When Color Quality counts…

Using the BARBIERI Spectrophotometers

Spectro Swing and Spectro LFP

with MonacoProfiler (X-Rite)

Revision 3: March 3, 2009

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Introduction

This document describes how to use the X-Rite MonacoProfiler software for printer profile creation.
The description applies to version 4.7 and 4.8 of the software.

Measurements are made off-line with the measuring software Barbieri Profile-Xpert Gateway and the resulting measurement file is then loaded/ imported into MonacoProfiler.
The Profile-Xpert Gateway software is supplied with your measuring instrument or available for free download from the following web site:
 http://www.profile-xpert.com

CMYK profiling using BARBIERI CMYK Targets

The following targets are recommended to be used for CMYK profiling:

	Description	MonacoPROFILER name
CMYK_03	corresponds to the ECI2002 Random Layout target	ECI Target, scramble patches
CMYK_08	ECI2002 target on 3 pages (9 x 9 mm patch size)	ECI Target, scramble patches
CMYK_04	corresponds to the ECI2002 Visual Layout target	ECI Target
CMYK_05	corresponds to the ANSI IT8.7/4 target	IT8.7/4 Extended, scramble patches

Use the job files supplied with the Gateway software. Data is saved in "BARBIERI" format.

Edit the supplied job files in "Advanced mode" in the Gateway software and make sure only Lab values are saved:
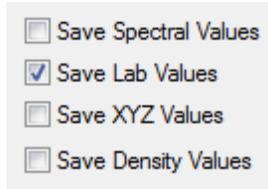
The Profile-Xpert Gateway software creates an ASCII text file with extension "*.CIE".

Proceed as follows:

- Run MonacoPROFILER and select the "Output" profiling section.
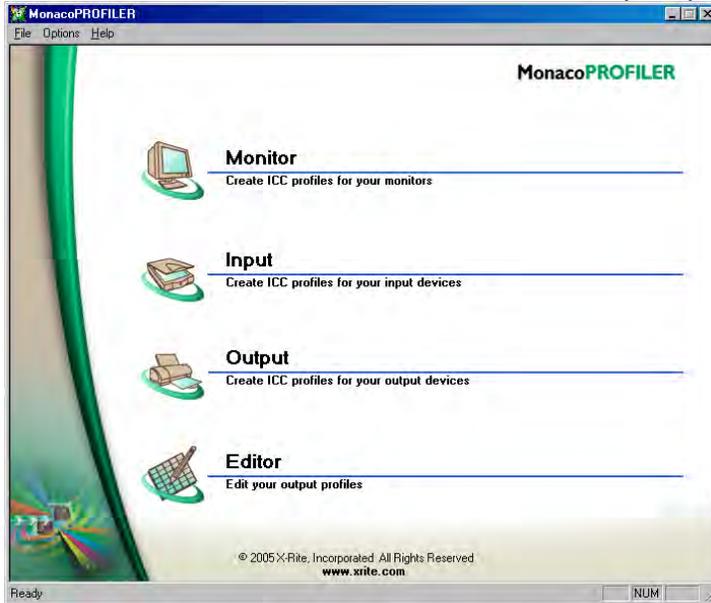
- Select "Create New Profile" of type "CMYK"
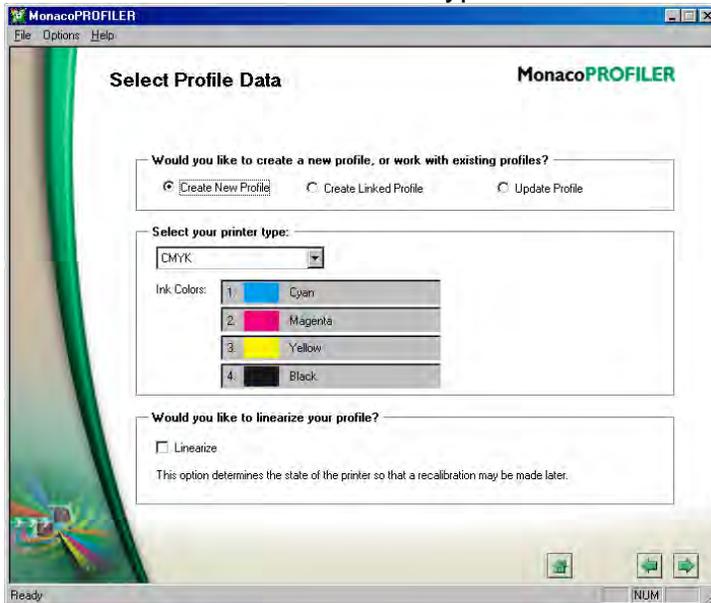
- Select the "Spectrolino" measuring device
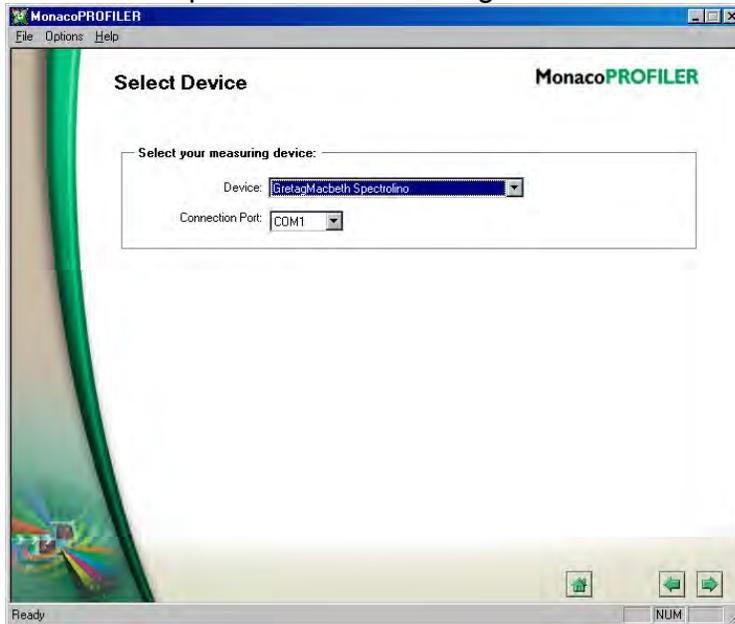
- Select your corresponding target type as described above
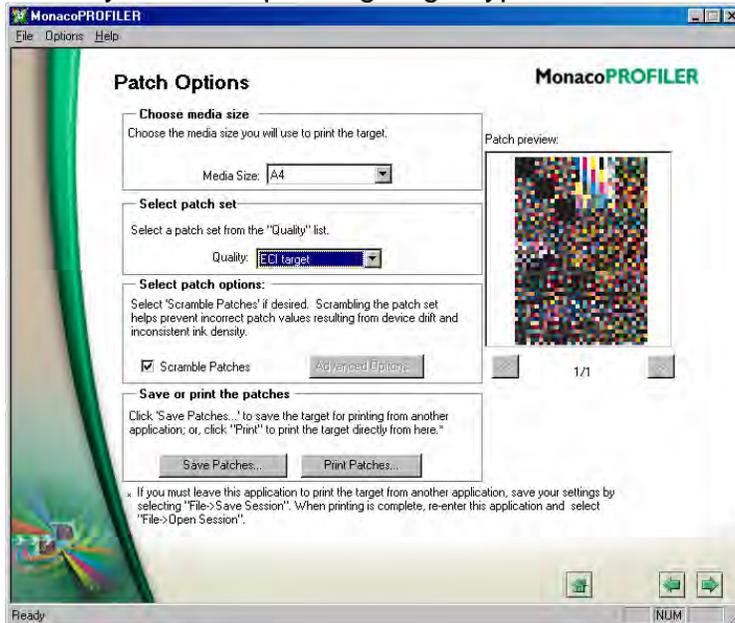
