

## Network PCA Form

### PCA Request Details:

**Requestor Name:** Joel Dutton

**Requestor Job Title:** Central SME team

**Date:** 5/2/2022

**Triggering Event WO#:**

**Brief Description of Root Cause for Triggering Event/Why PCA being requested:**

A SmartPac operator received a hairline fracture on their finger after experiencing an impact from the SmartPac gripper upward movement. The gripper component was previously rated as a low risk item, however this injury and others experienced in the network changes the risk to severe. A code has been created to remove gripper upward motion and closing actuation in all versions of the SmartPac machine while the light curtain is crossed.

**Equipment Model/Models Impacted:** All SmartPac Models

**EAM Profile:** AMITY, A61141, APAC31, ASP153, PPAC31, PTPAC3, SPAC32, SPAC33, SPAC52

**Sites Impacted:**

ABQ1	BHM1	DEN3	FTW6	LGA9	MKE2	PSP1	TUL2
ACY1	BOI2	DEN4	GEG1	LGB3	MQY1	RDU1	TUS2
AGS1	BWI2	DET3	GRR1	LGB7	MSP1	SAN3	VGT1
AKC1	CLE2	DFW7	GYR1	LIT1	MTN1	SAT2	YHM1
ATL2	CLE3	DSM5	HOU2	MCO1	OAK4	SLC1	YVR4
AUS2	CLT4	DTW1	HOU6	MDW7	OKC1	SMF1	YYC1
BDL2	CMH1	ELP1	IGQ1	MEM4	ORD5	STL8	YYZ4
BDL3	CMH4	EWR4	JAX2	MIA1	OXR1	SYR1	YYZ7
BFI4	DAL3	EWR9	JFK8	MKC6	PCW1	TPA1	
BFL1	DCA1	FAT1	LAS7	MKE1	PDX9	TPA4	

## General Information:

**PCA Work Order Description:** SmartPac PLC and HMI Gripper Safety code update

**Is LOTO needed:** No

**# of Techs required to perform task:** 1 CSx

**Estimated Time to complete (in hours):** 0.75 per SmartPac machine

**PCA Due Date:** 6/10/2022

**Is there a network MCM/CR for this PCA request:** Yes

**If Yes, provide link:**

MCM: <https://mcm.amazon.com/cms/MCM-54257100>

CR: [https://approvals.amazon.com/Approval/Details/8921106?ref=pe\\_3525350\\_264309050](https://approvals.amazon.com/Approval/Details/8921106?ref=pe_3525350_264309050)

**Is a PO required for this PCA (Yes or No?):** No

**Enter General Task instructions for WO:**

- ☐ - Review Documentation [SmartPac gripper interlock to light curtain code update notes 2022-04-13.docx](#)
- ☐ - Utilizing Parent MCM, complete Local MCM
- ☐ - Download the PLC code and HMI from the repository noted in the Parent MCM
- ☐ - Verify changes made before moving to next machine

## Action(s) Required by Impacted Sites:

- Download the PLC code and HMI from the repository noted in the Primary MCM
  - **DO NOT use copies from any other source**
- This must be a machine that can and will run production after the upgrade
- Backup the PLC and archive to standard
- Backup the HMI and archive to standard
- Record all HMI settings
- Record all 'gpar' settings
- Update the PLC and HMI (both are needed)
- Set all configurations to the values obtained during the backup process
  - Resolve any issues
  - Put machine in production
  - Review equipment performance with OPS area manager after 4 hours of equipment run time
- AFTER successful first machine - Schedule all other SmartPac and close the PCA WO once completed

## Important Links

SmartPac 3 wiki

- <https://w.amazon.com/index.php/FCShip/SmartPac>

SmartPac 3 gPar setting

- [https://w.amazon.com/bin/view/FCShip/SmartPac#g\\_Par\\_Definitions\\_28Machine\\_Option\\_Settings.29](https://w.amazon.com/bin/view/FCShip/SmartPac#g_Par_Definitions_28Machine_Option_Settings.29)

Smartpac 3 code

- [https://w.amazon.com/index.php/FCShip/SmartPac#Software\\_Versions](https://w.amazon.com/index.php/FCShip/SmartPac#Software_Versions)

SmartPac 5 wiki

- [https://w.amazon.com/bin/view/FCShip/SmartPac/Version5\\_x/](https://w.amazon.com/bin/view/FCShip/SmartPac/Version5_x/)

SmartPac 5 gPar settings

- [https://w.amazon.com/bin/view/FCShip/SmartPac/Version5\\_x/#Hg\\_ParDefinitions28MachineOptionSettings29](https://w.amazon.com/bin/view/FCShip/SmartPac/Version5_x/#Hg_ParDefinitions28MachineOptionSettings29)

SmartPac 5 code

- [https://w.amazon.com/bin/view/FCShip/SmartPac/Version5\\_x/#HSoftwareVersions](https://w.amazon.com/bin/view/FCShip/SmartPac/Version5_x/#HSoftwareVersions)