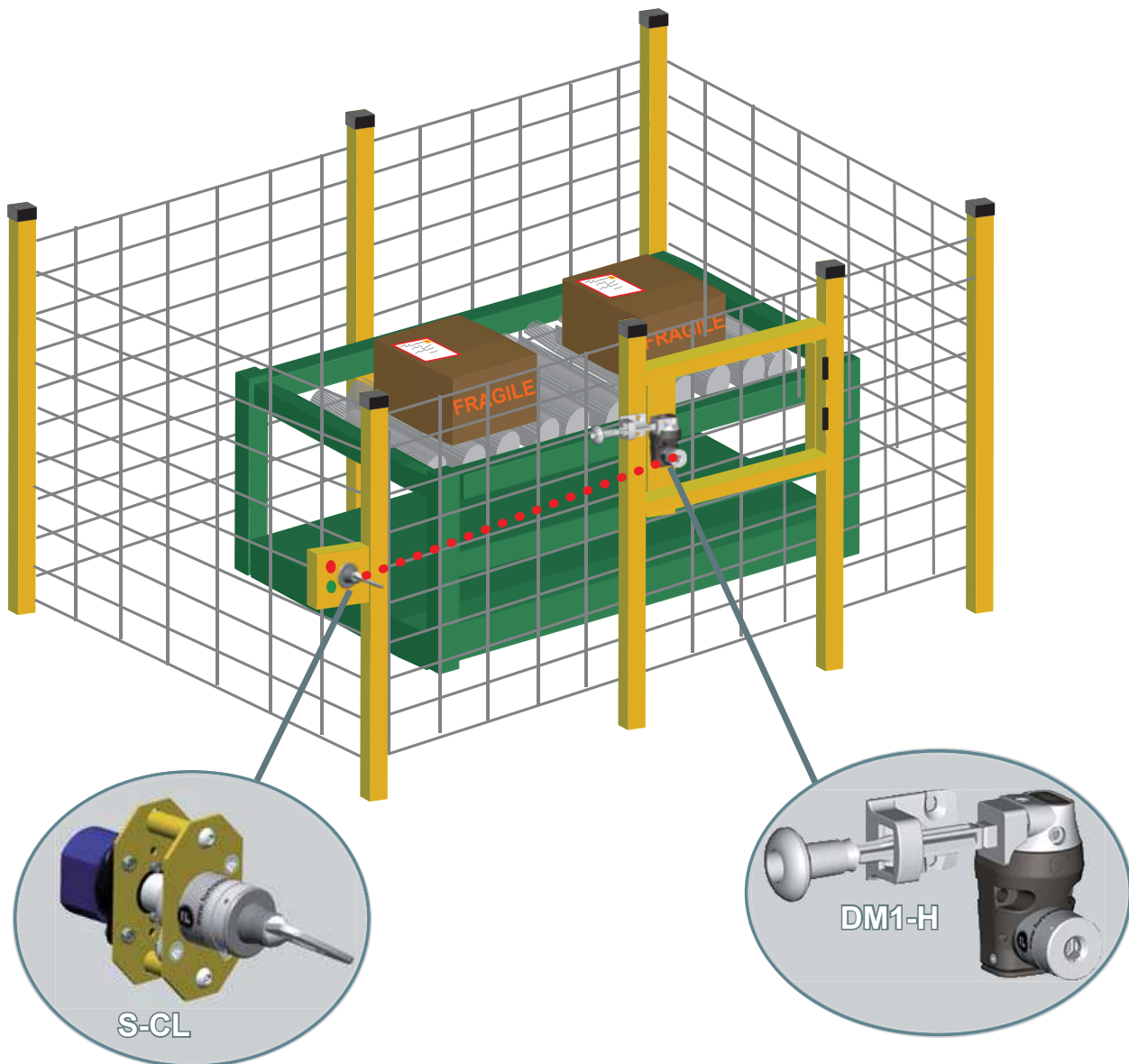


Conveyor

Part Body Access



Sequence

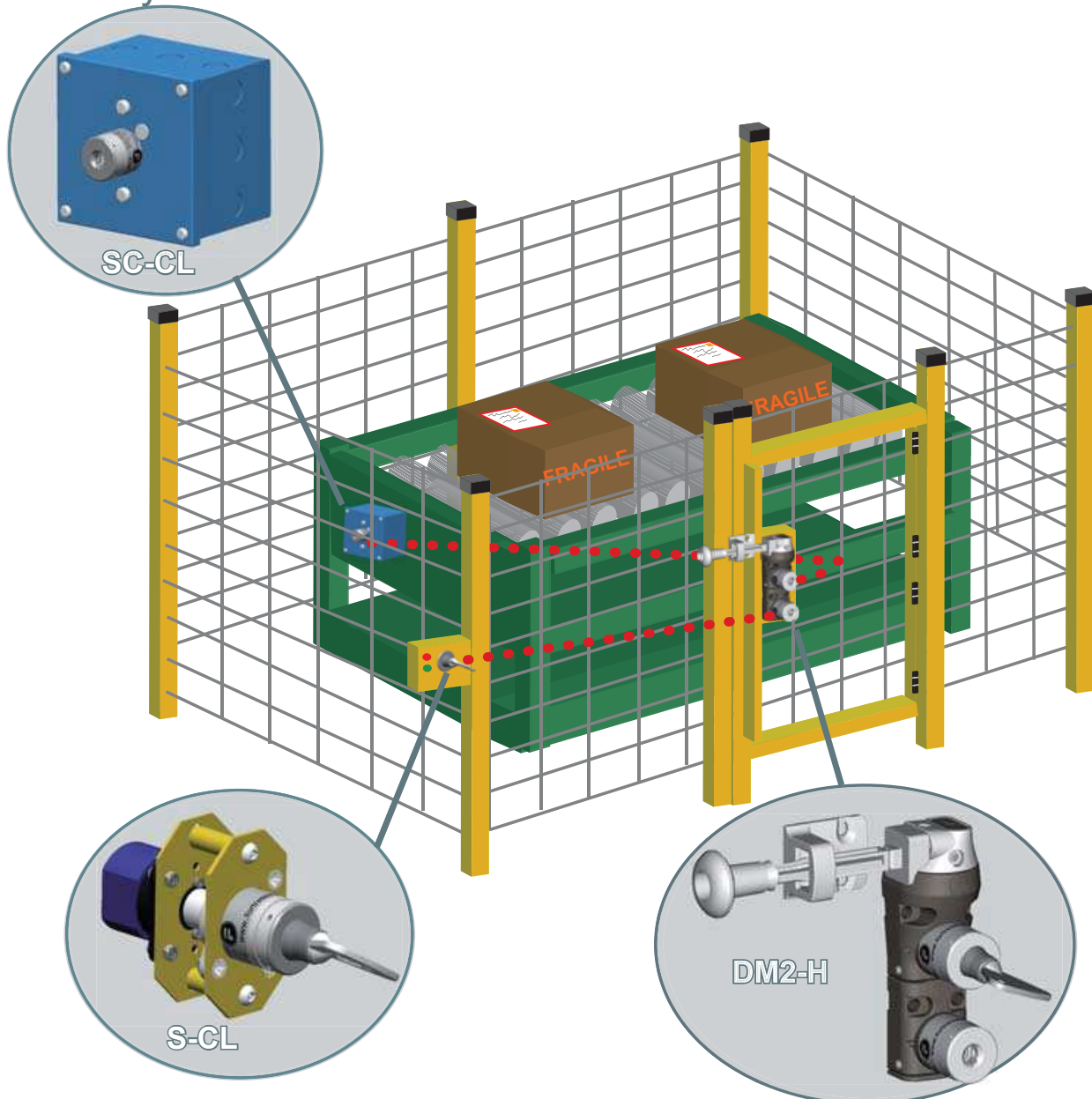
- Turn and release the key from the S in the control panel (putting the machine in a safe state).
- Insert, turn and trap the key into the DM1 door lock
- Remove the handle actuator from the door lock and gain entry into the area
- To restart the line reverse the above process

Shopping List

- S-CLIN-A02022
- DM1-CLIN-H
- CLK-SUS x 1

Wrap/Unwrap Line

Full Body Access



Sequence

