Scitex LX850 and LX820

Import substrate presets into your system

Version 1.0

You have just downloaded the substrate presets necessary for obtaining an optimal Image Quality with your HP Scitex LX820 and/or LX820. The presets consist in two items:

- An .OMS file, containing the printing presets that need to be imported into your printer.
- An .ICC file, containing the color information that needs to be imported into your RIP.

This document shows the basic steps that need to be followed for using these two files. For more detailed information about substrate handling, check your printer's manuals at www.hp.com/go/LX850/manuals or www.hp.com/go/LX820/manuals or consult the documentation available at www.hp.com/go/LX850/media or www.hp.com/go/LX820/media.

Please check that you have the latest version of this document. It can always be downloaded here.

Step 1: Import the printing settings into the printer.

Click on **Substrate → Presets management.** This will open a browser window. Go to the **Import** label. There, search for the .OMS file that you had previously downloaded and click on **Update**.
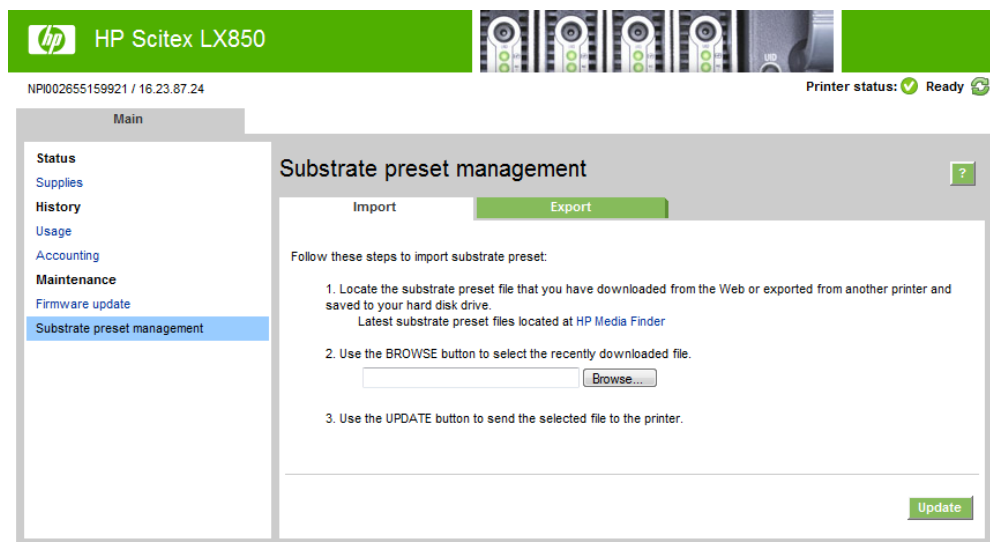
When an .OMS file is imported, the printer automatically creates a new substrate type, which is stored in the "*Custom*" category (the name of this type should match the name of the substrate). All the settings inside this new type are already specified for each print mode.

Now, you should perform a color calibration. To this purpose, click on **Substrate → Settings** and go access the **COLOR** label. There, click on *Print Plot*. The machine will automatically perform the calibration and the ink restriction values will be modified. Note that Color Calibration is not supported on substrates with non-uniform texture (such as canvas or very porous textiles) or on transparent substrates.

For more information regarding Color Calibration, check the User Guide *Add new substrate guide (section 1-Creating a new printing preset, COLOR label).*

Lastly, consult the Latex Media Finder at www.hp.com/go/latexmediafinder, to know which print mode has been optimized for the presets you have just imported in your system. Search for your substrate and click on *View*.

The print modes that have been optimized should be indicated as shown bellow.

