



Title: Preventive Maintenance of Octagonal Blender with Powder Transfer System

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
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1.0 OBJECTIVE

- 1.1 To describe a procedure for preventive maintenance of octagonal blender with powder transfer system.

2.0 SCOPE

- 2.1 This procedure applies to the Engineering department.

3.0 RESPONSIBILITY

- 3.1 Engineering

4.0 ACCOUNTABILITY

- 4.1 Plant Head

5.0 REFERENCE (S)

- 5.1 In-house.

6.0 PROCEDURE

- 6.1 Procedure for mechanical work:

- 6.1.1 Switch off the power supply to the machine and put “under maintenance” label.
6.1.2 Check gearbox oil level and if required top up with suitable gear box oil.
6.1.3 Check the condition of spider coupling. If required replace.
6.1.4 Check and clean chains & sprockets and lubricate them.
6.1.5 Check blender body flange bolt.
6.1.6 Check the gaskets for any damage, if required replace.
6.1.7 Clean the filter of vacuum pump and filter regulator unit and top up the oil in the units if required.

- 6.2 Procedure for electrical work:

- 6.2.1 Clean the panel using compressed air.
6.2.2 Check the operation of the solenoid and limit switch.

- 6.3 Procedure for trial run:

- 6.3.1 Switch on the power supply.
6.3.2 Switch on the compressed air supply.
6.3.3 Run the machine according to SOP.
6.3.4 Check & record the observations as per Annexure-I.

- 6.4 Procedure for handover of machines:

- 6.4.1 Remove under maintenance label & affix preventive maintenance status label and inform to the concerned department

- 6.5 Frequency of preventive maintenance is monthly.



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7.0 HISTORY

7.1 Details are given below.

SOP No.	REASON FOR CHANGE	EFFECTIVE DATE

8.0 ABBREVIATIONS: The abbreviations used in the SOP are:

- 8.1 SOP - Standard Operating Procedure
- 8.2 No. - Number
- 8.3 QA - Quality Assurance



PHARMA DEVILS

ENGINEERING DEPARTMENT

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ANNEXURE-I

PREVENTIVE MAINTENANCE CHECK LIST FOR OCTAGONAL BLENDER WITH POWDER TRANSFER SYSTEM

Equipment ID No. _____

Date: _____

S.No.	Particulars	Done/Not Done	Remarks
1	Cleaning of the machine.		
2	Checking of operative units.		
3	Checking of vacuum gaskets.		
4	Checking of electrical connections.		
5	Checking of powder transfer system.		

Done by
(Sign & date)

Checked by
(Sign & date)