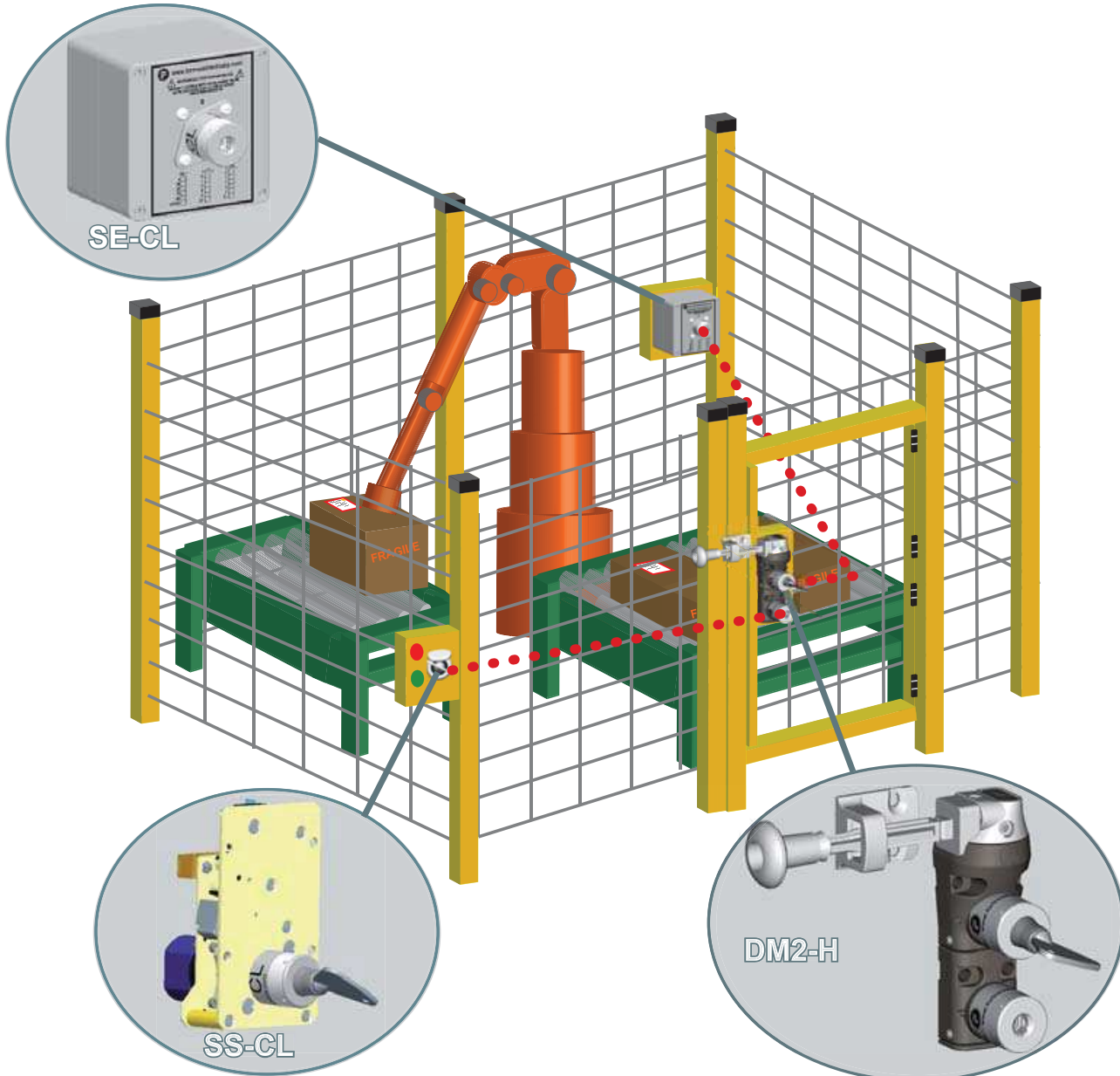
- Turn and release the key from the S in the control panel (putting the machine in a safe state).
- Insert, turn and trap the key into the DM2 door lock
- Remove the top safety key.
- Remove the handle actuator from the door lock and gain entry to the conveyor line.
- Take the top key into the guarded area and insert, turn and trap it into the surface mounted key switch (to put the machine into creep mode).
- To re-start the line reverse the above procedure.