Printer Settings

ICC Profile	ftp://ftp.hp.com/pub/softlib/software12/COL33736/pl-83994-1/HP_L65500_Avery_MPI3000-MPI2920MattePermanent_4and8p.icc
Load as:	[Self adhesive] Vinyl - Calendered - 100%
Print Mode:	8 passes unidir
Input Tension:	65N/m
Output Tension:	50N/m
Vacuum:	15mmH20
Airflow:	100%
Drying Temperature:	55°C
Curing Temperature:	95°C

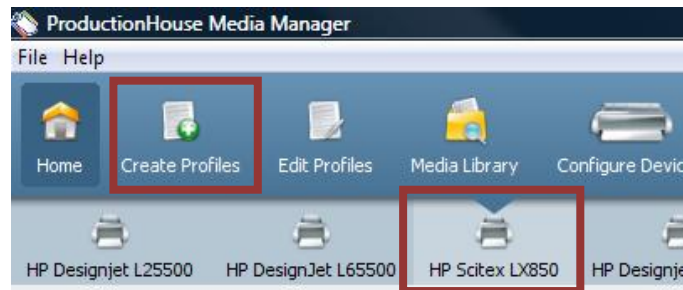## Step 2: Import the ICC profile into your RIP.

This document explains how to import ICC profiles into the following RIPs: Onyx and Caldera. For further information about RIP handling or how to import ICC profiles to other RIPs, consult your RIP vendor.
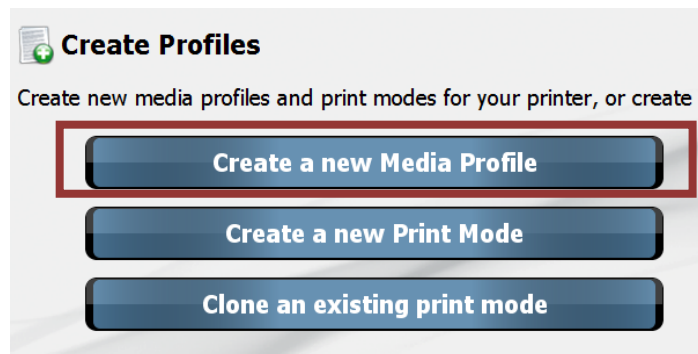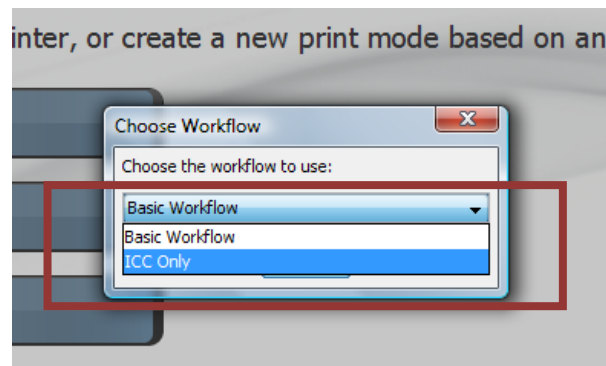
ONYX

1- Launch the Onyx Media Manager

2- In the Home menu select your printer and click on *Create Profiles*

3- Click on *Create a new Media Profile*

4- On the appearing window, select the option: *ICC Only*

- You will have to go through different steps. Jump from one step to the next one using the right arrows.

- The first one is called: ***New Media Profile.***

New Media Profile

- <u>Select the media group</u> where you want to store the profile or create a new one using

- <u>Introduce the name</u> of the new RIP profile.
  - o Hint: Use the commercial name of substrate
  - o Hint: Indicate ink density
  - o Hint: do not include number of passes

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Basic Media Profile Settings

- Click on ***Media Options.***

- On the appearing window, <u>search for the Media Type</u> whose presets you just created on the printer; its name should be preceded by the words ***[Custom Substrate]***. If it does not appear on the menu, refresh the substrate list by clicking on the green button, and search again.

  Note: if the printer and PC are not connected to the same LAN (e.g. Ethernet network) the list of available media in the RIP will not include any custom ones.

