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Intelligent Measuring Technology
when Color Quality counts

Using the Barbieri Spectrophotometer

Spectro LFP, Spectro Swing, Spectropad

With X-Rite i1Profiler version 1

Revision 4, October 2012

Introduction

This document describes how to use the X-Rite i1Profiler software for printer profile creation. The description applies to version 1.3 of the software. Measurements are made off-line with the measuring software Barbieri Gateway version 4.2 or higher and the resulting measurement file is then loaded/ imported into i1Profiler. The Barbieri Gateway software is supplied with your measuring instrument or available for free download from the following web site:
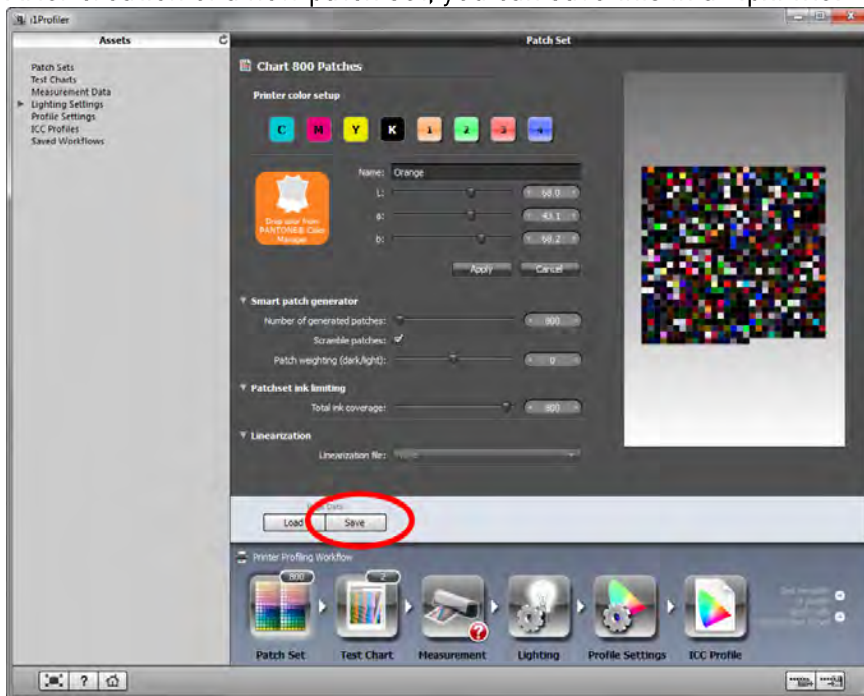http://www.barbierielectronic.com

Contents

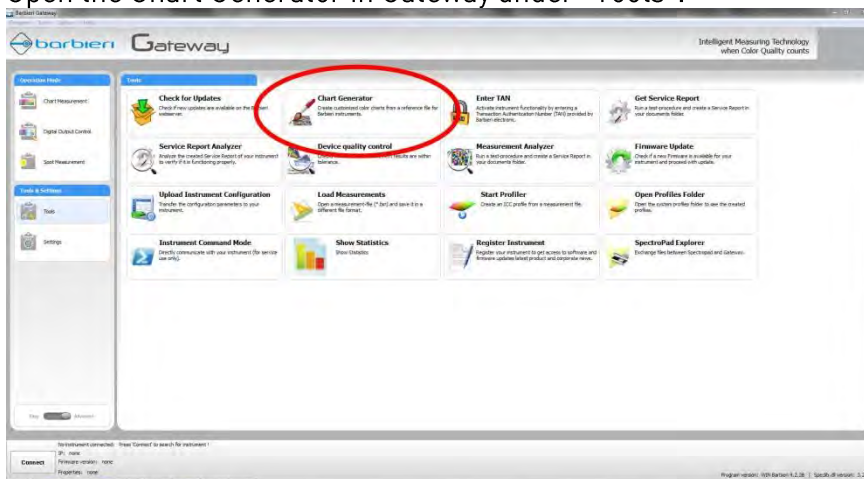# Using X-Rite i1Profiler Targets (incl. Multicolor targets)

The i1Profiler software supports i1Profiler specific dynamic creation patch sets/ targets.