Shopping List

- S-CLIN-A02022
- DM2-CLIN-H
- SC-CLIN-A02022
- CLK-SUS x 2

Robot Cell

Full Body Access

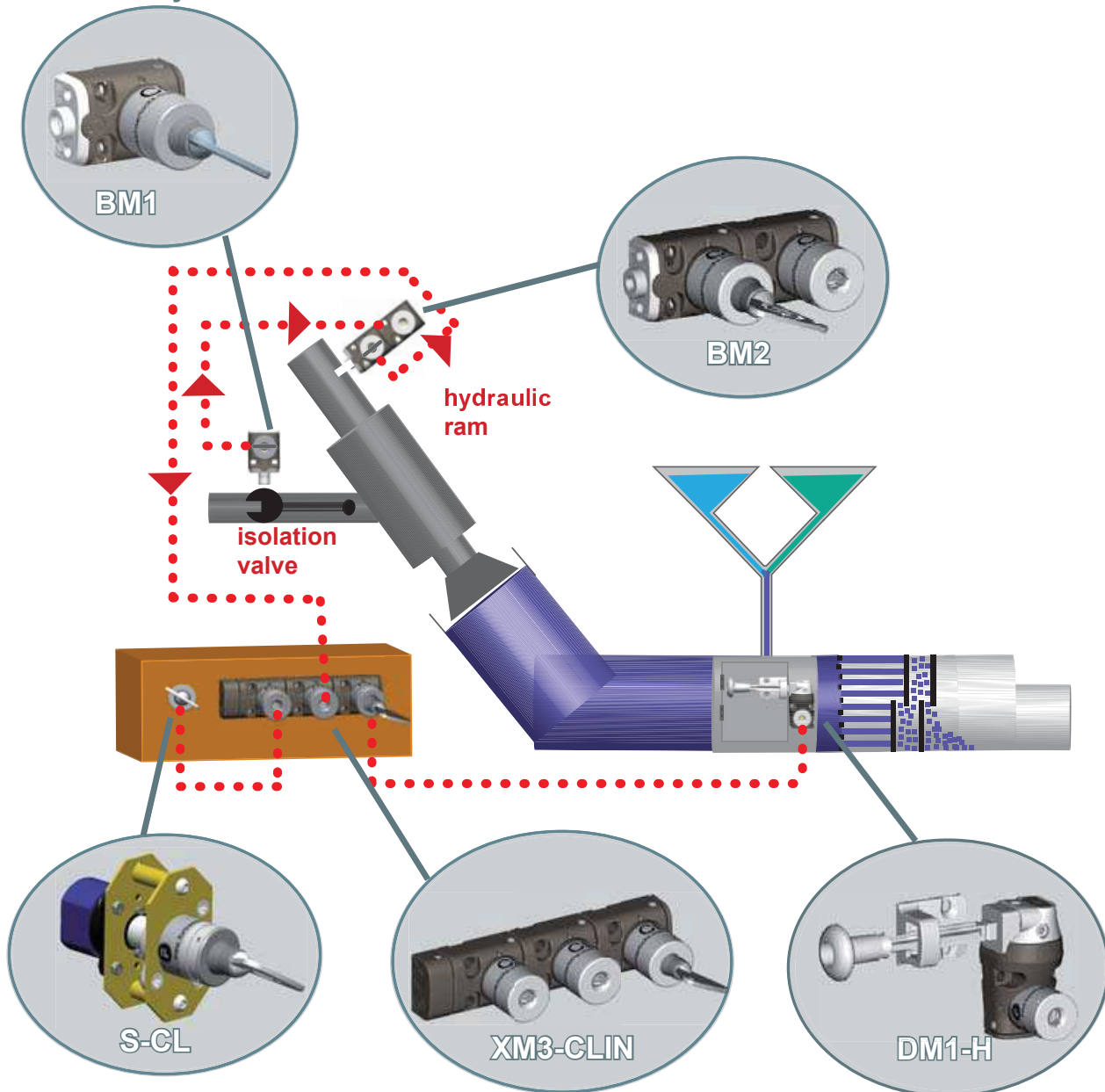


Sequence

- Request robot to come to end of cycle. When in a safe state, the solenoid (SS) is energised, this will then allow the key to be turned and removed, disabling control circuits.
- Insert, turn and trap the key into the DM2 door lock
- Remove the top safety key.
- Remove the handle actuator from the door lock and gain entry to the conveyor line.
- The released key can either be retained as a safety key or inserted, turned and trapped into the SE enabling the robot to be placed into a teach mode.
- To re-start the line reverse the above procedure.

Shopping List

- SS1-CLIN-A02022-D110-B
- DM2-CLIN-H
- SE-CLIN-A02022
- CLK-SUS x 2



Sequence

- Turn and release the key from the S unit in the control panel (putting the machine in a safe state).
- Insert turn and trap the key into the first lock in the XM3.
- Turn the isolation valve to the off position, turn and remove the key trapped in the BM1, the bolt is extended trapping the isolation valve in position.
- Take the BM1 key turn and trap into the BM2 unit. Turn and release the second key in the BM2, the bolt will extend trapping the hydraulic ram in the off position.
- Take the released key turn and trap into the second lock in the XM3. This releases the door access key which is then turned and trapped into the DM1. Remove the handle actuator from the door lock to gain entry.
- To re-start the line reverse the above sequence.