- Also, select how you would like to store the printing jobs that will be sent to the printer. HP recommends using the option *Print to default output folder*. You will be able to edit this option after the profile has been completely created.
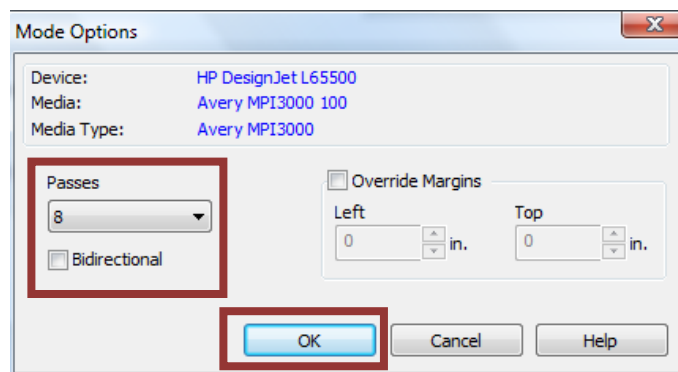- Press *Ok* when Finished.
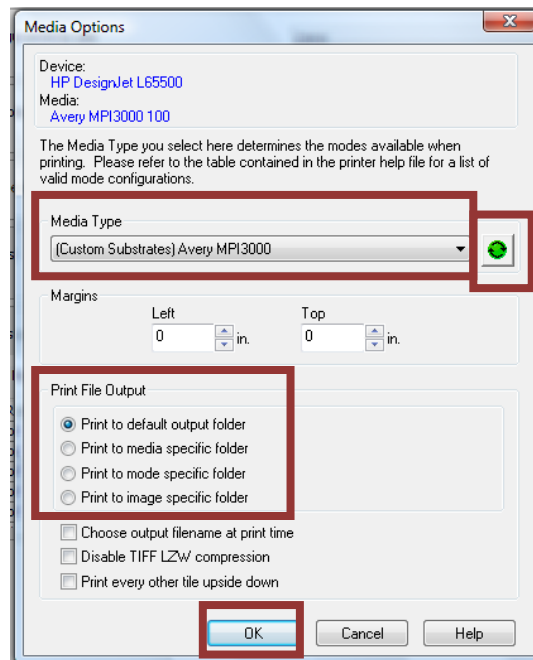
Basic Print Mode Settings

- Introduce the name of the print-mode that will be associated with that ICC profile. This parameters shoul be available in the Latex Media Finder by clicking on *View* on the correspondent substrate file.
    o Hint: Introduce number of passes
    o Hint: indicate unidirectional/bidirectional
    o Hint: do not include the name of the media or ink density

