Turn off Indicator Lights

0

System_Running

O_Red_Tower_Ind
<Local:5:O.Data.10>
(U)

Normal_Flasher

O_Amber_Tower_Ind
<Local:5:O.Data.9>
( )

O_Green_Tower_Ind
<Local:5:O.Data.8>
(U)

Resetting
(L)

Turn Off Production Steps

1

Resetting

Production_Step.1
(U)

Production_Step.2
(U)

Production_Step.3
(U)

Production_Step.4
(U)

Production_Step.5
(U)

Production_Step.6
(U)

Production_Step.7
(U)

Production_Step.8
(U)

Production_Step.9
(U)

Production_Step.10
(U)

Production_Step.11
(U)

Production_Step.12
(U)

Turn Off Vacuum

2

Resetting

O_Vacuum_Off
<Local:5:O.Data.2>
( )

O_Vacuum_On
<Local:5:O.Data.1>
(U)

O_Conveyor_On
<Local:5:O.Data.5>
(U)

Retract Box Eject

3

Resetting

I_Vacuum_Sensor_On
<Local:3:I.Data.8>

O_Box_Eject
<Local:4:O.Data.0>
(U)

a_Reset_Routine - Ladder Diagram
Page 2
Project_Template:MainTask:MainProgram
5/9/2023 8:20:51 AM
Total number of rungs in routine: 11
...rades\Final\Final_Prog\labteam1_257551_66281869_Team1_Final.ACD

Retract Vacuum Head

4 — Resetting — I_Vacuum_Sensor_On <Local:3:I.Data.8> / — I_Box_Ejector_Extended <Local:2:I.Data.4> / — O_Vacuum_Head_Extend <Local:4:O.Data.8> (U)

Rotate Vacuum Head CW

5 — Resetting — I_Vacuum_Sensor_On <Local:3:I.Data.8> / — I_Box_Ejector_Extended <Local:2:I.Data.4> / — I_Vacuum_Head_Retracted <Local:2:I.Data.13> — Step_6_Done / — O_Vacuum_Head_Rotate_CW <Local:4:O.Data.6> ( )

6 — Resetting — I_Vacuum_Head_Rotated_CW <Local:2:I.Data.12> — Step_6_Done (L)

Raise Vacuum Head

7 — Resetting — I_Vacuum_Sensor_On <Local:3:I.Data.8> / — I_Box_Ejector_Extended <Local:2:I.Data.4> / — I_Vacuum_Head_Retracted <Local:2:I.Data.13> — I_Vacuum_Head_Rotated_CW <Local:2:I.Data.12> — O_Vacuum_Head_Lower <Local:4:O.Data.5> (U)

Move Vacuum Head to Magazine

8 — Resetting — I_Vacuum_Sensor_On <Local:3:I.Data.8> / — I_Box_Ejector_Extended <Local:2:I.Data.4> / — I_Vacuum_Head_Retracted <Local:2:I.Data.13> — I_Vacuum_Head_Rotated_CW <Local:2:I.Data.12>
— I_Vacuum_Head_Raised <Local:2:I.Data.9> — O_Vacuum_Head_to_Magazine <Local:4:O.Data.10> ( ) — O_Vacuum_Head_to_Conveyor <Local:4:O.Data.9> (U)

Rotate Vacuum Head CCW

9 — Resetting — I_Vacuum_Sensor_On <Local:3:I.Data.8> / — I_Box_Ejector_Extended <Local:2:I.Data.4> / — I_Vacuum_Head_Retracted <Local:2:I.Data.13> — I_Vacuum_Head_Raised <Local:2:I.Data.9>
— I_Vacuum_Head_at_Magazine <Local:2:I.Data.15> — O_Vacuum_Head_Rotate_CCW <Local:4:O.Data.7> ( ) — Home_Flag (L)

Set Home Flag, Turn off Amber Light, Turn on Green Light, allow reset button to be pressed again

10

Resetting   Home_Flag

O_Amber_Tower_Ind
<Local:5:O.Data.9>
(U)

O_Green_Tower_Ind
<Local:5:O.Data.8>
( )

Resetting
(U)

Step_6_Done
(U)

(End)