



Maintenance Tips

The Following maintenance information will help to enhance the performance of the DCI equipment that is installed at your facility. It is important that maintenance inspections are done on a consistent schedule.

Note: DCI recommends that these areas be checked once a month to ensure proper running of the system.

Protector Plate

The Protector plate or wear liner is a critical part to any skirtboard sealing system. This plate should run approximately 1/4" to 3/8" from the belt to contain the majority of the material on the belt. The protector plate should be checked for wear along the bottom side of the plate and should be replaced if the space between the plate and the belt is over 3/8". It may not be necessary to replace all of the protector plate. There may be areas of higher wear that will need replaced before others.

Pos-A-Seal Skirtboard

The rubber skirting maintains a tight seal between the skirting and conveyor belt. The rubber skirting is not designed to contain heavy material on the belt, only to contain small fines and dust that may escape under the protector plate. Once the rubber has worn down and is no longer in contact with the conveyor belt or is not providing an effective seal with the belt it is time to replace it.

Blow Out Preventer BOP

The BOP creates a seal at the rear of the load chute using a box and a rubber seal. It is designed to stop any spillage or dusting from the rear of the load chute. This rubber, like the skirtboard rubber is in contact with the belt to create a seal and will eventually wear away. Once the rubber is no longer in contact with the belt or it is not providing an effective seal it is time to replace it.

Inspection Doors

DCI Inspection doors are designed to be very maintenance friendly. The rubber door seal is designed to for long life. The door latch if not sealing tight can be tightened down with the lock nut on top. If necessary the door seal can be changed also. Remove the old seal and clean any old silicone or adhesive out of the door channel. Apply a small bead of silicone or weatherstrip adhesive around the channel and install the new weatherstrip. Close the door tight and wait for the silicone or adhesive to dry completely before opening again. The door lid may be removed from the frame by opening the door and lifting the lid up off of the hinge welded to the frame. The hinge pins are rust proof brass, but may need lubricant if removed or in a heavily used area.

Centering Plates

The centering plates will need to be checked for wear and replaced as necessary.

Guidler Package

The guidlers are installed to protect against belt misalignment at the load point and are not designed to correct belt misalignment problems. The conveyor belt should be properly aligned prior to the installation of the guidler package. The guidlers, once installed should be adjusted so that there is ½" between the conveyor belt and the guidler roll. When the belt comes in contact with the guidler roll there should not be any excessive pressure. If there is too much pressure the conveyor belt will curl and work over or under the guidler. If this is the case the belt will require realignment.

PECS System Hood (Deflector)

The hood should be checked regularly for alignment and optimum adjustment for receiving the material from the conveyor belt. It should also be inspected regularly for wear and replaced or re-lined as necessary. Adjusting the hood as mentioned above may help heavy wear areas.

PECS System Spoon (Load Chute)

The spoon should be inspected regularly for wear and replaced or re-lined as necessary.

Stilling Zone

The stilling zone should be inspected regularly to ensure that all curtains are in tact and that none have been damaged or become detached. Replace damaged or worn curtains as necessary.