

Pfankuch Feeder Maintenance Schedule

PLEASE NOTE: To simplify your record keeping Fusion Concepts can provide reminder calls and emails according to your planned periodic PM schedule. Let us know what PMs you plan to do when and we will not only remind you, but we will proactively send you a proposal for parts you are likely to need. You decide if you want/need them and if so, we ship them. You know you are ready for the job when you set the time aside! Just call or email us to set up this handy service.

Daily Maintenance

Clean main feed belts:

To clean feed belts dampen a cloth with denatured alcohol and lightly place cloth against feed belts and jog machine to clean entire belt.

Note

If this is not performed then as time goes on the belts will lose their grip more rapidly and it will result in a slower feed rate.

Clean feeder:

Use a moistened clean towel to gently wipe excessive paper dust away from the feeder. Pay careful attention to wipe excess dust from the sensors.

Note

If the dust is allowed to collect on the sensors the double detect function will be impaired

Monthly Maintenance

Check the bearings:

Check the joint bearings located on the stripper wheel and upper ejector shaft for excessive dirt build up. If necessary remove shafts and clean. Apply a thin coating of general lubricant to the bearing and replace the shafts. Also check the feed belt pulley bearings. Extract the rear feed belt shaft. Slide the feed belt idler pulleys off the shaft and examine. Clean and grease the bearings if necessary using white lithium grease. If you have a horizontal delivery on your feeder there could be two needle bearings on the lower ejector shaft. Also there are two for the upper delivery belts at the exit of the delivery. The lower delivery belts rotate on an idler shaft at the exit end which has two to four needle bearings.

Note

If the bearings are not cleaned and greased regularly, any dirt caught in the bearings will contribute to higher shaft wear..

Check the lever arms:

Check the unidirectional bearings in the eccentric arms. Clean and grease with white lithium grease if imperative. Also check the lower part of the lever arm to make sure that there is no wear from the eccentric screw.

Note

If the bearings are not cleaned and greased regularly the dirt caught in the bearings will wear the shafts at a much faster rate. If the lower part of the lever arm is worn it will impair the counter shuttling rotation of the stripper wheels, creating flat spots, and degrading their ability to prevent double feeds.

Check the white nylon gears:

Check the white nylon gears for the upper and lower belt drives for excessive wear. Each tooth will wear more on one side than the other.

Note

Allowing them to wear too much creates noise.

Check main feed belts:

Check the wear on the feed belts. If they are too worn then they will not separate the products properly. They should be worn evenly. If the surface is concave or cambered, it should be replaced. This could occur if the stripper wheels were improperly setup or that the base material is stretched and worn out.

Note

On average customers replace feed belts every 3-4 months. However actual wear depends on use, and actual belt life ranges from 1 to 18 months depending on numerous factors.

Check Gear belt(s):

Check internal motor gear belts to ensure that they are not excessively worn and are still tight.

Note

On VS 2000 and VS 2002 feeders if the gear belt tensioner is not tightened properly then it will allow the gear belt to slip. This will allow the belt to wear more rapidly. On high speed servo machines the motor will oscillate and damage could occur.

Annual Maintenance

Check Shafts:

The shafts will wear over time with friction. It is best at this time to take the feeder apart and examine the feeder and to replace all worn parts. The shafts need to be examined for grooves and marring. If it is determined that the shaft is ground it needs to be replaced.

Note

If the shafts are worn and not replaced they will contribute to damage of other parts of the feeder.

For assistance call 888.661.2650

Or email

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