

Fordways Products Ltd

(incorporating FPL Service)

Quartz Plate

1. Removing the Quartz Window

- Ensure that the system has had adequate time to cool.
- Remove the cartridge.
- Remove the end cover by removing the 4 M3 screws.
- Slide out the quartz plate.

In case of difficulty please consult Fordways Products.

Use cotton gloves when handling a UV quartz window. Do not touch the window with skin, this can cause permanent damage to the quartz. Clean quartz on both sides with the alcohol wipe before re-installing into the lamp head

Reinstallation is the reverse of the removal process.

2. Cleaning the Quartz Plate

All the UV light for reacting the ink is transmitted through the quartz plate, and any contamination of the plate may reduce the effective UV.

From time to time it is possible for the plate to become contaminated with ink mist or particles from the substrates, which become very hard cured and baked on. Cleaning of the plate can be effected as follows:

The surface of the quartz is very hard and will not scratch easily, however it should be handled with care to avoid damage.

- remove the quartz plate from the lamp head,
- cured on UV ink can be removed using a solvent like Acetone to soften the cured ink chemistry. (Gloves should be worn when handling either of these solvents and all relevant safety and handling data observed). It may take some short time for the solvents to effectively soften the inks,
- once all deposits have been removed wipe the quartz plate clean with a lint-free cloth lightly moistened with the cleaning solvent and polish with a dry lint-free cloth to ensure no smearing or residue is left on the quartz surface,
- if the quartz plate is becoming opaque (devitrification), damaged, or no longer able to be cleaned, it should be replaced.