- After creation of a new patch set, you can save this in a *.pxf file:
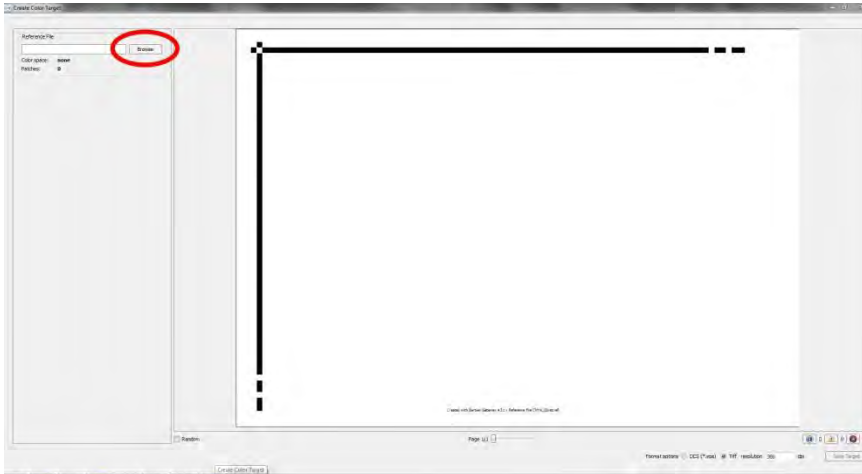

Version 4.2 of the Gateway software includes a Chart Generator which supports this *.pxf file to build customized charts which can be measured then by the Barbieri instrument.
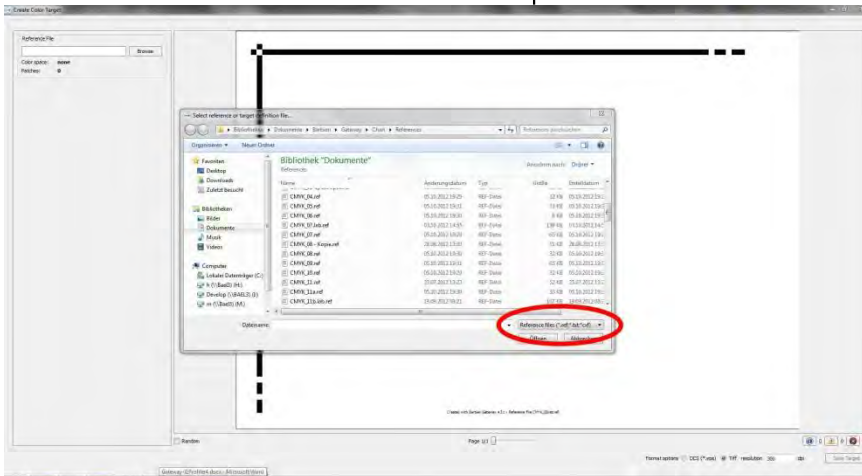
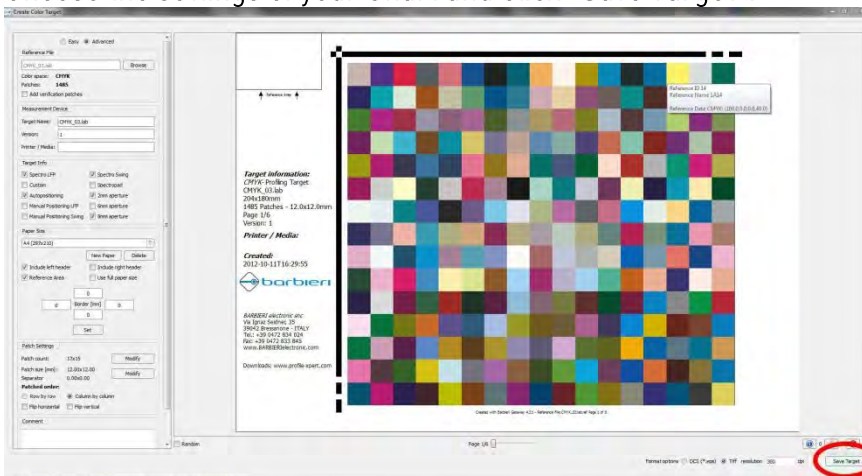- Open the Chart Generator in Gateway under "Tools".

- Click the "Browse" button.