- Select printing resolution.
    o For print-modes of 4 passes or more, choose 300dpi
    o For print-modes of less than 4 passes, choose 150dpi.
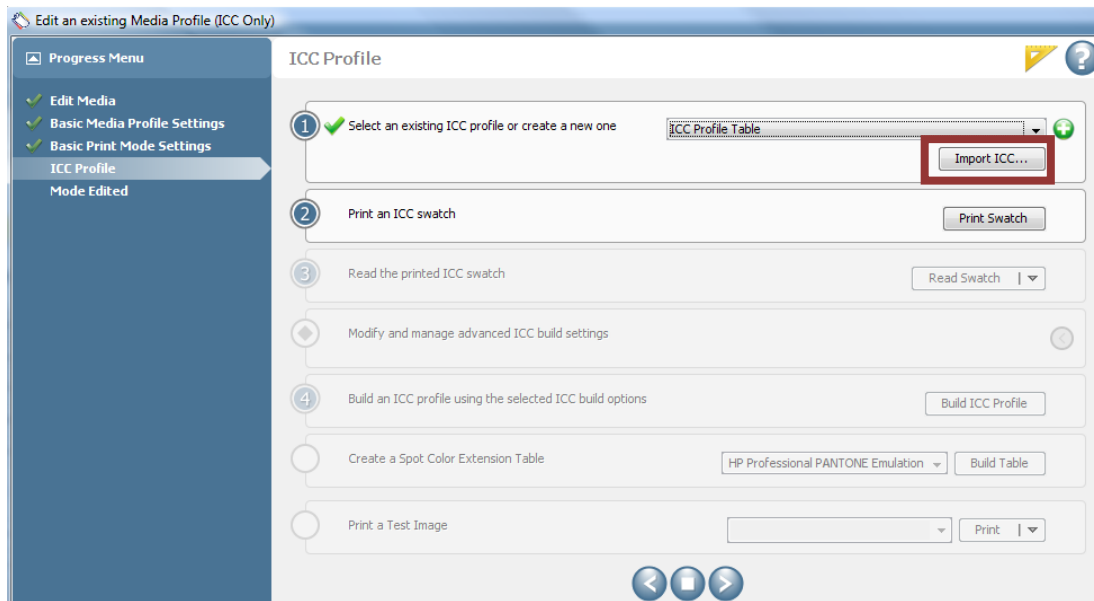
- Click on Mode Options.
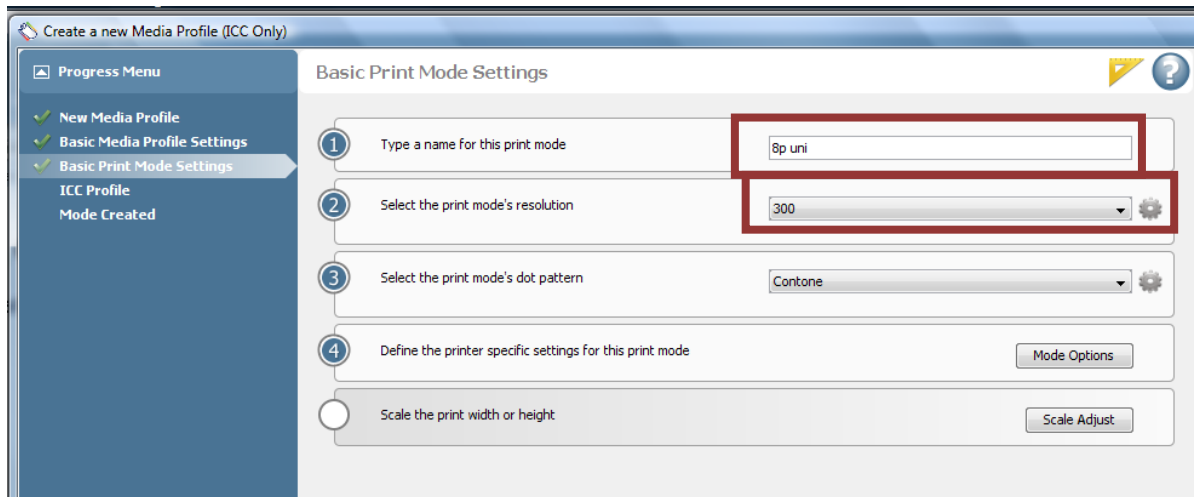
- In the appearing window, indicate the print-mode by selecting the number of passes and enabling (or not) the Bidirectional option.

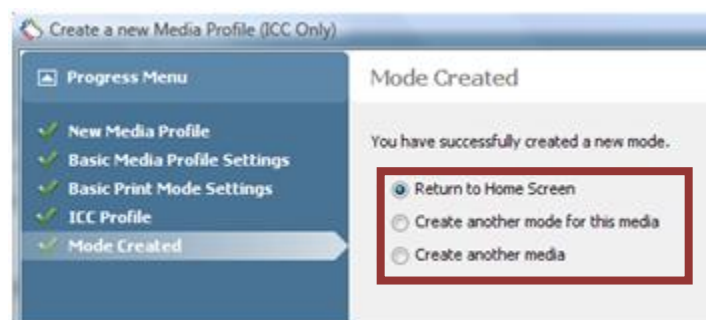- Press Ok when Finished. You will return to the **Basic Print Mode Settings** window.