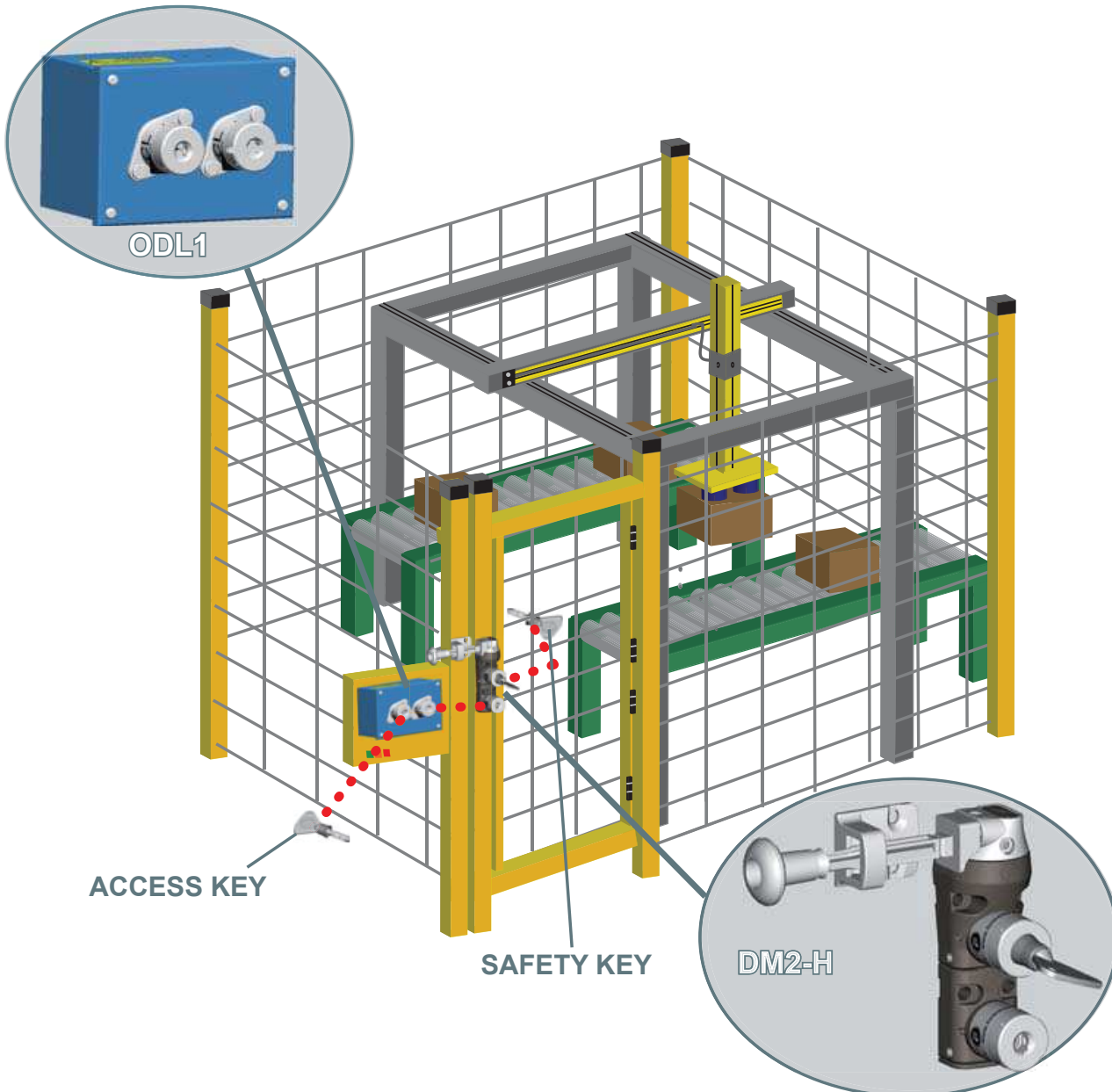
Shopping List

- BM1-CLIN
- BM2-CLIN
- S-CLIN-A02022
- XM3-CLIN
- DM1-CLIN-H
- CLK-SUS x 4

Crane Access



Single Door / Full Body Access



Sequence

- Insert turn and trap the access key into the first lock of the ODL unit this will change the state of the electrical contacts on the rear of the lock.
- The second key in the ODL unit can now be turned and removed.
- Insert turn and trap this key into the bottom lock of the DM2.
- This allows the top safety key in the DM2 to be turned and released. The handle actuator can now be removed and access into the guarded area gained. Retaining this key as a safety key ensures that the operator cannot be accidentally locked in the guarded area.
- To re-start the line reverse the above sequence.