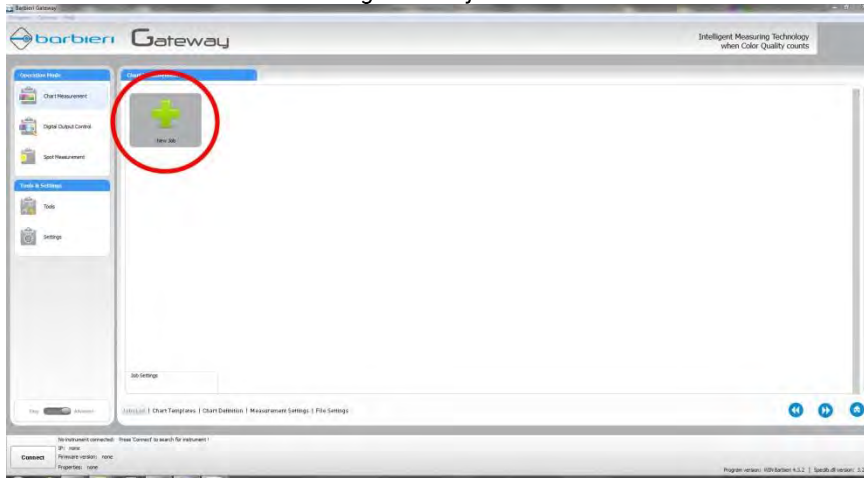- Choose a reference file with extension *.pxf.

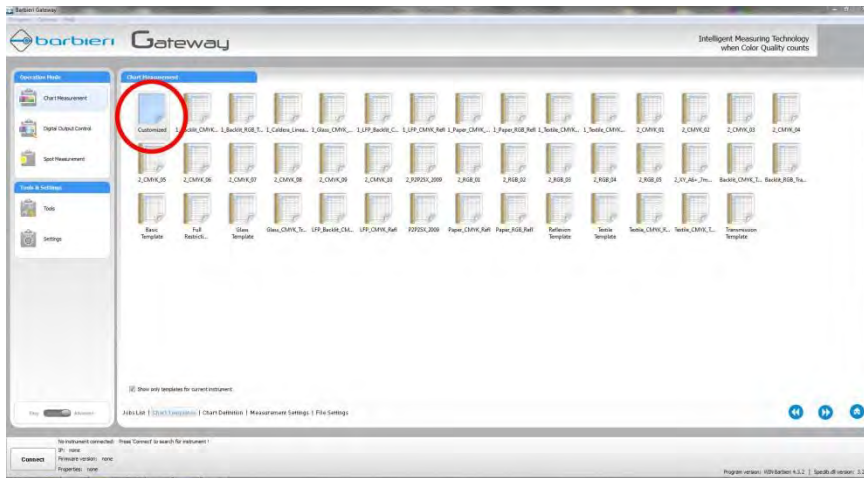- Choose the settings of your Chart and click "Save Target".

The target will be saved in the Documents\Barbieri\Gateway\Chart\Targets folder.
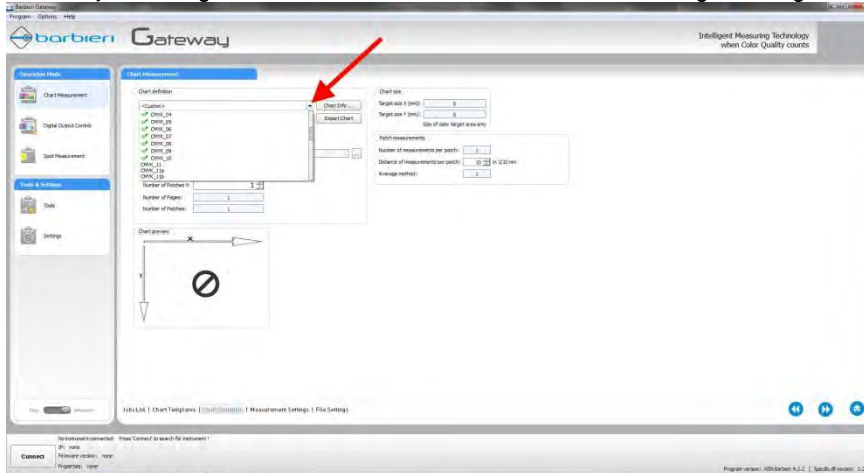
- Click "New Job" for creating a new job.

- Click "Customized".

- Select your target in the list and choose the remaining settings on the following steps.

- Once the job is created, the target can be measured in Gateway.
  The resulting *.mxf file can be loaded in i1Profiler as described on page 6 of this document.