ICC profile

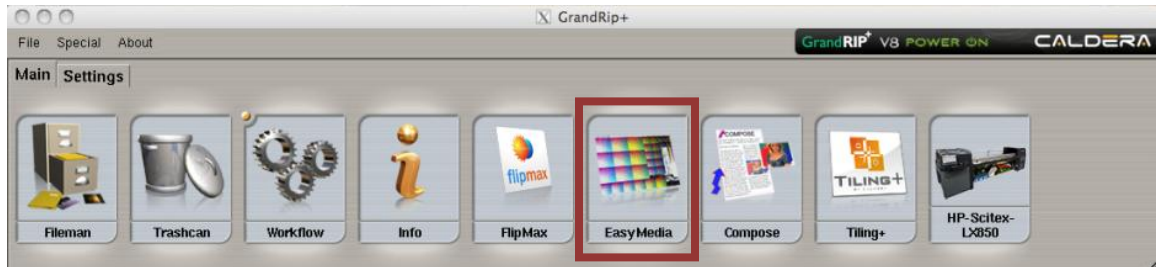- Click on Import ICC. Search the ICC profile you obtained from the Latex Media Finder and import it.

Mode Created

- Now the RIP profile has been generated.

- Select **Return to Home Screen** or repeat the operation for a diferent print mode by selecting **Create another mode for this media**.
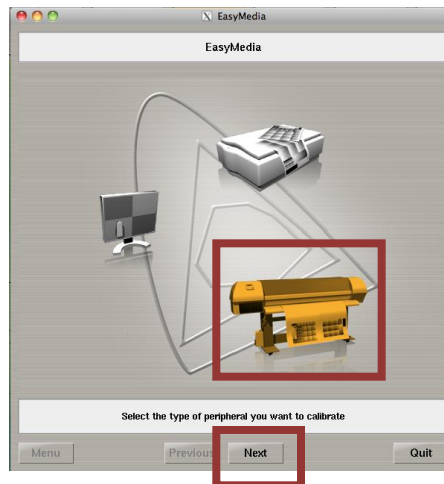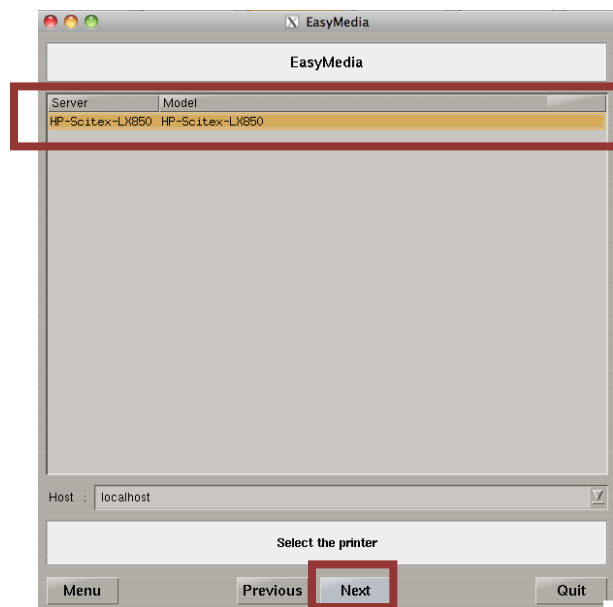
- Access the *Easy Media* tool.
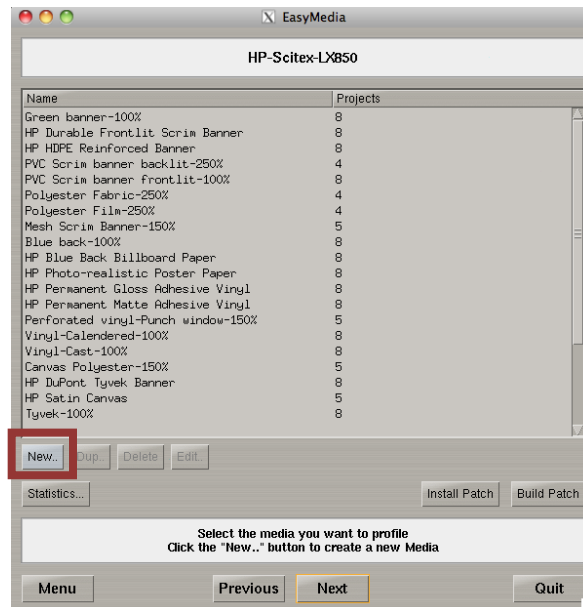