Shopping List

ODL1-CLIN-
H1CMFA02022

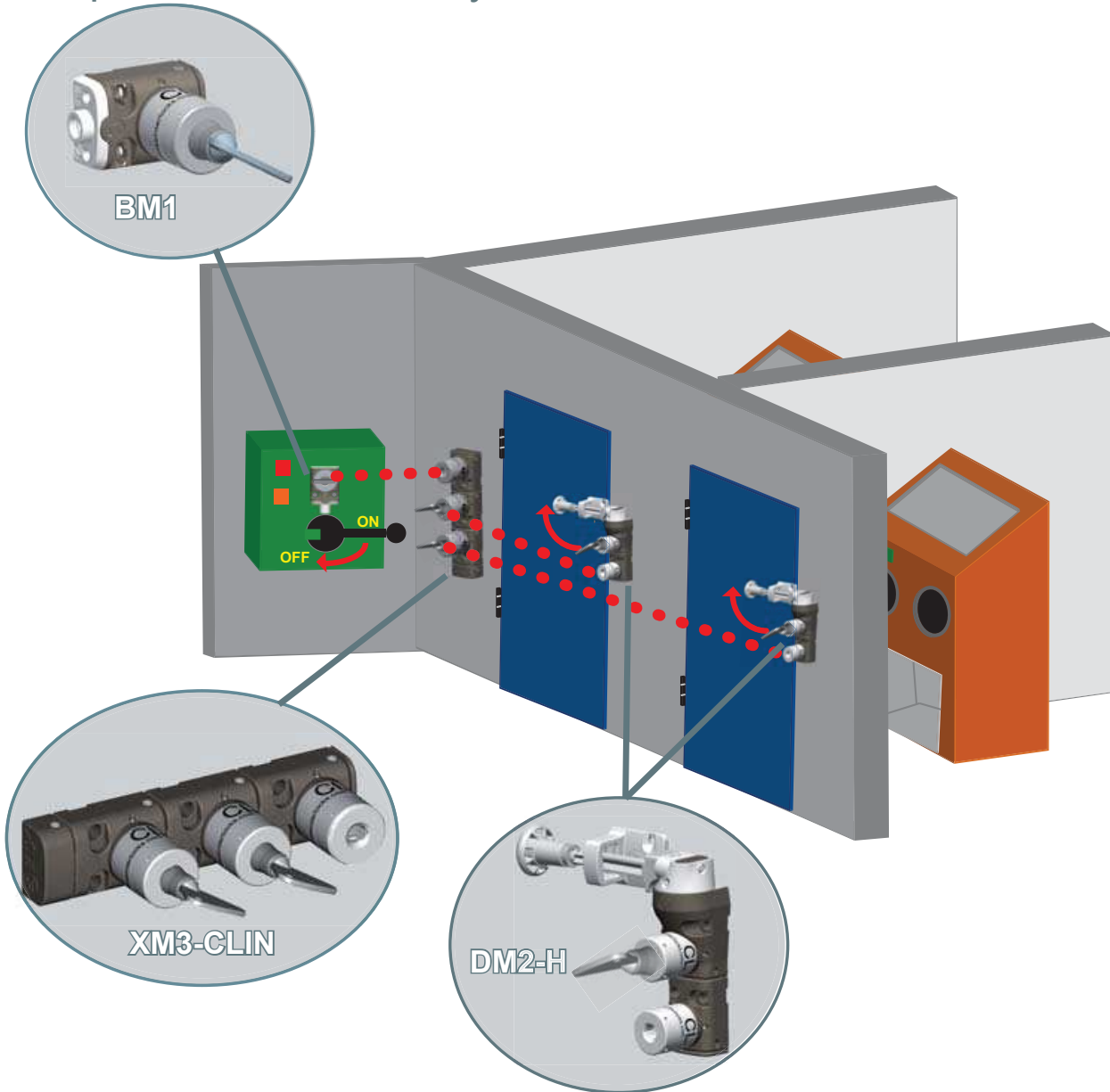
DM2-CLIN-H

CLK-SUS x 3

Shot / Sand Blaster



Multiple Doors / Full Body Access



Sequence

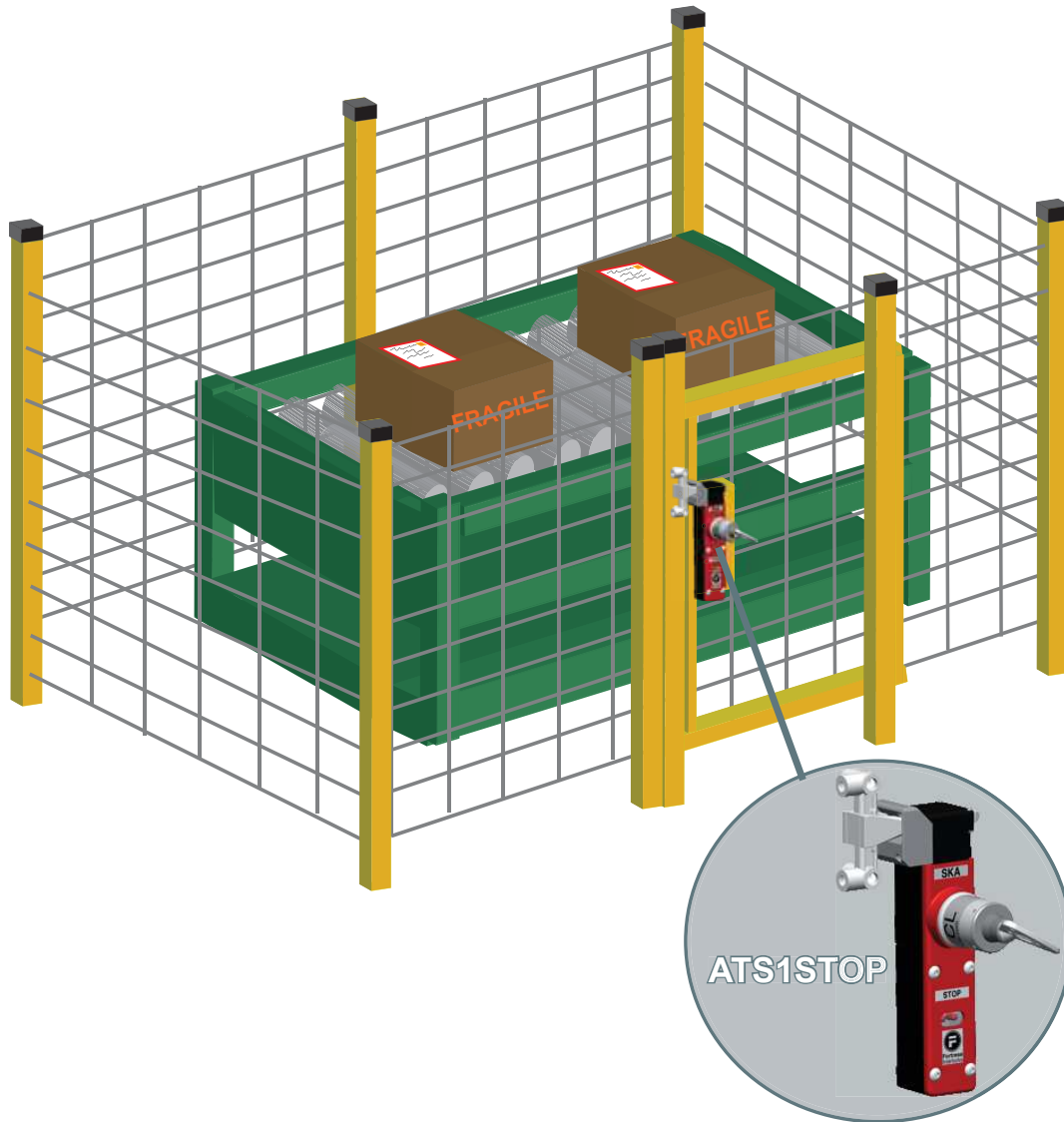
- Turn the power to the isolator to the OFF position.
- Turn and release the key from the BM door lock this will extend the bolt locking the isolator in the OFF position.
- Insert turn and trap the key into the top lock of the XM3
- This will then allow the bottom two locks to be turned and released. Insert these keys in the bottom lock of each DM2 unit.
- Remove the top safety keys from these units and take them into the guarded area, to avoid accidental lock in.
- To re-start the line reverse the above sequence.

