

SCRATCH TEST PROCEDURE AND EVALUATION

**To be performed periodically on all
Processors, Cameras and Duplicators**

PROCESSORS (Desk Tops, Deep Tanks)

Performed monthly or after maintenance procedures

1. Use fresh (unused) applicable roll of rawstock film (HQ, FS, and UC).
2. Ensure all roller assemblies and surfaces are clean and moving freely
3. Ensure squeegees are in place and in operable condition
4. Change all filters before test (Dev, Fix, and Water).
5. Do not use room safe lights, load film onto processor.
6. Process film with lid off or white lights on condition (silver halide film only).
7. Inspect film test (silver halide film will have a plus density appearance) on a rewind station using reflected light source. Ensure film does not come in contact with rollers or drag across tabletop.
8. Scratches attributed to processor will appear as minus density.
9. Look for scratch frequency; short abbreviated and/or long continuous within the film width format. Inspect film edges for “fish hook” appearing scratches, which generally indicate pinched film from transport rollers. If scratches are present, address/fix problem and rerun test.

CAMERAS (Rotary, Planetary & Others)

Performed monthly or after maintenance procedures

1. Use fresh (unused) applicable roll of rawstock film (HQ, FS, and UC).
2. Clean film unit prior to test, (follow cleaning procedures)
3. Load film into film unit and secure into camera
4. Advance film (auto advance, if applicable, manual advance, if applicable) several times through film unit under normal conditions.
5. After test, remove take-up side of film and ensure not to fog film.
6. Process film in a scratch-free processor, under normal no light conditions.
7. Inspect film test, (film will have a minus density/clear appearance) on a rewind station, using reflected light source. Ensure film does not come in contact with rollers or drag across tabletop.
8. Scratches attributed to camera film unit will appear as plus density.
9. Look for scratch frequency; short abbreviated and/or long continuous within the film width format. Inspect film edges for “fish hook” appearing scratches, which generally indicate pinched film from transport rollers. If scratches are present, address/fix problem and rerun test.

DUPLICATORS (Silver, Diazo, Vesicular)

Performed monthly or after maintenance procedures

1. Use fresh (unused) applicable roll of rawstock dupe film and applicable original film.
2. Clean duplicator prior to test (follow cleaning procedures)
3. Load and thread both films onto Duplicator as normal.
4. Print a minimum of 20 feet.
5. After test, remove take-up side of film and ensure not to fog film (silver halide film only).
6. Process film in a scratch-free processor, with lid off or white lights on condition (silver halide film only).
7. Inspect film test (silver halide film will have a plus density appearance) on a rewind station using reflected light source. Ensure film does not come in contact with rollers or drag across tabletop.
8. Scratches attributed to duplicator will appear as opposite polarity to the film base.
9. Look for scratch frequency; short abbreviated and/or long continuous within the film width format. Inspect film edges for “fish hook” appearing scratches, which generally indicate pinched film from transport rollers. If scratches are present, address/fix problem and rerun test.