

Alliance HN to Alliance HNS

Change-over on Dolev 200/400

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. How to set up the film on the Scitex Dolev**2.1 Criteria The film has to meet two requirements:**

1. It has to reach the maximum density > D. 4.20. This aspect is determined by the "Plotter settings".
2. It has to have the correct halftone gradation in order to give the desired dot size. The required linearisation is achieved by outputting the "EXCURVE" (EXPOSE CURVE).

2.1.1 Expose the basic wedge

Output a curve as control without a calibration link, to do this:

In the "library menu" choose in order of appearance

"set_up"

I/o device

Plotter formats

In "plotter formats" choose the used resolution (ex. S150r1 (= Screenfrequency 150 ,resolution 100 d/cm)

Every possible choice is preceded by a number, it's this number that should be entered

Before starting the test exposure you should deactivate the current LUT (Look Up Table of calibration) This can be done by putting, in the now opening pop-up window, the cursor in the "EXCURVE POS" field and pushing the Spacebar. When doing this the field will be emptied.

Then

"save" and "exit"

In "library" now choose :

"start work"

"grayscale" (=type lw)

"expose plotter"

fill out the "Ct name" (= corresponding to the choice in " PLOTTER FORMATS", = number of the example S150r1)

"Separations"

only "Cyan"

"Marks" "yes"

After that "submit to q", the file will now be exposed.

After exposure develop and measure the Grayscale.

3. If the maximum density does not correspond with the desired value, the laser intensity will have to be adjusted choose:

SETUP

I/O DEVICES

PLOTTER SETTINGS (1)

MACHINE (1)

TABLE (1)

RES/INT

In this menu you can enter a new Laserintensity value for each resolution you want to use.

Adjust the intensity for the particular resolution used. Note that the intensity is relative. Also, it lies between two extremes specified by the system.- Once the laser intensity has been adjusted, repeat the procedure by exposing a wedge without an Excurve.again

4 If the maximum density is correct, then the film might have to be linearised, i.e. the actual Excurve must be built up.

4.1. Creating a new Excurve:

Go to "Library "

Choose "new file"

"Table"

In filename enter a new filename (ex. AGFA HNS)

In Filetype select: 'ex (=excurve)

List/modify : Gives you a list in which the found values of the just exposed grayscale can be entered. Values 1 & 2 are automatically entered (=0 en 100%) **press "add"**

This gives you a tablelist numbered 3 to 12 , in the left table column enter the grayscale file values , in the right column enter the measured values on film. choosing Add more gives a new series of number going from 13 to 22

push CONTINUE SAVE &EXIT

In order to test the newly created Excurve you now have to expose the grayscale using it. To do this go to:

"SET_UP"

I/O DEVICE

PLOTTER FORMATS

in **PLOTTER FORMATS** choose the used resolution (number only)

In "EXCURVE POSITIVE " enter the name you just given the new file (in our ex. AGFA HNS) then:

SAVE

EXIT

START WORK GRAYSCALE

EXPOSE PLOTTER

Now the grayscale will be exposed once again , only now using the new Excurve you've just created. After developing verify and measure the grayscale once again , if the results are to your satisfaction (and that of your customer) it is advisable to remove the old LUT's for all the screenfrequencies of the tested resolution. (Ex. S150R1) ,They are recognisable by means of the same last digit they and replacing the old LUT's by the new one (e.g. AGFA HNS) This can be done as follows, choose in sequence:

SET_UP

I/O DEVICES

PLOTTER FORMAT

Choose the **FORMATS** in which the same enddigit appears (Choice made by means of the seriesnumber) and in "

EXCURVE POSITIVE "enter the new excurvename (ex.; AGFA HNS)

SAVE after every input

EXIT

After this remove the old LUT's out of all lists to do this choose:

DELETE

then choose the old LUT

DELETE

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 [175]pi)