Shopping List

- BM1-CLIN-A
- XM3-CLIN
- DM2-CLIN-H x 2
- CLK-SUS x 5

Conveyor

Full Body Access



Sequence

- Turn and remove the key from the Safety Key Adaptor (S1)
- Open the door, this will pull the tongue from the unit
- Retaining the key as a Safety Key ensures that the operator cannot be accidentally locked in the guarded area.
- To be able restart the machine the tongue must be re-located in the head and the key re-inserted into the Safety Key Adaptor.

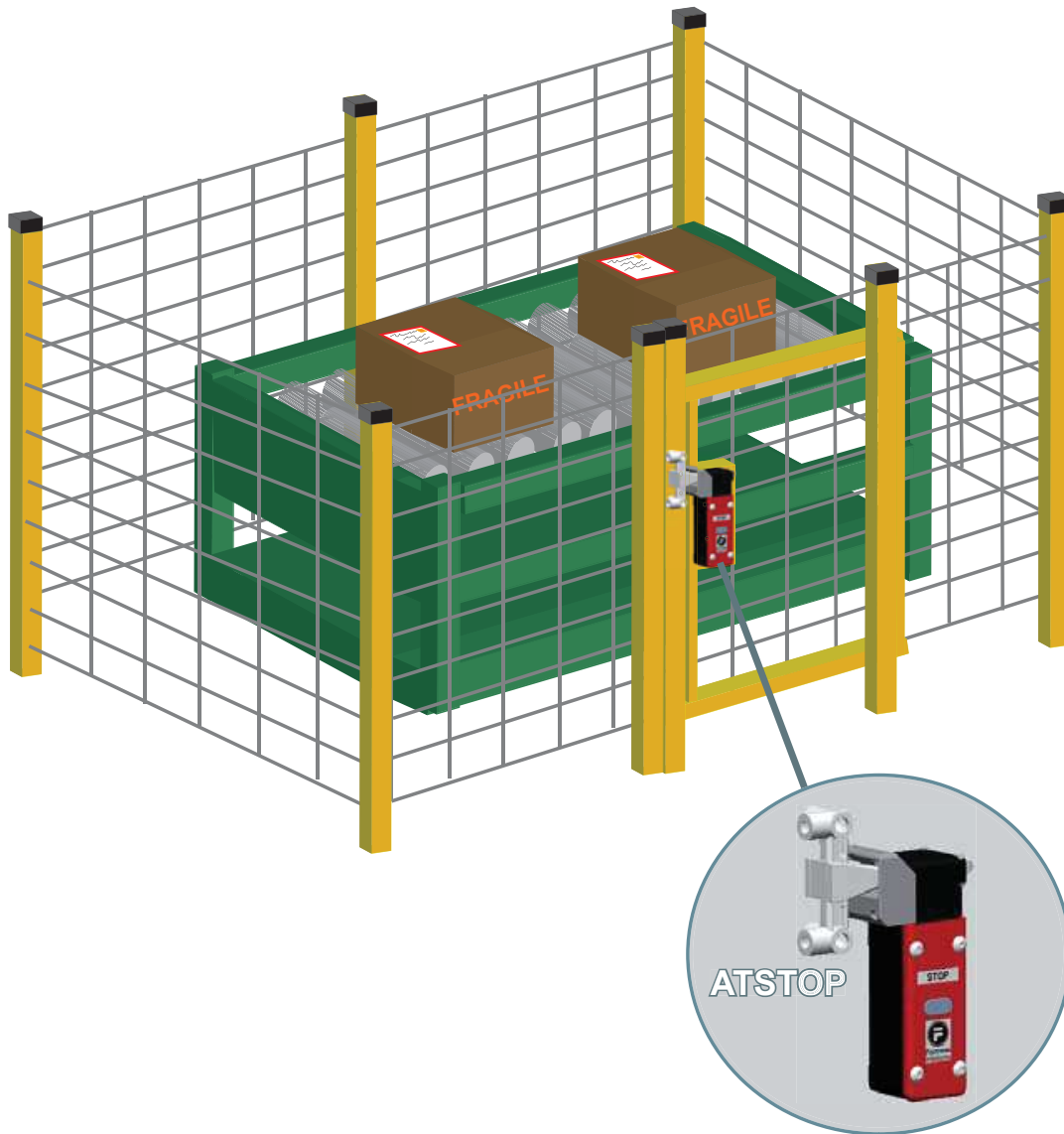
Shopping List

ATS1STOP024CLIN

CLK-SUS x 1

Conveyor

Full Body Access



Sequence

- Open the door, this will pull the tongue from the unit therefore breaking both sets of safety circuits.
- To be able to re-start the machine the tongue must be re-located in the head (door shut).

