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Maintenance summary for Seiko based printers using the KM512 printhead



Daily instructions:

1. Ambient temperature range: 20°C-28°C. It is important that the printer is exposed to this temperature in order to acclimatize. The ink viscosity is greatly affected by the ambient temperature and could cause misfiring nozzles if not correct
2. Media loaded and fed forward in order to avoid head crashes. No buckled media may be on the horizontal surface of the printing area. Head crashes will eventually damage the surface of the printhead
3. Clean the caps with capping fluid and wiper-blade with wiper fluid. Wet the wiper sponge with 1ml (1cc) of wiper fluid. See Daily maintenance page of user manual
4. Empty the waste collection tank

Monthly instructions:

1. Report stock level of maintenance supplies to manager
2. Cleaning sheet procedure for eight hours or over night: this will remove old ink buildup, dust, fibers and also could unblock dried out nozzles. Use wiper fluid for this operation.
3. Inspect wiper blades for wear and tear and ink buildup
4. Inspect the wiper sponge: must be in good condition with no old dry ink on it. Sponge must be replaced if it shows normal wear and tear
5. Check that caps line-up with center position of printheads

Standard maintenance supplies:

1. Lint free cleaning swabs
2. Cap cleaning fluid
3. Wiper cleaning fluid
4. Latex gloves

Common causes for failure:

1. Irregular maintenance
2. Not using capping fluid for cap cleaning
3. Not using wiping fluid for wiper cleaning
4. Lint, fibers and dust on cap and wiper due to wrong cleaning equipment and maintenance
5. Cap alignment
6. Dry wiper sponge
7. Ink buildup on printhead due to above mentioned points: Must be cleaned every three months with "Cleaning sheet procedure"
8. Operators not following documented user manual instructions
9. Not using specified printhead voltages: update upon replacing a printhead
10. Wrong ambient conditions (20°C-28°C)
11. Printhead crashes will damage printhead surface. Line up media correctly and ensure media is not buckled from environmental exposure

