

# HOOSIER FEEDER™

## **Centrifugal Feeder Maintenance Guide**

Maintaining your equipment is critical to your Rotary Feeder or Centrifugal Feeder system's long-term performance. Please read below for daily, weekly, and monthly feeder system maintenance checklists, or download our Centrifugal Maintenance Tips PDF. Please contact us with any questions you may have.

### **Feeder System - Daily Checklist**

#### **Before Starting Operation\*:**

- Make sure the product is free of flanges, excess plastic, short shots, or noticeable gates.
- Check if any tools or materials are left in the equipment.
- Check that all power (utility) supplies have been turned **ON**.
- Check that air and speed settings correspond to the specified values.
- Check that product has been supplied to the prefeeder hopper.
- Check that all sensors are clean and free of smudges and/or condensation.
- Check that there is no leakage (oil, grease, water, fluids, etc.)
- Remove any dirt or debris from the output track.

#### **During Warm Up of the System\*:**

- Check if there are any abnormal noises or vibrations in the equipment.
- Wipe off any excess oil or grease after warm-up.
- Check for air leaks throughout the system.
- Run the machine slowly to check for any problems with the flow of products through the system.

#### **After the Shift is Finished\*:**

- Remove any broken parts or fragments from the bowl.
- Check that all sensors are clean and free of smudges and/or condensation.
- Check to see if the speed reducer/motors are running abnormally hot.
- Lubricate any sections of the equipment called out in the Maintenance Charts under the "Daily" interval.

### **Feeder System - Weekly Inspection Checklists**

Carry out the following inspections weekly, regardless of whether the equipment has been run or not.

- Check if all belts and chains are tensioned correctly (not too loose or too tight).
- Check if any belts (elevator, conveyor, etc.) are worn or damaged.
- Check that all safety devices are secured for safe operation (covers, guards, etc.).
- Check that if any lubrication is needed, it has been performed.
- Check that the air supply inlet filters are not clogged or dirty.
- Check that nothing has been removed from the system.
- Remove any dirt and debris from chutes, bowl rim, bowl, conveyor tracks, etc.

### **Feeder System - Monthly Inspection Checklist**

Carry out the following inspections monthly, regardless of whether the equipment has been run or not.

- Check if lubrication is needed and/or has been performed as described in the daily checklist.
- Check that all fasteners, screws, and bolts are secure and tight.
- Check that the machine drive systems are secure.
- Check that any filters have been cleaned, replaced, and are not clogged or dirty.
- Check for overall deterioration of wiring, piping, or tubing.

	Daily	Weekly	Monthly	Quarterly	Bi-Annually
<b>Safety Check Before Starting Equipment</b>					
Emergency Stop Button	X				
Safety Devices	X				
Electrical Cables	X				
Oil Leaks Under Equipment	X				
<b>Machine Cleaning</b>					
Clean Disc and Bowl with Dry Cloth	X				
Clean Any Dust From Sensor Areas	X				
<b>Inspect Feeder for Damage</b>					
Inspect Bowl For Tooling Contact That Could Cause Damages	X				
Inspect Feeder Shelves for Loose Canisters	X				
<b>Motors</b>					
Check for Noise				X	
Check the Temperature				X	
<b>Lubrication</b>					
Service the Grease Fittings			X		
<b>Chain</b>					
Check the Tension of the Chain		X			
Inspect for Abnormal Wear		X			
<b>Sprockets</b>					
Check for Wear					X
Check for Any Unusual Noise					X
Check for Elevated Temperature					X
Loosen Any Securing Elements					X
<b>Bearing</b>					
Check for Noise					X
Check for Any Debris					X
Check for Any Damage					X
Check for Any High Temperature					X
Check for Any Corrosion					X
<b>Air Clutch</b>					
Check for Signs of Excessive Wear					X
Check for Any High Temperature					X
<b>Sensors</b>					
Verify Sensor Operation	X				
Clean Dust Away From Sensors	X				
<b>Pneumatic</b>					
Check All of the Hoses for Cracks	X				
Check all Connections	X				
Check for Signs of Wear Issues	X				