

Alliance HN to Alliance HNS

Change-over on Sumo Luxel F-6000 and F-9000

Before changing current film

- Output an uncalibrated grey scale (this will show to what extent the current film is being overexposed and corrected.)
This output can be used for your own reference in case it would be necessary to return to your current product.

1. Change film.

Agfa developers		ACD/ASD/G101c	
Recommended processing time		30 sec.	
Processing latitude		20 - 40 sec.	
Processing temperature		35°C or 95°F	
Developer replenishment		ml/m2	cc/sqin
Pos Work	15% exp.	100	0,06
	50% exp.	200	0,12
Neg Work	85% exp.	350	0,23

2. Basic setup

In order to obtain the recommended density, the intensity of the laser must be adjusted to match the sensitivity HNS

On the ImageMaker, this is a two-step procedure:

- basic adjustment (Laser Power Setup)
- fine tuning (Density Setup).

2.1 Set the Laser

Step one: Use the "Print exposure sweep" command in the "Output>Print Calibration menu" to run a test job.

If "Software exposure control" is supported use "set exposure" in the "Edit Page Setup dialog box" and use "Print uncalibrated target" to output a testpage.

Select the wanted resolution. You can choose to run one or more resolutions on one test job.

Step two: Measure the Laser Power test job using a densitometer

Find the test patch with a density level that is closest to wanted density. D.>4.10 and preferably select the 2nd step where the density measures the same density as the step before (for stability reasons)

Step three: Enter the number of the patch with the wanted density in the 'laser Power' dialog box in the Media menu.

Repeat this procedure for resolutions used in your production.

2.2 The density setup Setting the density also is a three-step procedure

The second part of the density adjustment is a fine-tuning of the basic setup, previously obtained by the Laser Power Setup.

The Density test job produces a test job with three patches. each with a different density level. The first time you run a density test film, the center patch is exposed with exactly the laser power value, you found by running the Laser Power Film.

By default the density level of the left patch is 5% lower than the center patch, whereas the density level of the right patch is 5% higher. When you measure the Density Test Film, the wanted density should be within the range of the +/- 5% patches.

For the HNS the 3 patches (or at least the center and right patch should read the same density (> 4.10)

Step one: Use the 'Density Test Job' command in the Media menu

Select the wanted resolution. You can select to run one or more resolutions on one test job.

Select the appropriate type of test patch. Select a solid patch for film and paper.

Step two: Measure the three patches on the Density test film, using a densitometer.

Step three: Enter the readings from the three patches in the 'Density Setup' dialog box in the Media menu.

3. Verify setting and run a linearization test wedge / if linearity shift > 2% calibrate

Detailed calibration set-up can be found in the calibration guide P.7-10 (in case of doubt contact the Film applications team)

Set-up is based on practical density.

Select correct intensity (this applies for Pos_output, Pos_readings): On the test page select the patch where

- Primary rule* Density is > **D.4.10** and 50 % patch reads > **53%**
- Secondary rule* 5% recommended to be / **3%** (for all rulings [175lpi])