

VOLCANO CONVEYORS NOT MOVING TROUBLESHOOTING

Step 1

Determine which conveyors are not moving:

- If only one of the two mesh conveyor (entry or exit) is not moving jump to **step 2**
- If both mesh conveyors (entry and exit) are not moving jump to **step 3**
- If only the principal stone conveyor is not moving jump to **step 4**
- If all conveyors are not moving jump to **step 5**

Step 2

If only one of the two mesh conveyor (entry or exit) is not moving → mechanical issue.

Entry and exit conveyor are serial electrically connected on the same drive speed controller drive. So, if one is not working the other will not work too.

Step 2.1

Verify that the nonmoving mesh conveyor can move freely. Pull and turn half the mesh conveyor handle to disengage. Turn the mesh by hand to be sure it can move freely. If not find where the mesh hang, clean or adjust mesh height to avoid contact with stones using push screws underneath.

Step 2.2

If only one of the two mesh conveyor (entry or exit) is not moving → mechanical issue

- If mesh move freely, remove mesh conveyor.
 - Verify that the motor shaft is rotating.
 - Verify that the T drive adapter engage the conveyor shaft
 - Verify that T drive wear and set screw tightness on motor shaft.
 - Verify that the T drive is well fix to the motor shaft. The set screw must be tightened in line with the keyway groove.
 - Verify the planetary gearbox. Unmount the motor and verify if motor shaft is rotating.

Step 2.3

If only one of the two mesh conveyor (entry or exit) is not moving → mechanical issue

- If mesh move freely, remove mesh conveyor.
 - Verify that the motor shaft is rotating.
 - Verify that the T drive adapter engage the conveyor shaft
 - Verify that T drive wear and set screw tightness on motor shaft.
 - Verify that the T drive is well fix to the motor shaft. The set screw must be tightened in line with the keyway groove.
 - Verify the planetary gearbox. Unmount the motor and verify if motor shaft is rotating.

Step 3

If both mesh conveyors (entry and exit) are not moving → Electrical issue.

- Verify breaker

Step 3.1

If both mesh conveyors (entry and exit) are not moving but principal stone conveyor is moving → Electrical issue

Step 3.1

- Verify wiring

Step 3.1

- Verify drive error

Step 3.1

Verify connector 4 pins

Step 3.1

- Verify for burn motor, if one of the 2 serially plugged

Step 4

If only the principal stone conveyor is not moving

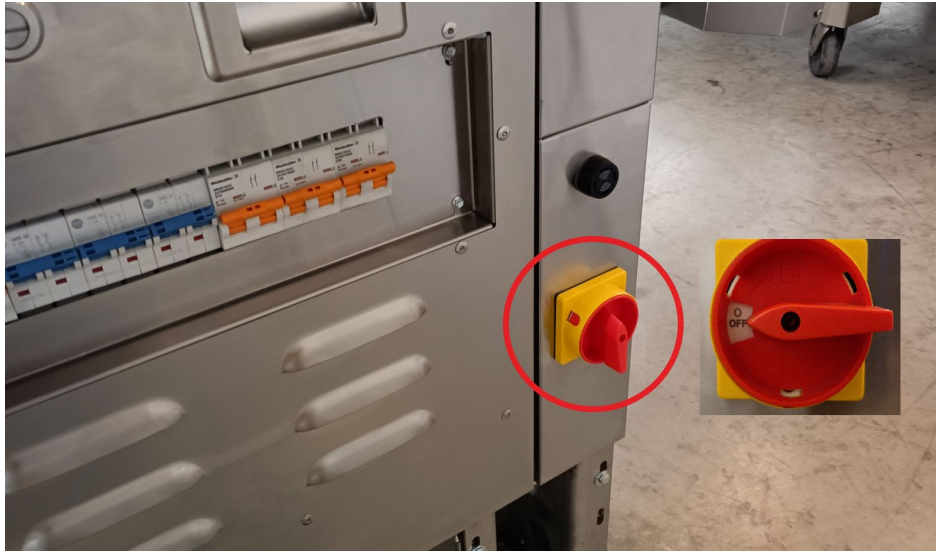
- Verify if there is something stuck. Listen to
- If any sound, verify electrical, drive error or
- Verify breaker
- Verify wiring
- Verify drive error
Verify connector 4 pins
- Verify for burn motor, if one of the 2 serially plugged

Step 5

If all conveyors are not moving verify 24 VDC power supply.

- Measure the voltage output from the power supply. If no voltage it is probably broke replace or to hot, clean your cooling fan and encure they all turn freely.
- If power supply is good, replace the control card assembly.

Step 2



Step 2



Step 10

- Close the rear panel.
- Plug and power up the oven.
- Test to be sure that everything is working properly.

