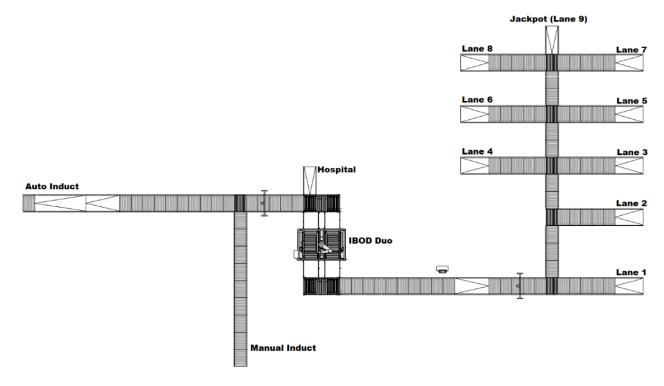


# **FAT - Factory Acceptance Test**





for







Title IBOD Duo with Sortation

Project No. 28444

Location Bloomington, CA

Customer Arnold Packaging (GXO - adidas)

Description FAT - Factory Acceptance Test

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### 1 System Tests

Step	Test	Pass / Fail	Comments			
	System Design					
1	Verify that the IBOD has an electrical disconnect switch which will remove power from the system					
2	Verify the HMI (Human Machine Interface) shows the system status on the screen					
3	Verify the system starts when the start button is selected					
4	Verify the three user access levels exist: Operator, Maintenance, and Supervisor					
	Box Dimensions and Weight					
5	The IBOD shall convey and cut a minimum box size of 6"x6"x5" and a maximum of 30"x21"x19"					
6	The IBOD shall convey and cut a minimum box weight of 1lb and a maximum of 50lbs		Not demonstrated in video FAT			
7	Verify the size of the box is shown on the HMI screen					
		Remote Support				
8	Verify that the CASI system can receive support via remote access					
	Safety					
9	Verify that the door interlocks remove power to the robot motors when a door is opened					
10	While the system is in operation, verify that all motion stops on the IBOD system when an emergency stop is engaged					
11	Verify that there is an audible and visual indicator for the emergency stop					
12	Verify that the CASI CORE indicates when an emergency stop is engaged					
13	Verify system air dumps whenever an emergency stop is engaged					



14	Verify the systems returns to a ready status after the emergency stop is reset					
15	Both electrical and pneumatic disconnects are LOTO capable					
	IBOD Performance					
16	Confirm the cut rate is: 525 cph					
17	IBODs shall successfully cut the top on all 4 sides. *A successful cut assumes that the box meets all requirements of the SRD, and the lid is cut to a point where it can be easily removed by hand or automatic lid remover.					
Recipe Builder						
18	Operator can only select a recipe to cut with but cannot edit.					
19	Maintenance / Supervisor can add/edit/delete recipes					
20	Supervisor can edit users					
Automatic Blade Changer						
21	IBOD will automatically change tools when blade usage has passed preset threshold					
22	Confirm successful pick/place at every position on the tool holder					
23	IBOD will only pick tools that are marked good (green) and will bypass used (red) tools					
Induct Line						
24	Verify Induct scanners read front and rear facing SSCC label					
25	Confirm induct, merge/scan rate will meet/exceed IBOD rate of 525/hr					
26	Verify event log shows reads, no-reads, sort codes, and API call status					
Sortation Line						



27	Verify Sort verify scanner reads front and rear facing SSCC label				
28	Confirm sortation rate will meet/exceed IBOD rate of 525/hr				
29	Verify event log shows reads, no-reads, sort assignments, and rejects.				
30	Verify cartons are sorted to designated lanes				
31	Verify the lane full sensor on each sortation lane pauses sortation to that individual lane				
32	Verify packages with errors are routed to the jackpot lane.				
Sorter HMI					
33	Verify ability to add/delete sort codes				
34	Verify ability to assign/remove sort codes to sort lanes (multiple lanes if required)				
35	Verify ability to enable/disable sort lanes				
36	Verify only Supervisors and Maintenance have access to "Routes" tab				
	System Warnings/Indicators				
37	System warnings/error will have a visual indicator either on HMI or light tower				

#### 2 Notes

Notes



#### **ACCEPTANCE SHEET**

This document is hereby approved by all parties. All sections are hereby specified by CASI project #28444, "Arnold Packaging (GXO - adidas)" meeting all requirements necessary pertaining to the CASI scope of work. This Acceptance Sheet, belonging to the document titled "28444 - Arnold - GXO - adidas FAT rev 1.0" of the current revision, needs to be returned to CASI promptly to ensure progress of the scope of work detailed in this document in accordance with the project schedule.

**Arnold Packaging (GXO - adidas)** 

## Signature of Approval Name (Please Print) Title Date Signature of Approval Name (Please Print) Title Date Cornerstone Automation Systems, LLC (CASI) Name (Please Print) Signature of Approval Date Title Signature of Approval Name (Please Print) Title Date