

Operation/Task:	Operation and calibration of Cognex Camera system			Equipment:	Cognex Camera system
Owner:	Finishing Manager	Date Created:	6/2025	Department:	Finishing
		Revision History:	See last page		

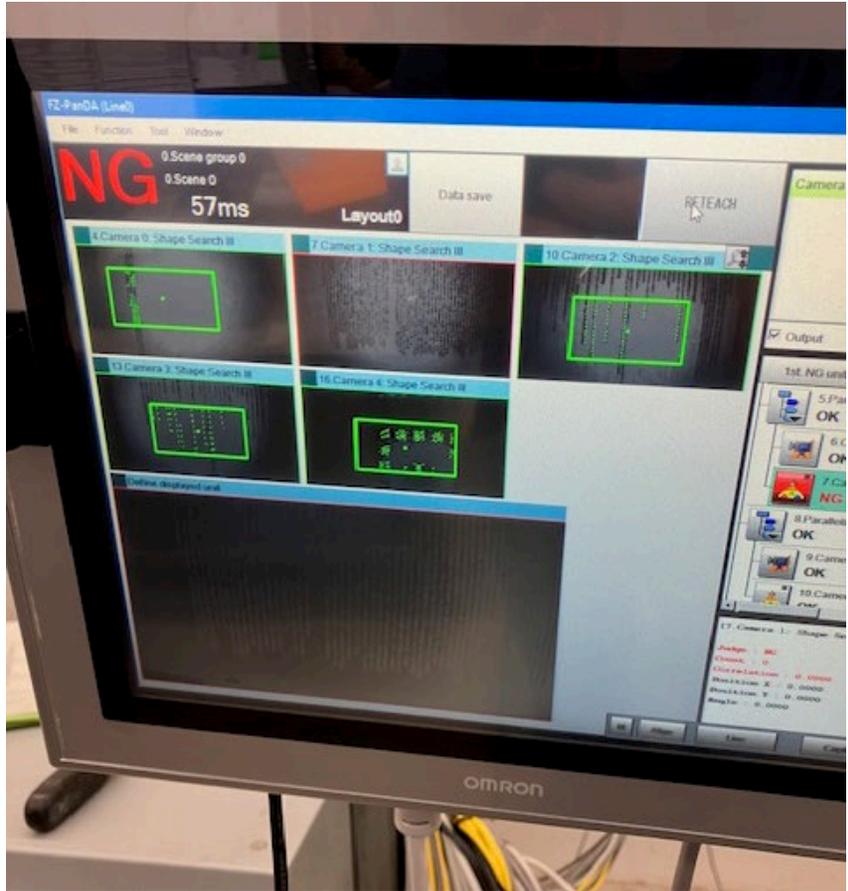
ALERTS (see below): Critical Step ◆ Quality Check Tip 😊 Team Safety +

Purpose: This SOP/work instruction documents Operation and calibration of Cognex Camera system. Applicable to all production lines using the automated camera system for IFU booklet inspection at ENPOINTE.

Step #	Alerts	Step Description - "What to Do"	"How to Do it"	"Why to Do it"
1		Operators are responsible for performing camera calibration or set up, loading correct signatures, and verifying system readiness before production.		
2		Supervisors are responsible for ensuring operators follow as per work instructions.		
3		Pre-Production Setup	<ol style="list-style-type: none"> 1. Power on the EC9200 Bindery CS and ensure the camera system is ON. 2. Load reference signatures into the appropriate pockets (each pocket corresponds to a specific page of the IFU). 3. Visually confirm the camera system is green: <ol style="list-style-type: none"> a. Each pocket will indicate the correct signature with a green outline b. A red outline indicates the wrong signature. 4. If a red outline appears, recheck and reload the correct signature into that pocket. 	

4
Camera Calibration – Before Each Job Run

1. On the control panel, press the “Re-Teach” button.
 - This triggers a baseline scan of the loaded reference signatures.
2. Wait for the system to confirm calibration success (green light on panel).



5		Trial Run – Verification of Setup	<ol style="list-style-type: none"> 1. Run 25 IFU sets through the entire stitching line as a trial batch. 2. Inspect output for: <ul style="list-style-type: none"> - Correct pagination (each IFU has all required pages in correct order) - No missing pages - No misaligned or reversed pages 3. If any errors are detected: <ul style="list-style-type: none"> - Stop the machine - Re-check pocket loading and re-initiate calibration (repeat Steps 4.1–4.3) 	
6		Production Monitoring	<ol style="list-style-type: none"> 1. During full production, the system continuously scans each booklet. 2. If a red light appears on the panel (defect detected): <ul style="list-style-type: none"> - The machine will automatically stop - Remove the defective booklet from production - Reload the correct signature (if necessary) - Re-perform calibration using the “Re-Teach” function - Resume production only after the green status is restored. 	
7		Post-Production	Report any recurring false rejections or missed defects to maintenance and quality engineering.	
Notes:				

Definitions:

Revision History	Description of Changes	Requested by	Date
Rev 1	First posting to intranet	Jeff Storeby	12/25