### Six Sample Projects

- Get your own experience with ChromaChecker.



If you're focused on printing devices, process control, calibration, profiling, or verification, you'll need assessment and troubleshooting tools. You'll audit and learn tools that help resolve various technical issues. The dominant interface will be Print Inspector.

- Accuracy to GRACoL Process
- CMYK ICC Profile (Gamut) 🐵
- Basic Print Condition Benchmark
- Proof Verification with Label



Check your Instruments, compare and learn differences remeasuring Proof Verification in Instrument Inspector. The Idealliance ISO 12647-7 Control Wedge 2013 can be used as a short-term Instrument Inspector Target.

### Key benefits:

- Compare printer to Standard (GRACoL)
- Compare two or more printers
- Prioritize which printer needs the most help
- Calibrate printer G7 or TVI
- Create ICC Profile
- Verify Print and print label
- Asses Precision and Accuracy (Deviations and Variations)
- Create printer self-audit find issues to address
- Calculate Printer Gamut
- Get practical directions for press operator



QuickChecker-based, instant random measurements with autorecognition mode, automatic recording and quick insight into the history of previous measurements - an ideal tool for tracking spot colors (named) not only for quality controllers



Packaging Inspector — an interface designed primarily for web machine operators, where decision optimization and operator guidance are crucial to production economics. With additional side-by-side comparisons and accurate analytics, the interface provides simple recommendations for the operator.

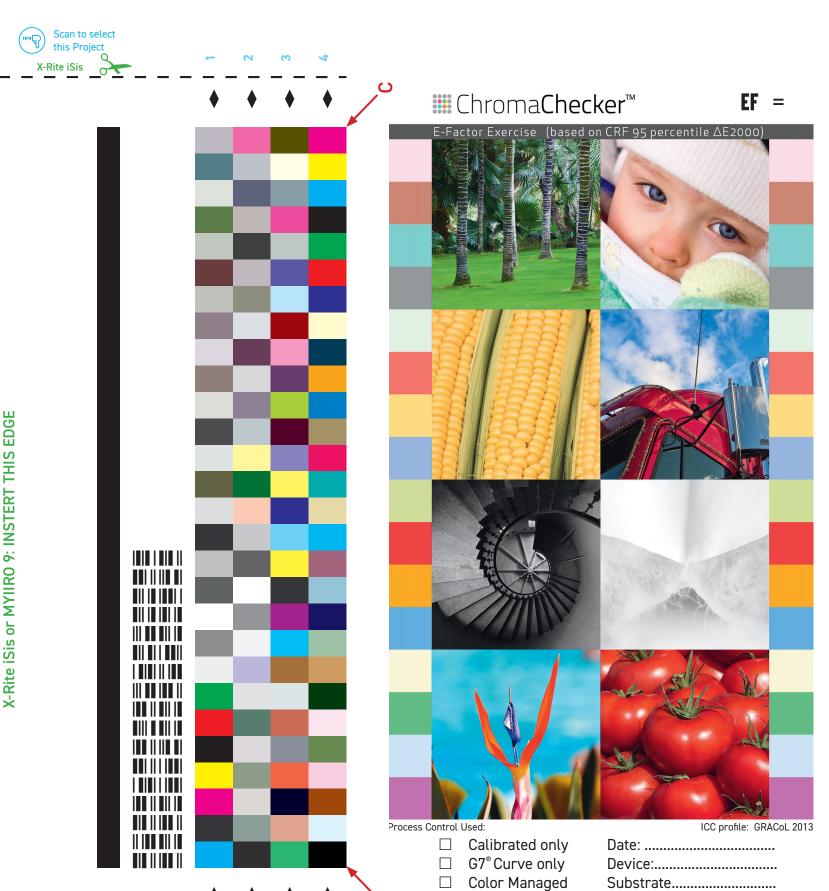
- Five Brand Colors
- Advanced Process + Named Colors

- Track your production based on Projects
- Organise multi-location workflow with central reposotory
- Invite Printservice Providers and share Projects
- Get practical directions for press operator
- · Menage complex projects with advanced automation.



### Sample Project: Accuracy to GRACoL (Process)





### Accuracy to GRACoL (Process)

This project is based on the CC-112 control strip and enables:

- Evaluate Printer E-Factor for a given Print Condition
- Basic Printer Audit / Benchmarking evaluate accuracy
- Perform G7 calibration curves\*
- Perform TVI calibration curves
- Compare printing conditions across substrates and different printers



You can easily compare different substrates or printer settings, which create different printing conditions on the same printer, or compare different presses.

With PC Qualifier (Print Inspector Tool in the website interface) you can optimize the number of ICC profiles for all substrates.

With Match ICC you can determine which existing ICC profiles are closest to the current print condition.

We recommend using Print Inspector Interface for this Project. Especially Website versioin where more advanced features are present.