Shopping List

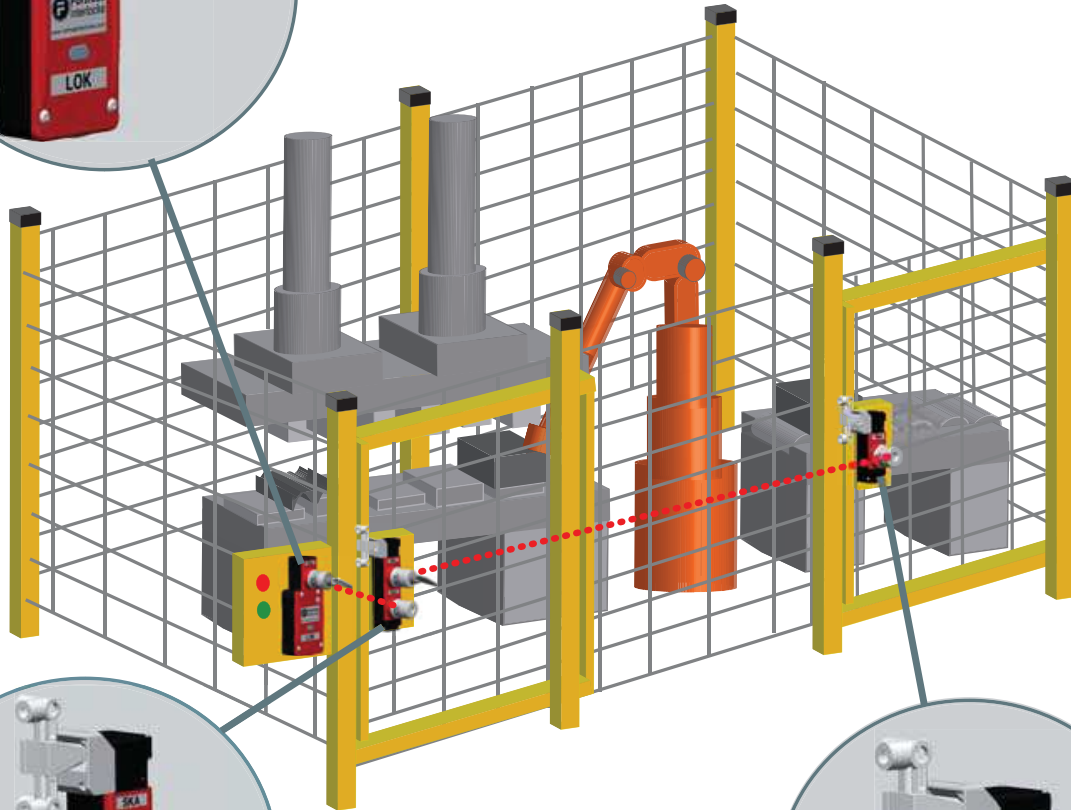
ATSTOP024

Transfer Line

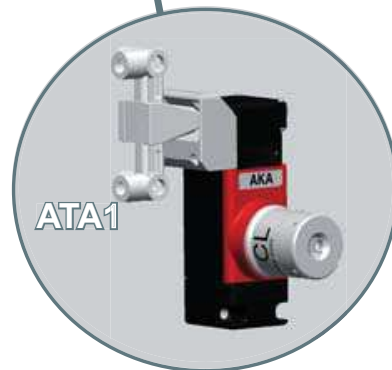
Multiple Access Points



CPS1LOK



ATS1A1



ATA1

Sequence

- When the machine is running the Access Points are locked closed.
- Request stop at the control panel
- When the machine is in the required state the solenoid will be energised in the CPS1LOK, breaking the safety circuits allowing the key to be turned and removed (breaking a second set of contacts).
- This key can then be inserted, turned and trapped into the lower portion of the ATS1A1 allowing the second access point to be opened.
- The released key can then be retained for safety or inserted, turned and trapped into the ATA1 allowing the second access point to be opened.
- To be able to restart the machine the above process must be reversed