- Cancel the connection to the instrument
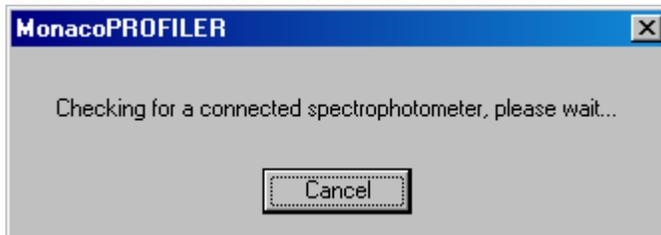
- Press "Import" button
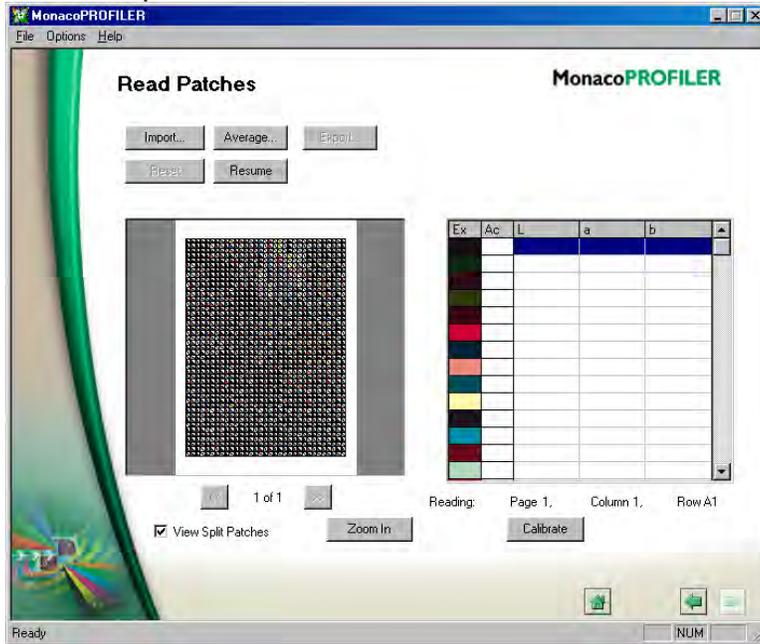
- Set "Files of type: All files" and load the ".CIE" file in the "Measurements" folder of Profile-Xpert Gateway
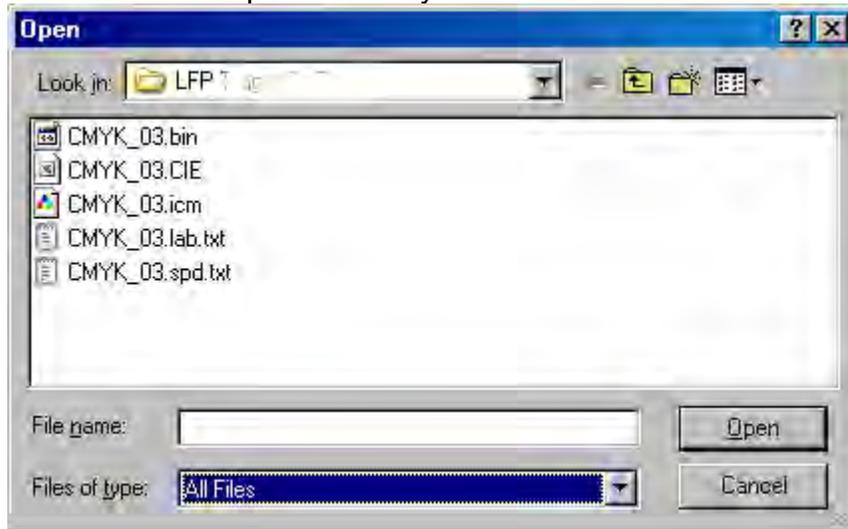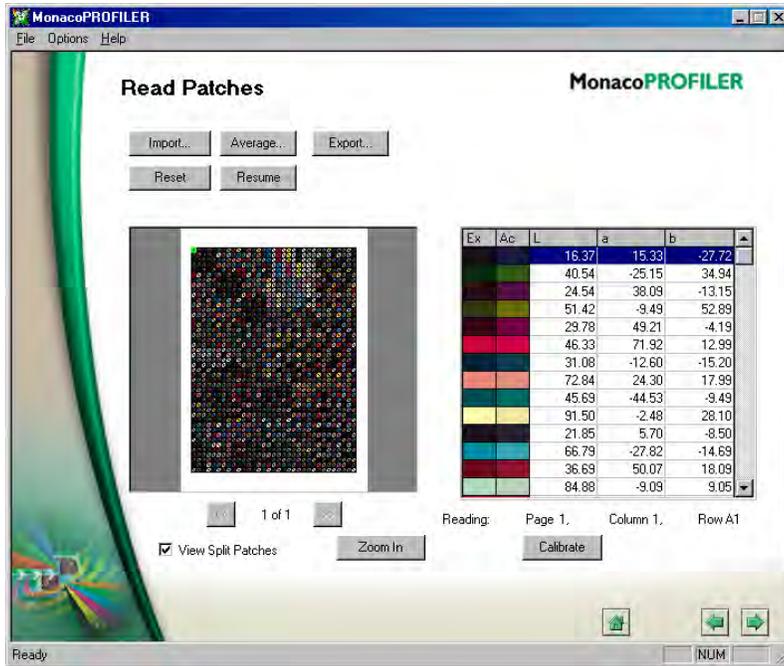
- Now proceed with profile calculation