This project allows for a practical introduction to the E-Factor concept as a parameter expressing reproduction accuracy. Combined with a personal E-Factor test, it allows for early verification of future production expectations. Combined with test images, it allows for understanding the correlation between digits and human perception of color differences.

Print this page on various substrates and printing devices, compare images visually, and compare measurements to see how E-Factor works in practice. Determine the desired E-Factor for your tasks and track production results.

This is key to assessing production sales and the beginning of an optimization journey. The E-Factor of each system component will allow you to find weak points and strengthen them.



You can manually upload P2P or other measurement data to Print Inspector track.

More info:



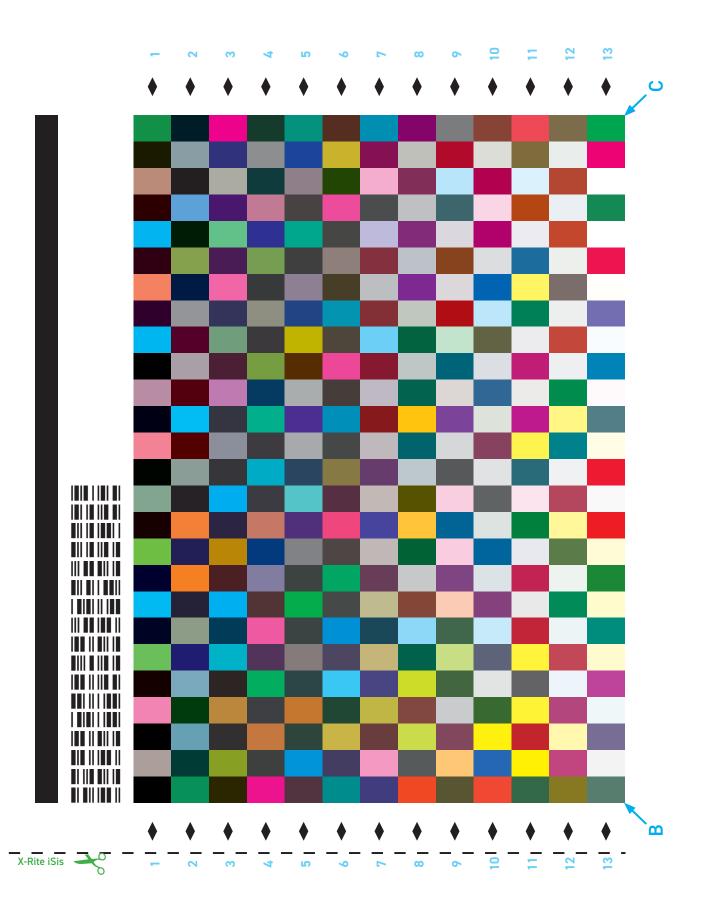
https://chromachecker.com/manuals/en/show/accuracy\_to\_gracol\_process



## Sample Project: CMYK ICC Profile (Gamut)







### **CMYK ICC Profile**

ChromaChecker ICC Profile generation engine can generate only RGB or CMYK profiles version 2.

Project is designed to create CMYK ICCC Device Profile In this case it is based on 338 patches and it is for low-demanding purposes, however it is perfect for gamut evaluation - as a part of Print Condition Benchmarking and other task where high pression is less important than effort required to measure bigger chart.

### Turn Color Management OFF.

To access full gamut of your printer do not simulate any color Space. Print and scan this chart in Print Inspector interface. When scan is completed - hit ICC Icon in the raport section. Profile will be downloaded to Export Folder or saved directly to hard drivce. Default settings of black generation will be applied. Website interface offers more parameters to control.

#### **CMYK MINI ICC**

Please note that this Project is based on a chart with 338 patches only (13x 26), but it contains also patches required for G7 Conformanace, TVI or G7 Calibration.



#### MANUAL UPLOAD

This Project support manual upload of any chart with sufficient number of patches. (IT8.7/5 (TC1617x), ECI 2002 CMYK and others)