Shopping List

CPS1LOK024024CLIN

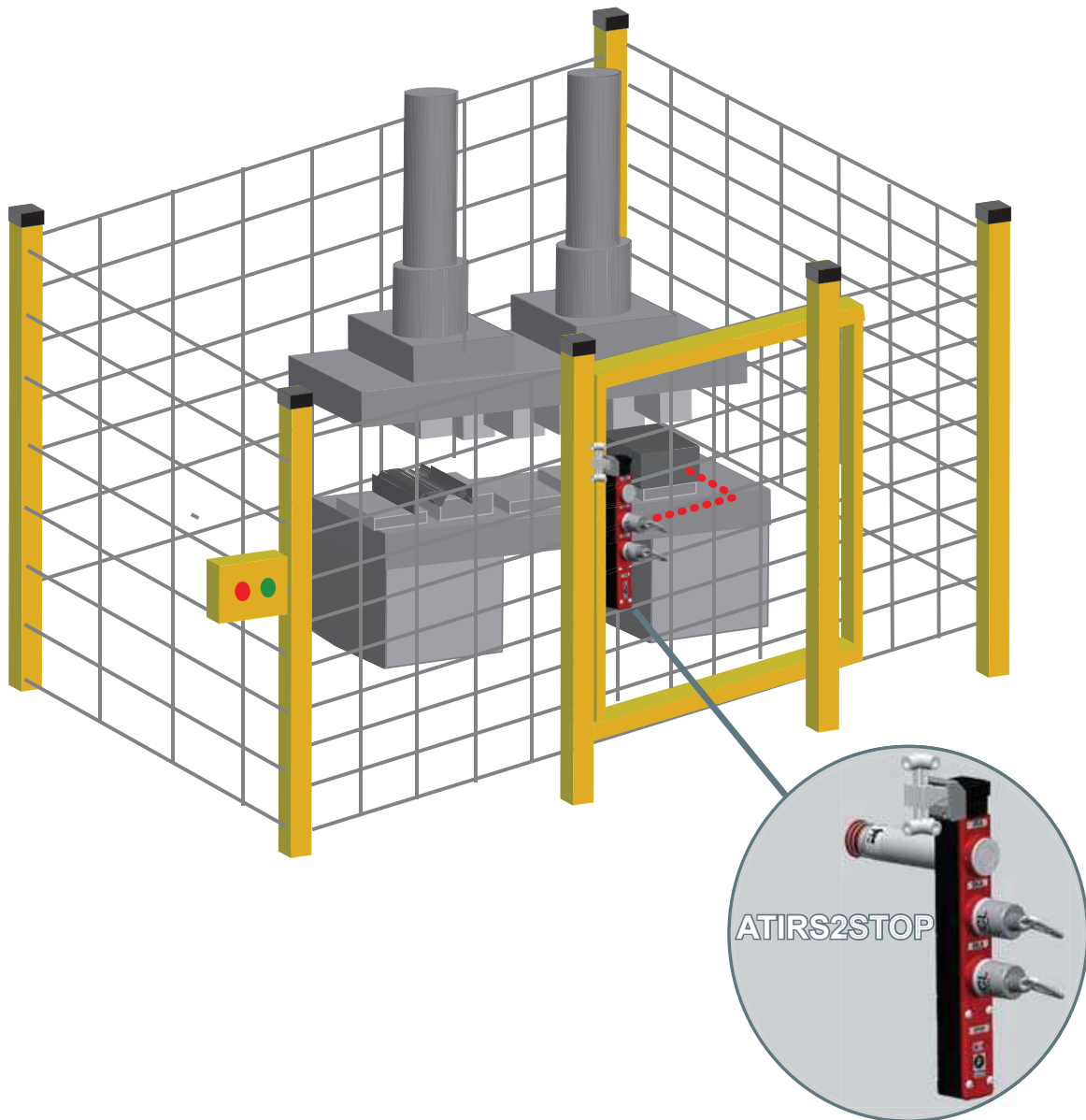
ATS1A1FOOTCLIN

ATA1FOOTCLIN

CLK-SUS x 2

Compressor

Full Body Access Internal Release



Sequence

- Remove the first safety key out of the gate switch which isolates the control power allowing the door to be opened and access gained.
- The second key can be used by a second operator ensuring that neither operator can be locked in accidentally.
- The internal release can be operated if someone inside is trapped.

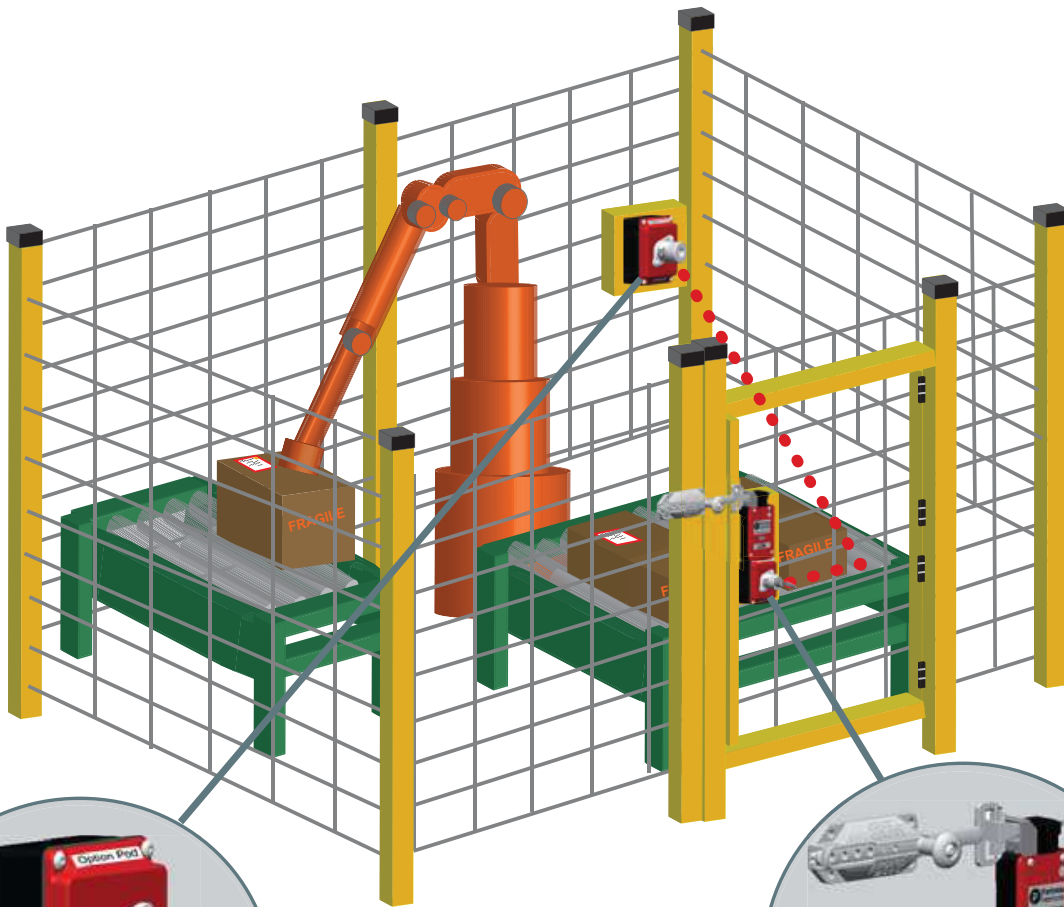
Shopping List

ATIRS2STOP024CLIN

CLK-SUS x 2

Robot Cell

Request Entry, Safety Key, Teach



PODKCLIN



SBNLOKKCLIN

Sequence

- Turn and release the key from the key switch unit at the door. This requests entry.
- When the robot reaches a programmed stop the yellow LED is illuminated.
- Open the door using the slide bar. The red LED illuminates indicating gate open.
- Retain the key as a safety key or use to activate the teach mode inside the guarded area.

Shopping List

- SBNLOK024024KCLIN
- PODKCLIN
- CLK-SUS x 1