRoutine

R001_Inputs

R002_Outputs

R003_Manager

R004_Faults

R005_HMI

R006_Setup

R011_ResetSeq

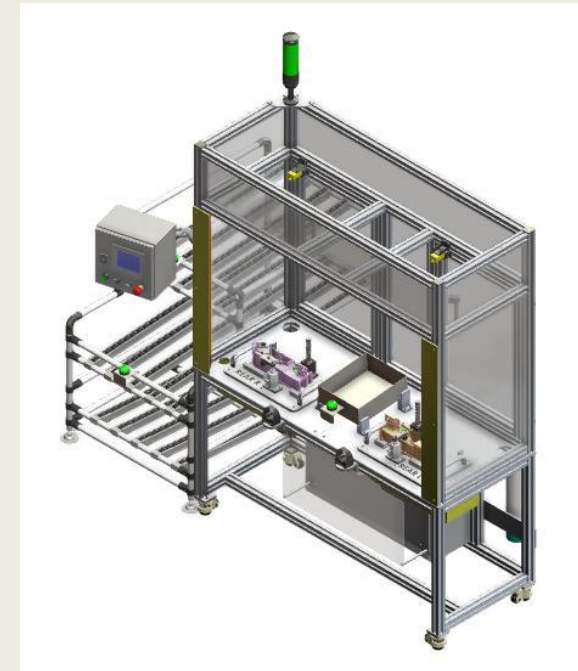
R012_AutoStepSeq

R017_Performance

R018_LVDT

R045_Reject_Sequence

R22_Vision_CVX_B



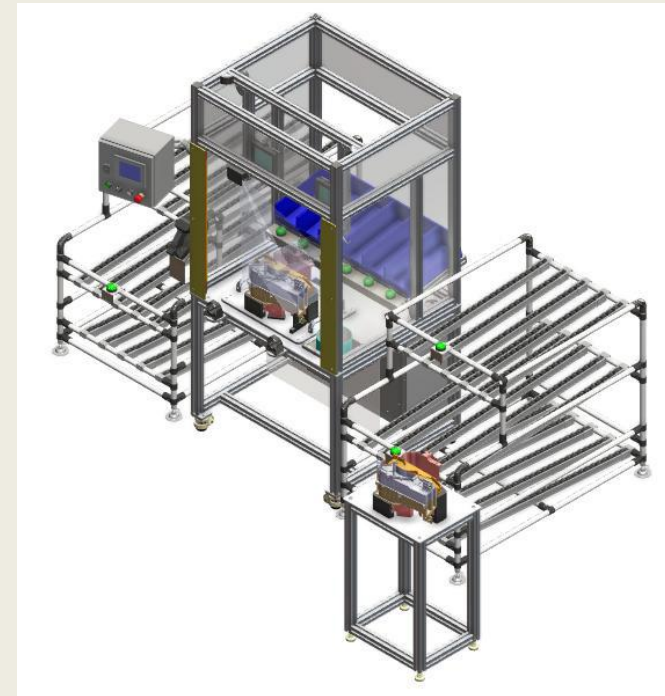
Sta560A Progress

- ▲ ⌚ T007_Sta560A_Assembly_2
 - ▲ 📁 Cell_T560A
 - ◆ Parameters and Local Tags
 - 📁 MainRoutine
 - 📁 A_INFO
 - 📁 Cell_R001_System
 - 📁 Cell_R002_Master_Hubs
 - 📁 Cell_R003_Inputs
 - 📁 Cell_R004_Outputs
 - 📁 Cell_R005_Manager
 - 📁 Cell_R006_Faults
 - 📁 Cell_R007_HMI
 - 📁 Cell_R010_TrackingData
 - 📁 Cell_R022_Produccion