Using BARBIERI Targets (RGB and CMYK profiling)

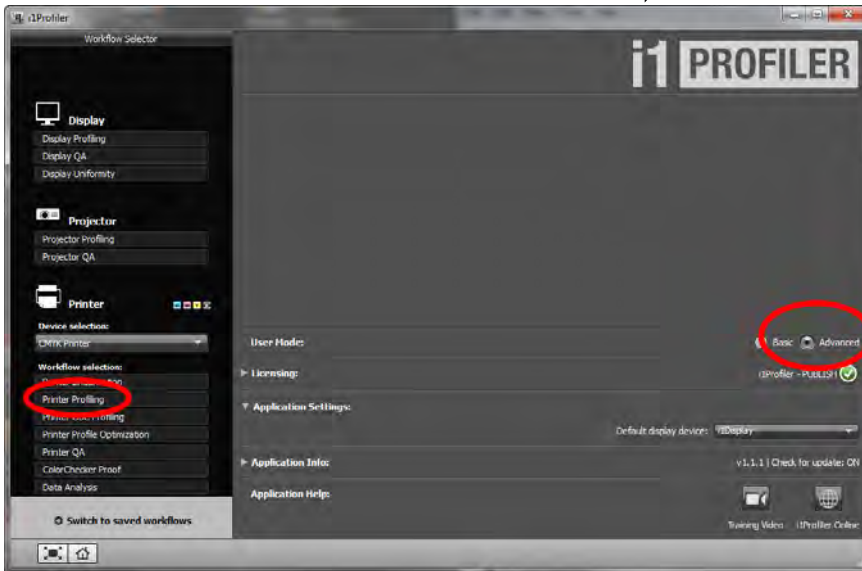The following targets are recommended to be used:

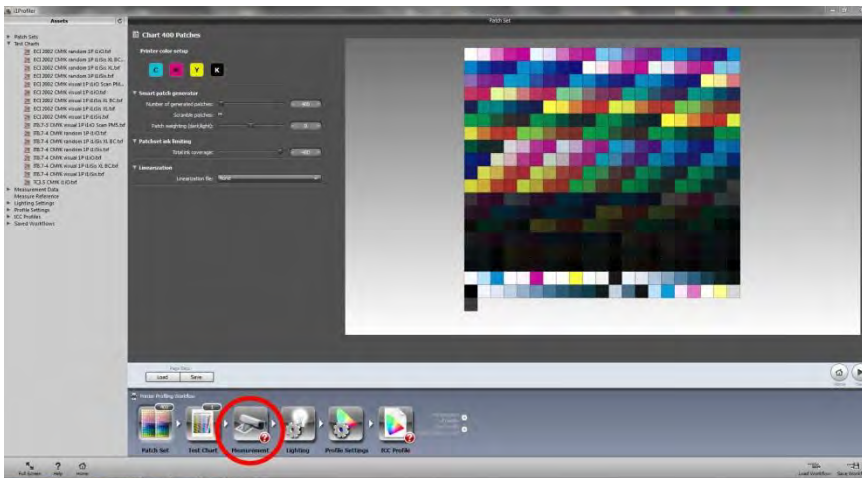| CMYK_03	corresponds to the ECI2002 Random Layout target
CMYK_04	corresponds to the ECI2002 Visual Layout target
CMYK_05	corresponds to the ANSI IT8.7/4 target
CMYK_02	2-page CMYK target for use with low resolution printers
CMYK_08	Corresponds to the ECI2002 Random Layout target on 3 pages. (9 x 9 mm patch size)
RGB_03	for RGB profiling (1248 patches)
RGB_02	2-page RGB target for use with low resolution printers

Measuring:

Use the job files supplied with the Gateway software and measure the target. Measuring data is saved in "BARBIERI" format. A file with extension *.mxf is created including both the reference data and spectral data.
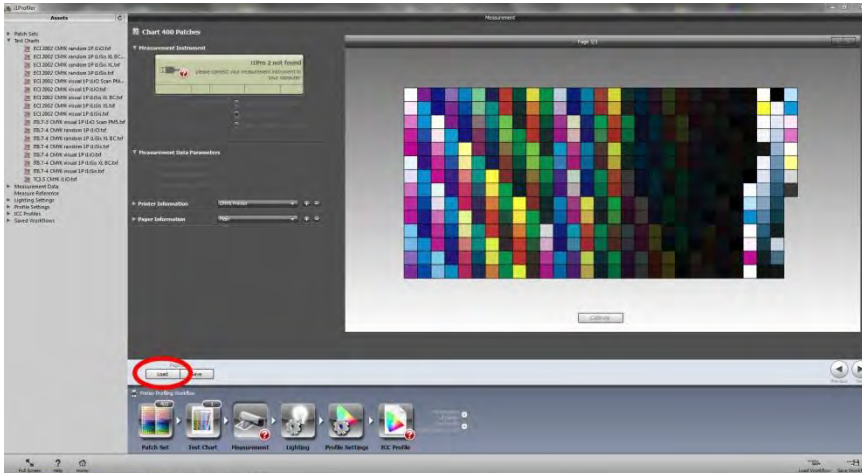
Load measurements in i1Profiler

- Run i1Profiler and select "User Mode: Advanced", "Printer: Printer Profiling".
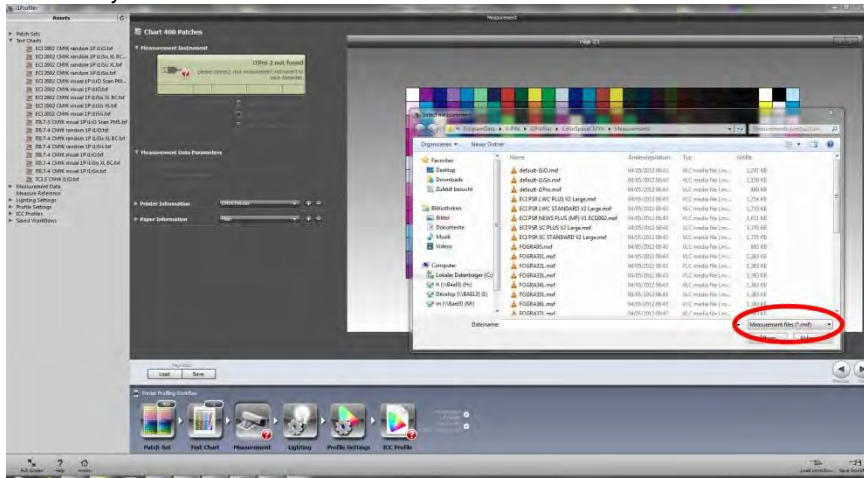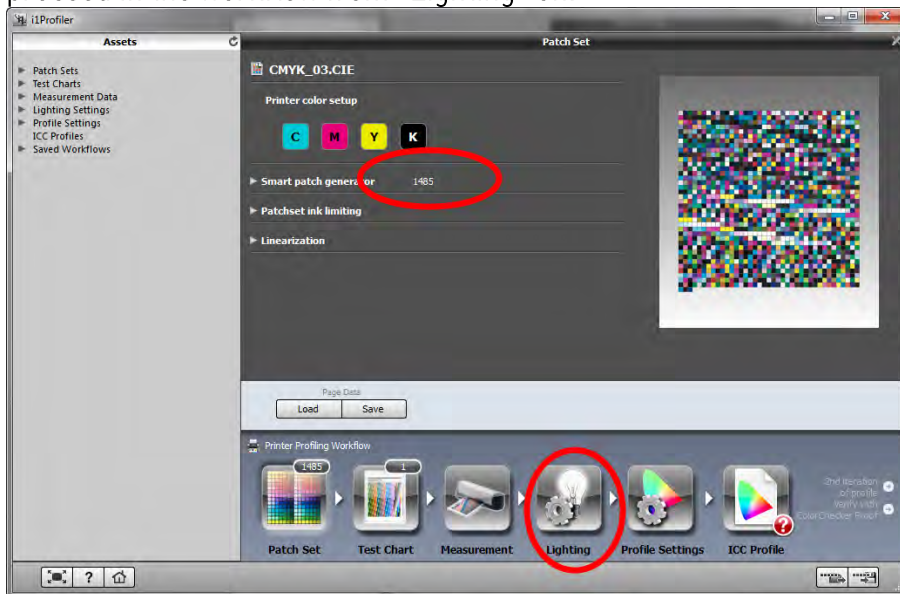

- Click "Measurement".

- Click on "Load" to load the chart measurement data

- Choose your measurement file with extension*.mxf.

- Verify that the amount of measurement patches has been correctly recognized and proceed in the workflow from "Lighting" on.

- Now proceed with profile creation.