RGB Profiling using MonacoPROFILER RGB Target

You need to use Profile-Xpert Gateway version 2.36 or newer which supports the MonacoPROFILER file format.

Print the target "MonacoPROFILER-RGB1728-scrambled.tif" available from Barbieri and use the Job "MonacoPROFILER-RGB1728-scrambled" to measure the target.
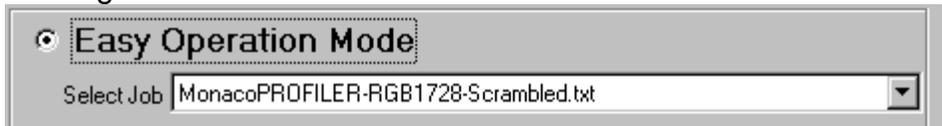
After the measurement you will have a text file with the L*a*b* values of the measurements to be imported into MonacoPROFILER.

Proceed as follows:
- Run MonacoPROFILER and select the "Output" profiling section.
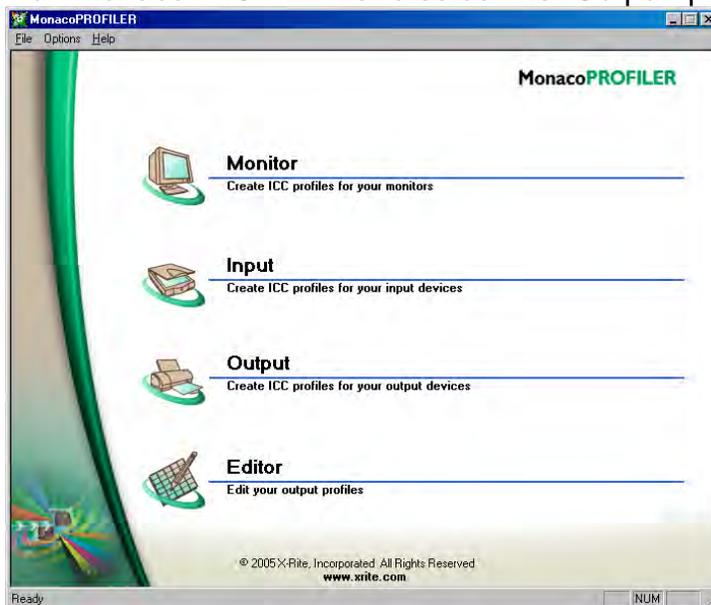
- Select "Create New Profile" of type "RGB"

- Select the "Spectrolino" measuring device

- Select Media Size A4, Quality 1727 Patches, Scrambled:

- Cancel the connection to the instrument

- Press "Import" button
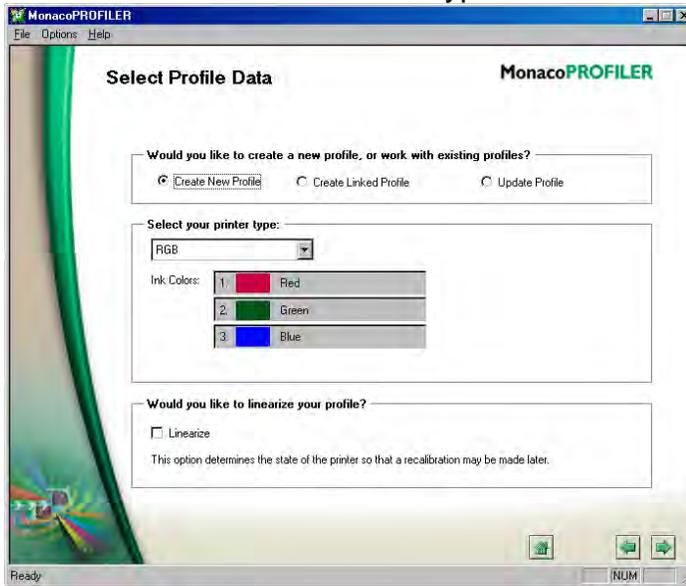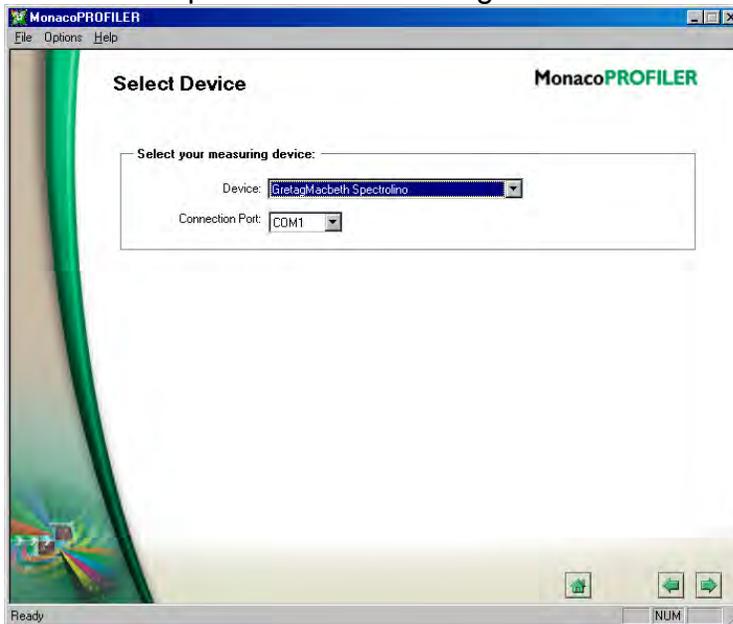
- Set "Files of type: Text file (*.txt)" and pick the measurement file created by the Gateway software and located in the "Measurements" folder of Profile-Xpert Gateway
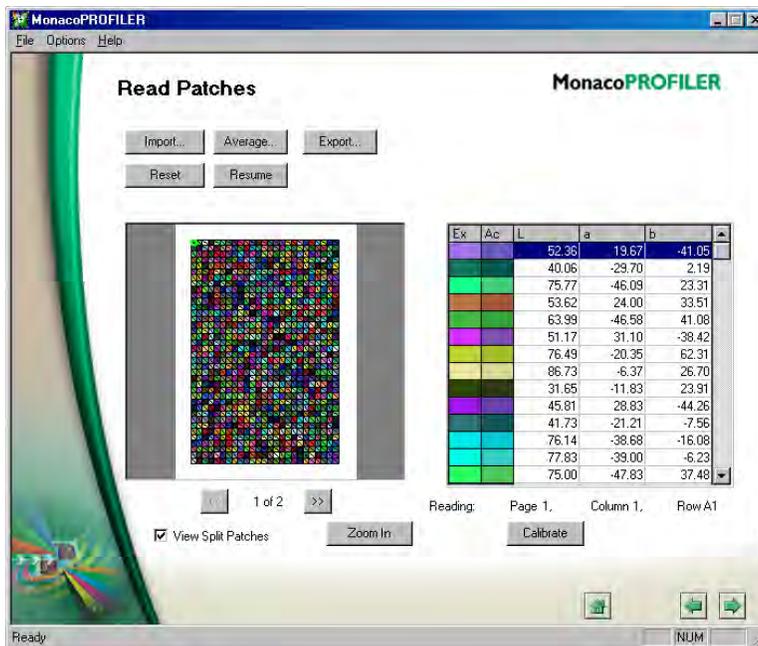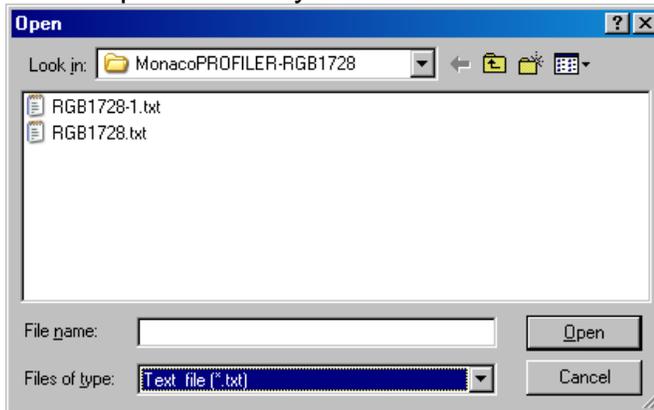
- Now proceed with profile calculation