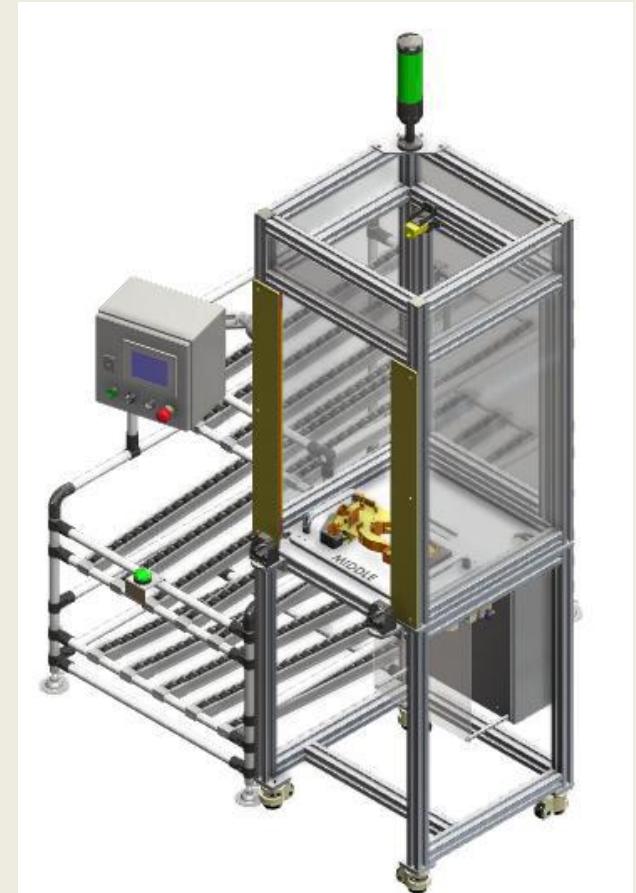
Complete
 Only Info
 Complete
 Spare
 Complete
 Complete
 Complete
 Waiting For AutoStepSeq 40%
 Waiting For AutoStepSeq 60%
 In Process 60%
 Complete

- ▲ 📁 Sta560A_Load
 - ◆ Parameters and Local Tags
 - 📁 MainRoutine
 - 📁 R001_Inputs
 - 📁 R002_Outputs
 - 📁 R003_Manager
 - 📁 R004_Faults
 - 📁 R005_HMI
 - 📁 R006_Setup
 - 📁 R011_ResetSeq
 - 📁 R012_AutoStepSeq
 - 📁 R017_Performance
 - 📁 R045_Reject_Sequence
 - 📁 R22_Vision_IV3_A

Complete
 Complete
 Complete
 Complete
 Waiting For AutoStepSeq 20%
 Complete
 Spare
 Waiting For AutoStepSeq 80%
 In Process 10%
 Complete
 Waiting For AutoStepSeq 70%
 Waiting For AutoStepSeq 95%



