Clearing Robot Stack Jams

Step	Action	Key Points
1	Identify the area of the Jam	This can be either visual or use the HMI to Identify the jammed fault. Robot fault displayed will either read “Collision Detected” or “Robot out of Work Space”
2	Collision detected faults can be cleared by operators	If Robot is out of Work Space, pendant use or maintenance support is needed
3	Use correct gate entry procedure to enter the cell and apply your own lockout lock.	Pressing the entry request will park the system in a controlled state, but the robot should stay in place if it is currently processing a job
4	Clean up any loose cases from the jam/spill	Loose cases on the floor could be trip/slip hazards, remove completely from cell or place on outbound pallet board
5	Identify the jam point preventing the robot from moving to its intended location	The robot detects collision at very low forces, this could be a single case out of alignment with the stack or several cases
6	Remove all cases from the stack that are causing the jam	This can be done by wiggling the case out of the stack or by lifting the forks which are not locked into place on the stack **Safety Note**: Use a two-person lift if the forks need to be lifted out of the way, it becomes a much easier task
7	Either clean up the stack on the forks or remove all cases	If a few cases at the top were causing the jam, it may be easier to leave remaining cases on the forks
8	Exit the cell and restart from the gate.	There is no need to use the HMI to restart under normal Jam clearing conditions, however click Off/Reset and Start for Robot on HMI if collision detected fault remains (check if all jams were cleared)