- Choose printer as the type of peripheral to calibrate and click on *Next*.
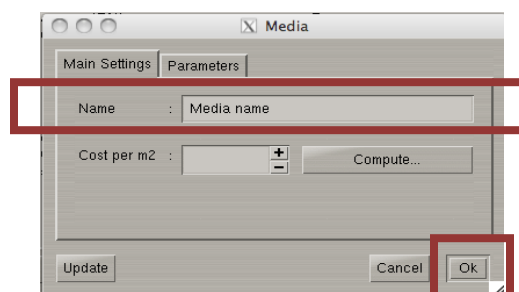

- Select your printer and click on *Next*

- Create a new media profile by clicking on **New**.

- Search for your Media Type and click on **Ok**. At this stage, you should have introduced the printing presets in the IPS. The media name should be preceded by the words **Custom Substrates**. If it does not appear on the menu, refresh the substrate list and search again.
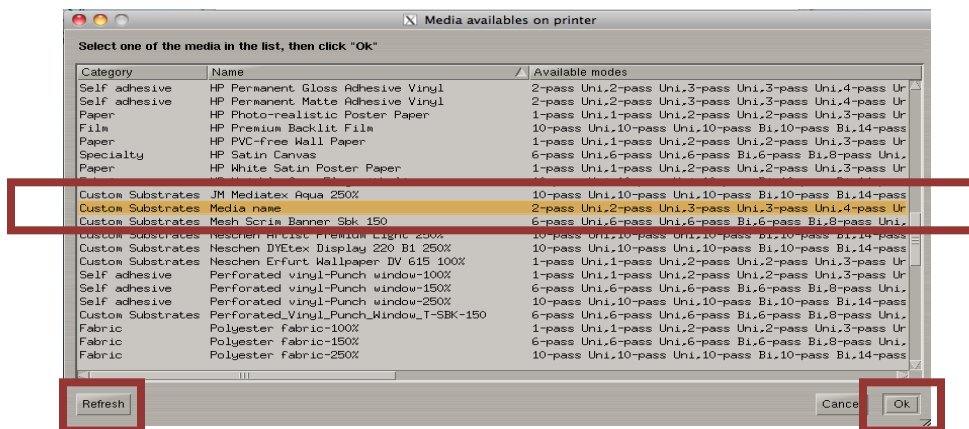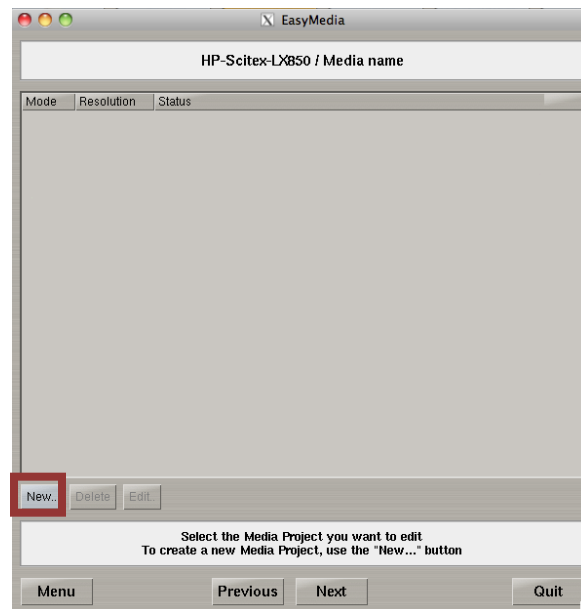

