VELOPEX AUTOMATIC X-RAY FILM PROCESSORS
MAINTENANCE & CLEANING INSTRUCTIONS

EXTRA-X MODEL

DAILY:

• Before you switch on the machine OPEN THE LID, and CHECK THE LIQUID LEVELS. All the tanks should be AS FULL AS POSSIBLE. If they require topping up, do so now. The easiest method of topping up the machine is to use two disposal syringes. Mark one with an "F" to be used to top up the Fixer Solution, and mark one with a "D" to be used to top up the Developer Solution. Simply draw off the required amount direct from the bottle, and inject it into the Tank.

PLEASE NOTE: For best results ONLY USE VELOPEX CHEMICALS. The use of any other chemistry during the first 12 months of machine use (the Guarantee period) could void the warranty. Please remember that the VELOPEX CHEMICALS are manufactured by the same people that make the film processor, so it is designed to bring you the best possible results. It is also PRE-MIXED for your easy use. There is no mixing of chemicals required.

WEEKLY:

• Once a week you should clean the Modules. This task revolves the following steps:

• TURN OFF THE MACHINE at the switch and remove the plug from the back.

• REMOVE THE LID from the machine.

• Place an unfolded paper towel over the Fixer Module and tank. This is to prevent any drips from the developer landing in the Fixer, and thus contaminating it.

• GENTLY lift out the DEVELOPER Module and hold it at an angle. Allow it to drip and drain back into the Developer Tank. When it stops dripping, place a paper towel under the corner, and carry it across to the sink.

• Place the Module in the CLEAN sink. Turn the tap on and set it to allow water as hot as your hands can take to rim freely all over the Module.

• DO NOT USE any DETERGENTS (or other non-recommended cleaning agents) to clean the Modules.

• Use the CLEANING BRUSH provided to scrub the ENTIRE Module. Ensure the webbing area and the cog areas are cleaned thoroughly.

• Use the MODULE TURNING TOOL (as provided) to rotate the module and cogs during cleaning. This will allow you to access the cog areas easily. It is important to clean this area thoroughly.

• When the Module has been cleaned place it on a dry area of the sink and allow it to drip dry.

• REPEAT the above process with all of the other Modules (including the Dryer). REMEMBER to place a paper towel over the Developer Module and Tank when removing the Fixer Module. This is done to prevent any chemical cross contamination.

• Ensure the Modules to not drip back on to each other. An easy way around this is to place paper towels under each cleaned Module.

• When all the Modules have been cleaned simply place them back into the appropriate Tanks. It will cause no damage if the Modules are still a little damp when you place them back into the Tank.
MONTHLY:

- Approximately every 3 to 4 weeks you will have to change the Chemicals.

- The easiest way to ascertain when this has to be done is to load the machine with flesh chemistry, record the date and then simply wait until the chemistry "Dies" (goes off). When you know the time period involved i.e. how many days it lasted, you simply take two days off the period and then use that as your standard CHEMICAL CHANGE CYCLE. Diarise that time period so that the machine is always active, and will not let you down when you may need it most. Chemistry lasts for different periods in different locations. It has a limited life of it's own whether or not it is used, but that life period is effected by such things as Ambient Temperature, Usage etc. Once you have determined your Chemical Change Cycle, please maintain the correct cleaning protocol.

- **FIRSTLY**, please remove and clean all the Modules in the same way as the weekly clean (see WEEKLY).

- Secondly, UNSCREW THE DRAINAGE TUBE IN THE DEVELOPER TANK and drain the solutions into a waste Developer bottle or container. Clean the Tank out thoroughly with water as hot as your hands can take. Replace the Drainage Tube and fill the Tank with water.

- Repeat the drainage process for the Fixer Tank, and refill with water.

- REPLACE THE LID plug it in and turn it on. Then operate the machine for approximately ten minutes (one operating cycle). This will clean out the manifold pumps of old chemistry. Switch it off remove the plug, and take off the lid.

- **DO NOT USE** any DETERGENTS to clean the Tanks or Modules.

- DRAIN THE WATER and paper towel dry the tanks. Clean one Tank at a time.

- Refill each Tank with FRESH VELOPEX SOLUTION. Ensure each Tank is as full as you can get it. If necessary inject more chemistry into the Tank after the Module has been replaced to get the level to the top. IT IS VITAL for best results to ensure the solution levels in all Tanks are kept as full as possible.

- Refill the Water Tank with fresh water. This tank is connected to a tap, and should normally draw and waste water as it is being operated. A gentle trickle should be set.

- Replace the Cleaned Modules in the respective Cleaned Tanks.

So in brief we have the following advice:

DAILY:

- Check the Solution levels and top up if necessary.

WEEKLY:

- Clean the Modules.

MONTHLY:

- Clean the Modules.
- Drain the old chemistry.
- Clean the Tanks.
- Refill the Tanks with FRESH VELOPEX Solutions.
- Replace the Modules.

PLEASE REMEMBER:

- NEVER take the lid off the machine without turning it off and removing the plug first.
- PLEASE follow the above cleaning protocols.
- USE ONLY VELOPEX CHEMICALS.