

MAINTENANCE PROCEDURES FOR MISOMEX EQUIPMENT

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A. Daily Cleaning Routines

1. Glass

It is important that the glass, film pick-up area and gasket of each chase are cleaned thoroughly. The best way to do so is:

- a. Use any type of liquid glass cleaner that works well on chase glass that is alcohol or vinegar based (i.e. Windex, Glass Plus, professional glass cleaner).
- b. Remove all sticky residue left from tape. Fantastic works well with sticky residue.
- c. If Fantastic is unavailable use an antistatic film cleaner. This will also assist with film static problems.

2. Room Environment

- a. Clean the room environment.
- b. Vacuum to remove dust in and around the magazines and inside the lamphood.
- c. Clean the filters on the exhaust fans.
- d. Wipe the copying table of the Misomex with a damp cloth.
- e. Check the room temperature. The temperature should be between 68-78 degrees.
- f. The cleaner the environment and machine, the less potential for problems.

B. Monthly Lubrication Procedure

1. Lead Screws:

Clean the "X" and "Y" lead screws with film cleaner. Remove ALL dirt and grease build-up thoroughly. Machines equipped with ball screws use light grease and the grease gun to grease the "X" and "Y" nuts. You will need a pointed male type of fitting on your grease gun.

- a. 20 or 30 weight motor oil is recommended for re-oiling.
- b. Cleaning and oiling may have to be done more frequently in areas that are more open or have heavy traffic.

2. **Guide Rails:**

Clean all guide rails with film cleaner. These are located on the front and back of the table and on the left and right sides of the “X” cross carriage. Re-oil the guides with a light film of oil.

3. **Magazines: (Except 405, sr-70, “Senior” Machines)**

Clean the left-hand and right-hand rails of Magazine 1 and Magazine 2 with film cleaner. Re-oil **ONLY** the two left-hand round rails with the same oil used for the carriage rails. *Leave the two right-hand guides clean and dry!*

C. Bi-Monthly Care of the Copying Table:

1. Clean the bed using a clean cloth and Fantastic or Formula 409 cleaner. These products should remove any old wax or dirt from the bed.
2. For those that use tape to hold the plate down, the excess “sticky stuff” from the tape may be removed by using Fantastic. Film cleaner will dry out the bed, therefore DO NOT use excessive amounts. A low tack drafting tape or GREEN PLASTIC MASK TAPE (available through KNA & Co.) can help prevent this problem.
3. After cleaning the bed, it must be completely wiped dry.

D. Cautions:

1. Never use any type of sharp object to clean out the vacuum channels. This will damage the bed fiber and shorten the life of the bed.
2. Be certain the Misomex room is free from any ozone producing devices such as electrostatic air cleaners used in some types of air conditioning or dust removal systems. Ozone contamination will cause the rubber blanket and chase gaskets to deteriorate abnormally.

E. Home Position Calibration

“X” home Position- Use Dylux paper. Use a negative with cross hairs.

1. Make an exposure in center of image area. Run machine back home. Flip paper to the other side. Make another exposure in same position. Images on both sides should match.
2. After home position checks out O.K., mark the home position with tape. Check home position every time before starting a new job.

F. Register Test

RECOMMENDED TO USE METAL PLATES FOR MORE RELIABLE RESULTS.

Expose the plate using the regular job program. Several film changes are recommended while shooting the plate. After the plate is done and the machine goes home, repeat the same procedure again, shooting the same plate for a second time. Process the plate. Check the results. There should not be more than 0.001” error.

G. Exposure Test

1. Use the gray scale tests. Consult consumables distributor.

2. To check exposure light consistency, manually turn on the light three (3) times using the same number of light units.
3. Check exposure time with a stopwatch. Repeat several times.
4. Set different exposure length settings. Time it again.

H. Contacting KNA & Co.

If you are still having a problem, please do not hesitate to contact KNA & Co. at 888-686-5366. If parts are needed or you are inquiring about a problem, to better assist you, please have the model type and serial number available when calling.