Using targets printed from MonacoPROFILER

Targets printed from MonacoPROFILER with "Spectrolino" device selected, will be printed without the autopositioning lines which are necessary for the Barbieri device to automatically position and start measurements.
When measuring these targets, proceed as follows:

- Run the Gateway software and press "Create new Job"
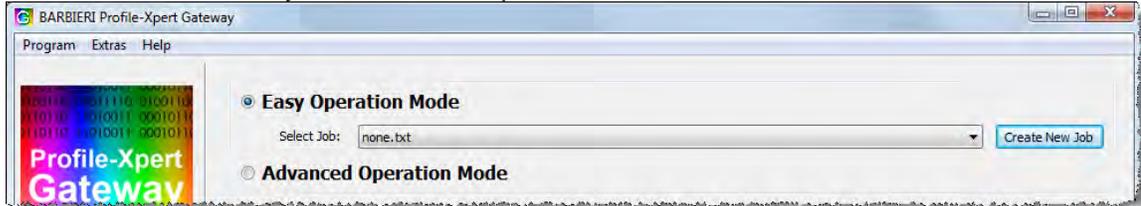
- Select Job "MonacoPROFILER-RGB1728-Scrambled.txt", insert a new name for your job and press "Create new Job"
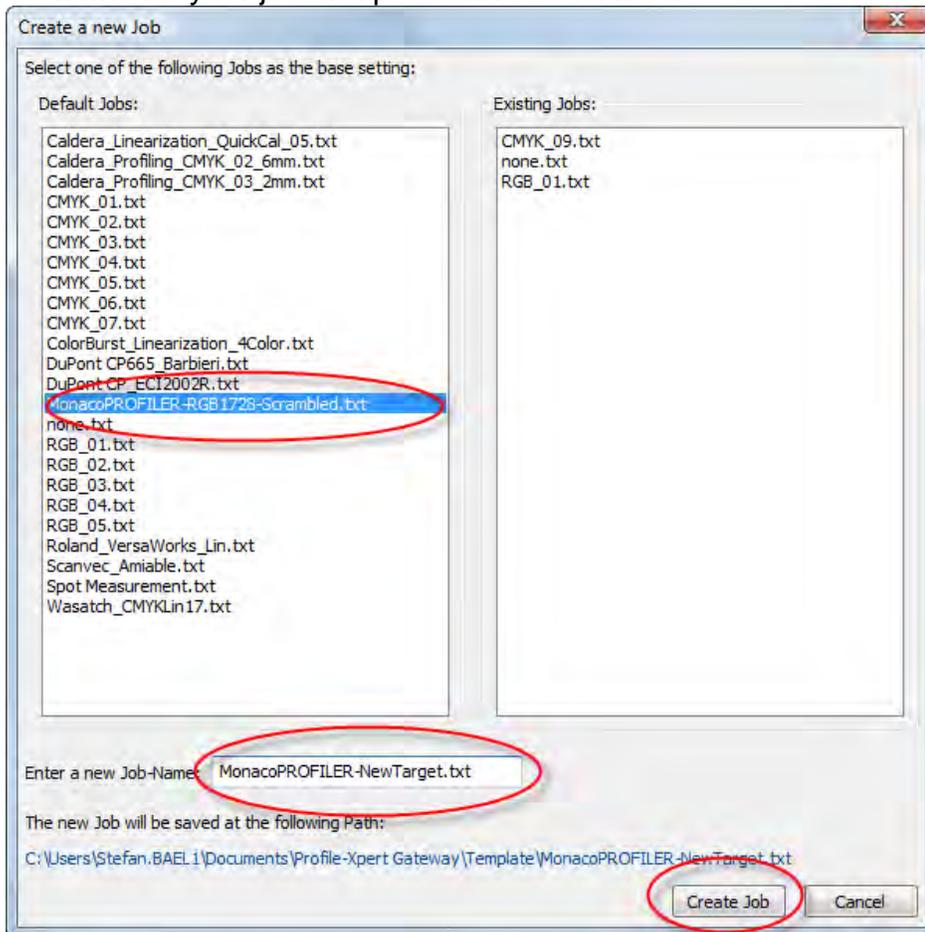
- Now click on "Advanced Mode" and press Next arrow button

