



SPRING NEWSLETTER 2007

PHOTON IMAGING SYSTEMS LTD

PROCESSOR MAINTENANCE

Keeping your X-ray Film Processor in pristine condition reflects in the quality of the finished radiograph. Here is a general cleaning regime designed to assist in producing consistently well processed films.

WEEKLY MAINTENANCE ROUTINE

1. Lift processor lid and remove the rack cover.
2. Remove the racks of rollers and wash under a warm running tap with a J Cloth. Look out for chemical build-up especially on the springs. This should be relatively easy to remove under the warm water.
3. Replace the roller racks in the correct position (racks are usually labelled Dev, Fix and Wash). Do ensure the cogs and end of each rack are placed in the respective Boss on the drive shaft.
4. Replace rack cover if necessary.
5. Switch on processor and wait until the wash tank has filled and processor is up to temperature. Put through 'cleaner' films (probably 4 full sized films should be enough).

MONTHLY MAINTENANCE ROUTINE

1. Drain down the processor (all tanks) and carry out steps 1 & 2 as above.
2. Flush each tank through with water. Try to drain out all the loose sediment that may have formed in the bottom of each tank.
3. Close the drain taps.
4. Refill the developer and fixer tanks (do fixer tanks first). Fill both tanks to the overfill.
5. Replace the roller as in Step 3 of the weekly maintenance.
6. Add developer starter to processor dev tank only (approx 150ml)
7. Follow step 5 of Weekly Maintenance.

DARKROOM SAFELIGHTS

Is your safelight safe?

Poor image quality and overall fogging of the x-ray film can be a result of a problem with the darkroom safelight.

A safelight should:

- Have a bulb no stronger than 15W
- Have a red filter or dome
- Be a minimum of a meter from the work surface

To test the safelight:

1. Place a sheet of un-exposed film on the work surface
2. Cover half the film with a piece of card for 1 minute
3. Develop the film as normal
4. If there is fogging due to the safelight half of the film will appear grey

A safelight with a dark red filter is suitable for all film types (blue, UV and green). Also check the safelight for leakage of white light that may be due to cracks or gaps in the casing or the filter may have 'melted'.

EASTER OPENING HOURS

**Our offices will shut at 5pm on Thursday 13th April
and re-open on Tuesday 18th April**

**EMERGENCY BREAKDOWN COVER WILL BE
AVAILABLE OVER THE EASTER PERIOD**

RECONDITIONED EQUIPMENT CURRENTLY AVAILABLE

CD38S (300mA/125Kv) Mobile X-ray Unit
MX-4 (150mA/125Kv) Mobile X-ray Unit
Fuji RGII X-ray Film Processor
Agfa Curix 60 X-ray Film Processor

PLEASE CALL FOR FURTHER INFO

SPECIAL OFFER

**Wall mounted X-Ray Apron Hanger
New
£70.00 + VAT**



Unit W, The Old Brickyard, North End, Ashton Keynes, Swindon, Wilts, SN6 6QR
Telephone 01285 869869 or Fax 01285 869868 or email info@photon-imaging.com