- Make sure that the name of your substrate is the correct one and click on **OK**.
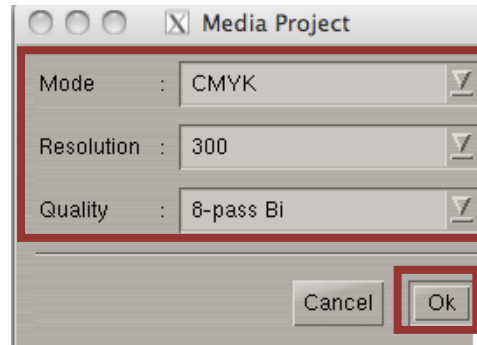
- Select the new media and click on *Next*.
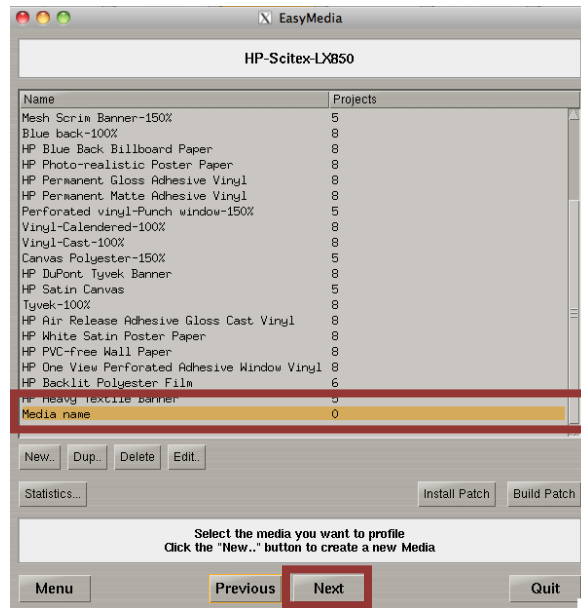
- On the appearing window create a new project by clicking on *New*.

- Introduce the print mode parameters and click **Ok**.
  - o Always chose **CMYK** mode
  - o Use 300 dpi resolution for print modes of 4 passes or more
 - o Use 150 dpi resolution for print modes of less than 4 passes