Description



Sta570 Progress

⌵ ⌚ T009_Sta570_Case_HTR_Assembly3

⌵ 🏠 Cell_T570

🔑 Parameters and Local Tags

📁 MainRoutine

📁 A_INFO

📁 Cell_R001_System

📁 Cell_R002_Master_Hubs

📁 Cell_R003_Inputs

📁 Cell_R004_Outputs

📁 Cell_R005_Manager

📁 Cell_R006_Faults

📁 Cell_R007_HMI

📁 Cell_R010_TrackingData

📁 Cell_R022_Produccion

Complete

Only Info

Complete

Spare

Complete

Complete

Complete

Waiting For AutoStepSeq 40%

Waiting For AutoStepSeq 60%

In Process 60%

Complete

⌵ 🏠 Sta570_Load

🔑 Parameters and Local Tags

📁 MainRoutine

📁 R001_Inputs

📁 R002_Outputs

📁 R003_Manager

📁 R004_Faults

📁 R005_HMI

📁 R006_Setup

📁 R011_ResetSeq

📁 R012_AutoStepSeq

📁 R017_Performance

📁 R045_Reject_Sequence

📁 R22_Vision_IV3_A

📁 R22_Vision_IV3_B

Complete

Complete

Complete

Complete

Waiting For AutoStepSeq 20%

Complete

Spare

Waiting For AutoStepSeq 80%

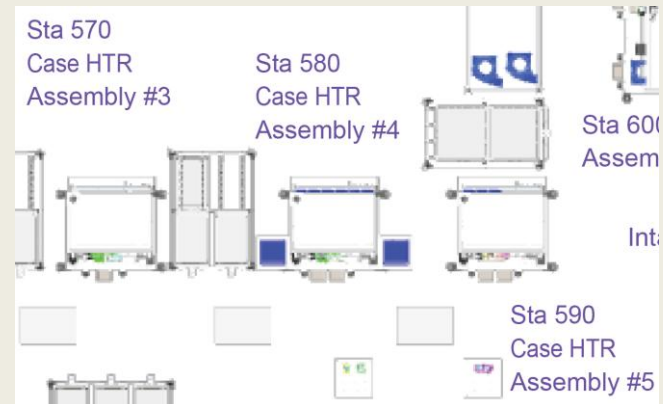
Waiting Previous Stations 10%

Complete

Waiting For AutoStepSeq 70%

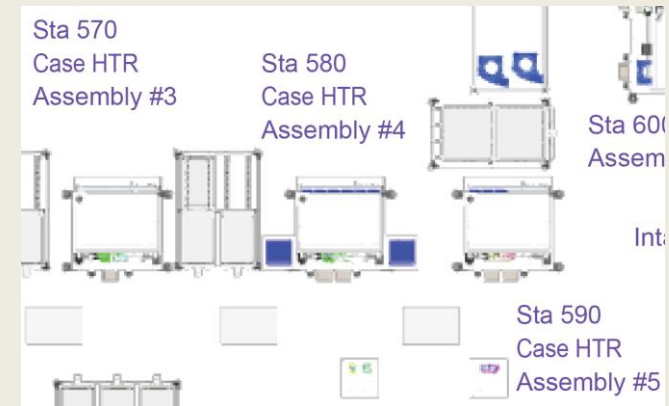
Waiting For AutoStepSeq 95%

Waiting For AutoStepSeq 95%



Sta580 Progress

	- T010_Sta580_Case_HTR_Assembly4 - Cell_T580 - Parameters and Local Tags - MainRoutine - A_INFO - Cell_R001_System - Cell_R002_Master_Hubs - Cell_R003_Inputs - Cell_R004_Outputs - Cell_R005_Manager - Cell_R006_Faults - Cell_R007_HMI - Cell_R010_TrackingData - Cell_R022_Produccion
Complete	
Only Info	
Complete	
Spare	
Complete	
Complete	
Complete	
Waiting For AutoStepSeq 40%	
Waiting For AutoStepSeq 60%	
In Process 60%	
Complete	
	- Sta580_Load - Parameters and Local Tags - MainRoutine - R001_Inputs - R002_Outputs - R003_Manager - R004_Faults - R005_HMI - R006_Setup - R011_ResetSeq - R012_AutoStepSeq - R017_Performance - R045_Reject_Sequence - R22_Vision_IV3_A - R22_Vision_IV3_B
Complete	
Complete	
Complete	
Complete	
Waiting For AutoStepSeq 20%	
Complete	
Spare	
Waiting For AutoStepSeq 80%	
Waiting Previous Stations 10%	
Complete	
Waiting For AutoStepSeq 70%	
Waiting For AutoStepSeq 95%	
Waiting For AutoStepSeq 95%	



Sta590 Progress

⌚ T011_Sta590_Case_HTR_Assembly5

📁 Cell_T590

📁 Parameters and Local Tags

📁 MainRoutine

📁 A_INFO

📁 Cell_R001_System

📁 Cell_R002_Master_Hubs

📁 Cell_R003_Inputs

📁 Cell_R004_Outputs

📁 Cell_R005_Manager

📁 Cell_R006_Faults

📁 Cell_R007_HMI

📁 Cell_R010_TrackingData

📁 Cell_R022_Produccion

Complete

Only Info

Complete

Spare

Complete

Complete

Complete

Waiting For AutoStepSeq 40%

Waiting For AutoStepSeq 60%

In Process 60%

Complete

📁 Sta590_Load

📁 Parameters and Local Tags

📁 MainRoutine

📁 R001_Inputs

📁 R002_Outputs

📁 R003_Manager

📁 R004_Faults

📁 R005_HMI

📁 R006_Setup

📁 R011_ResetSeq

📁 R012_AutoStepSeq

📁 R017_Performance

📁 R045_Reject_Sequence

📁 R22_Vision_IV3_A

📁 R22_Vision_IV3_B

Complete

Complete

Complete

Complete

Waiting For AutoStepSeq 20%

Complete

Spare

Waiting For AutoStepSeq 80%

Waiting Previous Stations 10%

Complete

Waiting For AutoStepSeq 70%

Waiting For AutoStepSeq 95%

Waiting For AutoStepSeq 95%