- set the job parameters as required by your target by keeping the File Format "MonacoPROFILER"
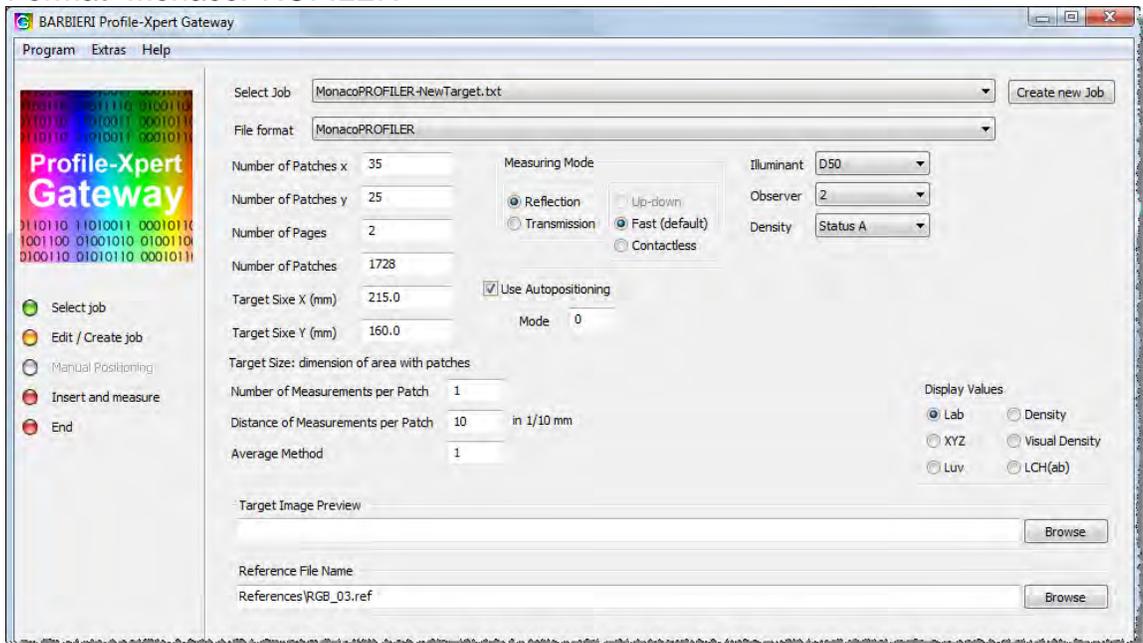
Proceed now with measurement and after finishing the measurement, import the resulting text file into MonacoPROFILER.