- In the project menu choose the project that you have just created and click on **Next**.
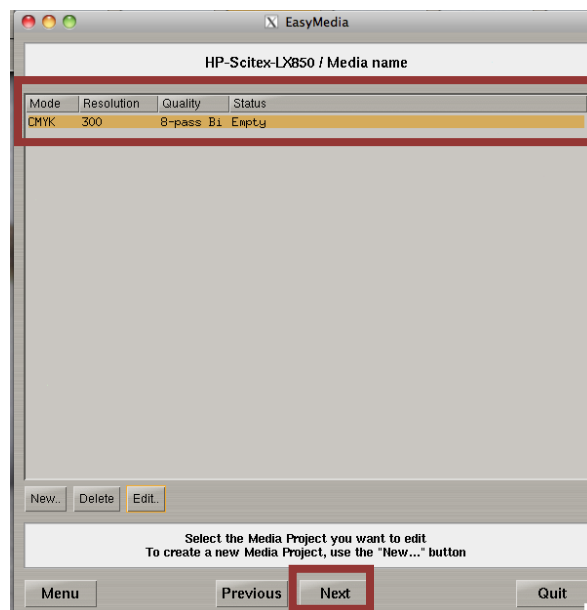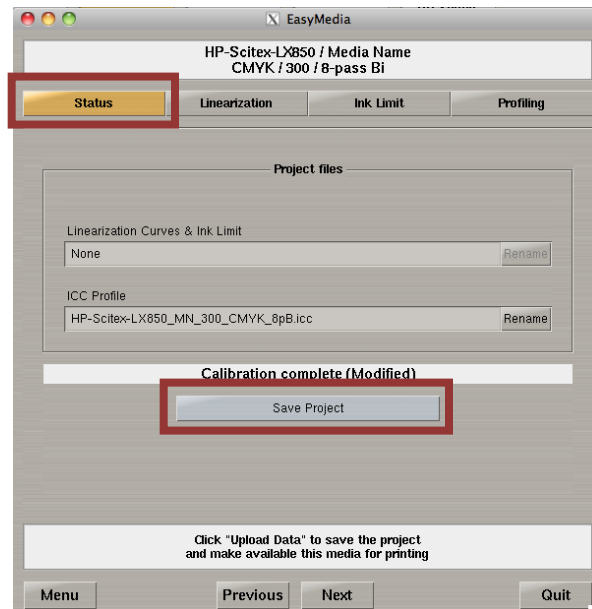
- On the appearing window click on the ***Profiling*** label.
- Mark the option: ***Load/Import an existing file*** and click on ***Next***.
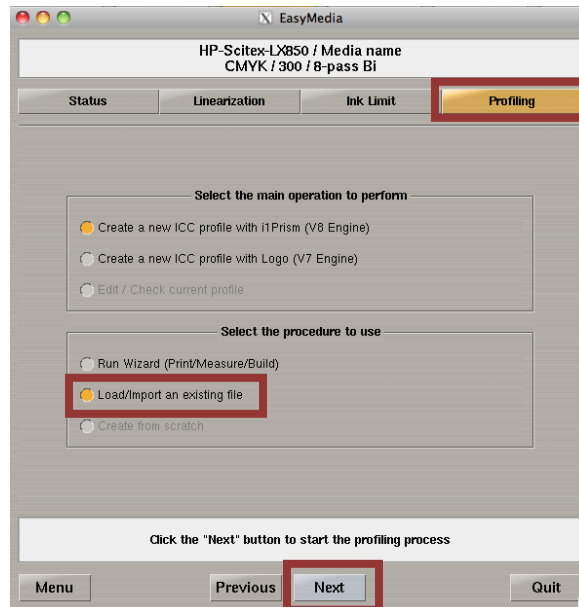
- Search the ICC profile you downloaded from the Latex Media Finder and click on next. You may need to use ***Browse***.
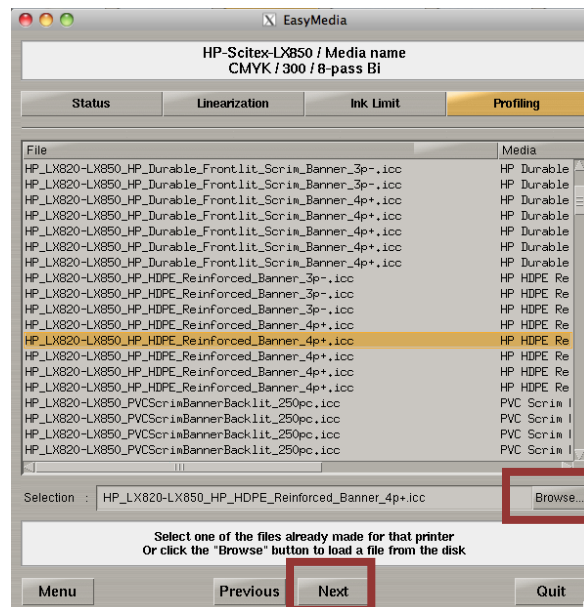
- Go back to the **Status** label and click on **Save Project**.

- The RIP profile has been created. You may repeat the process for different print modes (reusing, or not, the same ICC profile) by clicking on **Menu**; or just finish the operation by clicking on **Quit**.