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| **STANDARD OPERATING PROCEDURE**  HOT AIR DRYER |

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| **Date** | 10-01-2020 |
| **Review** | | |
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## Purpose

The main purpose of Hot air dryers are designed to deliver heated air to a drying hopper to drive moisture of the surface of Master batch process. Hot air dryers should be as per sized to meet the specific requirements of production productivity. They are helpful in completion of Master batch process.

## Scope

## This is to intimate to all the staff of maintenance department that they are bound to follow the procedures of Hot Air Dryer. They have to follow instructions and working process of hot air dryer.

## Responsibilities

* All the Packing staff is responsible for process following.
* All the maintenance staff is responsible for process following.
* All the individuals connected to this process are bound to follow.

## Procedure

Before you start the dryer, check the following:

* Make sure that all connections are correct.
* Make sure that the air filter is in place.
* Make sure that all electrical connections are complete and the control enclosure door is closed.
* Hot air dryers feature a disconnect switch on the control cabinet. This switch must be placed ON and the ON/OFF switch placed ON to operate the dryer. When the ON/OFF switch is in the ON position, a power Heater should be on.
* Set the process air temperature controller knob to the desired temperature.
* Air Heat blower will be on when the heaters are on.
* Operation of the dryer is completely automatic requiring no further attention once the unit is running and the temperature is set.

To shut down the hot air dryer:

* Turn the ON/OFF switch to the OFF position.
* Turn the disconnect handle to the OFF position.
* Main Breaker of control panel should also stand on trip or off position.

## Associated Documents and Records

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|  | **Date: Hot Air Dryer (Packing) Dryer no:** | | | | | | | | | | | | **Reason** |
|  | **\*Pulley & Motor fitting** | Pulley Vibration |  | Belts wear & tear |  | Motor foundation |  | Main shaft vibration |  | Main shaft bearing greasing |  |  |  |
|  | **Lid Checking** | Gate locks |  | Material leakages |  |  |  |  |  |  |  |  |  |
|  | **Hot air Blower** | Blockade |  | Filters |  | Blower Motor |  | \*Blower motor bearings |  | Fan propeller & fitting |  |  |  |
|  | **SS Mesh** | Wear & tear |  | \*Nut & bolts checking |  |  |  |  |  |  |  |  |  |
|  | **Heater working** | Heating temp |  | Heater current |  | Temp. controller |  | Heater Loads |  |  |  |  |  |
|  | **Checked By** |  | | | | | | | | | | | |
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**AMENDMENT HISTORY**

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| **REV. #** | **DCR #** | **SECTION** | **AMENDED TEXT** |
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\* All changes made in the document are notified in the Amendment History Table.