

<b>Title:</b>	<b>Behavior after Emergency Stop</b>	<b>ID:</b>	
		0018	
<b>Date in:</b>	<b>Response:</b>	<b>Model:</b>	<b>Author:</b>
2003-07-19	2003-07-19	-	CMa

## Q:

I have a couple of questions about the operation of your incubator:

1. Please can you describe the actions that your incubator takes when the following occur:
  - Emergency Stop. - Does the system automatically recover, and is it able to continue if a plate is being transferred by the robot at the time of emergency stop?
  - Emergency Stop - In the current set-up would you expect the swap-station to continue to the end of its travel, or would it stop in mid-position and then continue when power is returned?
  - Missing Plate. I understand that you robot has a Bar Code Reader? What action does the robot take if a plate is missing from the swap station?

## A:

1a) I'm assuming you mean a reset command. After a reset or after power up the unit has to be initialized. There is a sensor on the shovel that allows to detect if there is a plate on the shovel. With this information you can recover accordingly.

1b) The Swap station will go back to its home position. Each nest of the Swap Station has a Plate Sensor. You can also request the actual position of the Swap Station.

1ca) The system has a BCR on the lift. We just introduced a Plate Presence Sensor that will detect a plate in a cassette or on the x-fer station.

1cb) If there is no plate on the transfer station the robot will wait until you put a plate.