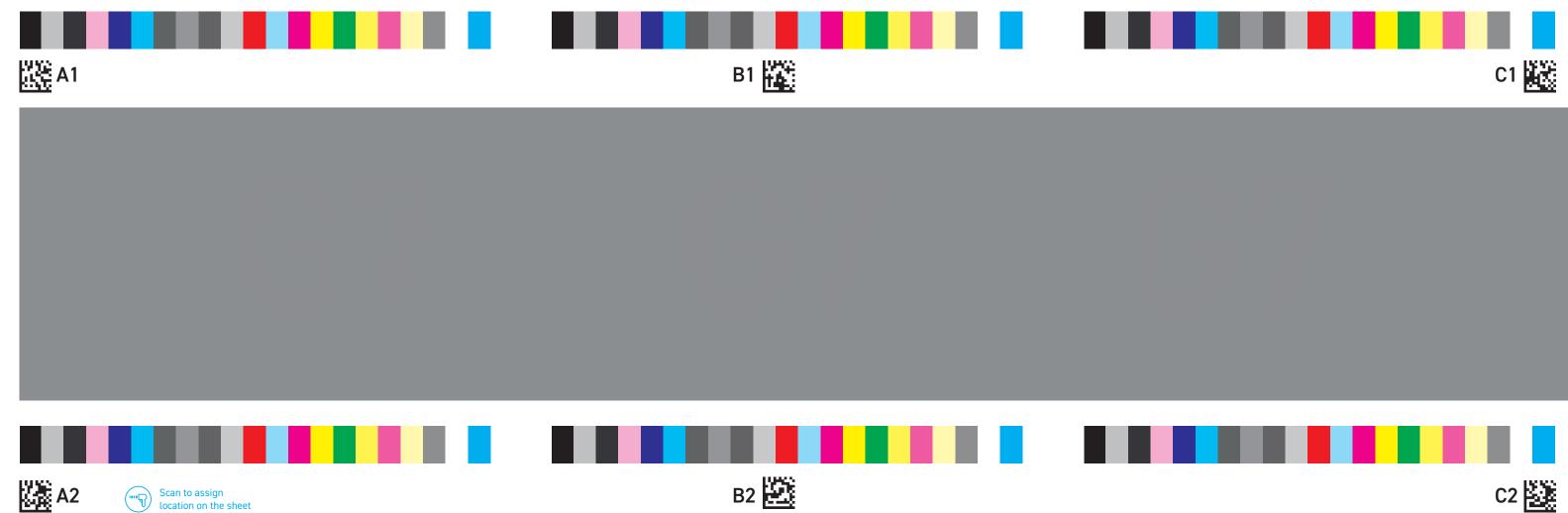
More info:



https://chromachecker.com/manuals/en/show/cmyk\_icc\_profile\_gamut

# Sample Project: Basic Variation Benchmark (tabloid)





This project is based on a minimal G7 control strip repeated nine times on the sheet. Variation analysis is a key step in Print Condition benchmarking.

G7 and TVI evaluations provide basic information about accuracy, but the key focus is intra-page variation—comparing samples of the same type in various locations.

The Variation E-Factor measures the uniformity of a single page and enables tracking this metric across the entire print run.

More info:



https://chromachecker.com/manuals/en/show/basic\_variation\_benchmark







## Sample Project: Proof Verification with Label













This project is based on the Idealliance ISO 12647-7 Control Wedge 2013 and is designed to demonstrate how users can verify a hard proof and the print certification label. A variety of label sizes are predefined.



You can upload existing measurement data to the project. Alternatively, other control strips such as Ugra/Fogra Media Wedge are also supported for the upload.



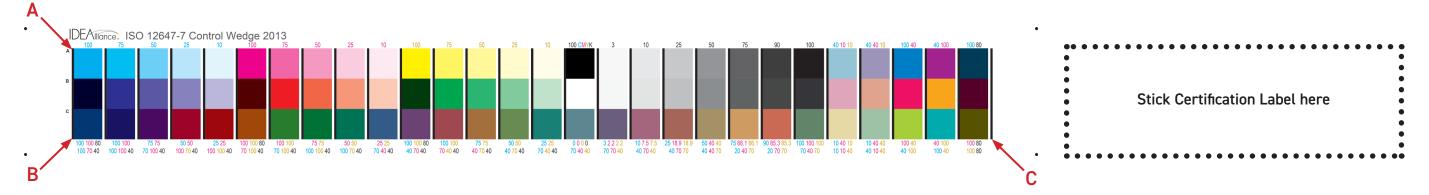
Check your Instrument. Measure it with Instrument Inspector. This test form can be used as a short-term Target.

- 1. Create a baseline in scan mode with instrument A
- 2, Create a nother baseline in spot mode with Instrument A
- 3. Repeat same steps with instrument B, C. ...
- 4. Compare baselines od different modes and instruments
- 5. Remeasure same target to verify if instrument is consistent over time.

#### More info:



https://chromachecker.com/manuals/en/show/proof\_verification\_with\_label





### Sample Project: Five Brand Colors











### **Five Brand Colors**

This project is intended for scenarios where artwork uses named colors. The user can scan a control strip in Packaging Inspector (a scenario for the press operator) — or make random measurements (QuickChecker) from artwork or the control strip (QC checks).

The press operator can use the fast left/center/right comparison feature of Packaging Inspector to control intra-page uniformity.

More info:





### Sample Project: Advanced Process + Named Colors















The project demonstrates a typical flexo or roto printing scenario using Proces and Named (spot) Colors. Control strips are positioned vertically (web printing). All key patches are consolidated into a single-row control strip created from placeholders. The template reflects a fingerprint and delivers all additional information to the press operator (e.g., anilox settings, ink configuration, etc.).

Use Packaging Inspector (recommended) to see advanced reporting with side-toside comparision feature and much more.

With QuickChecker ramdomly check Named Colors.



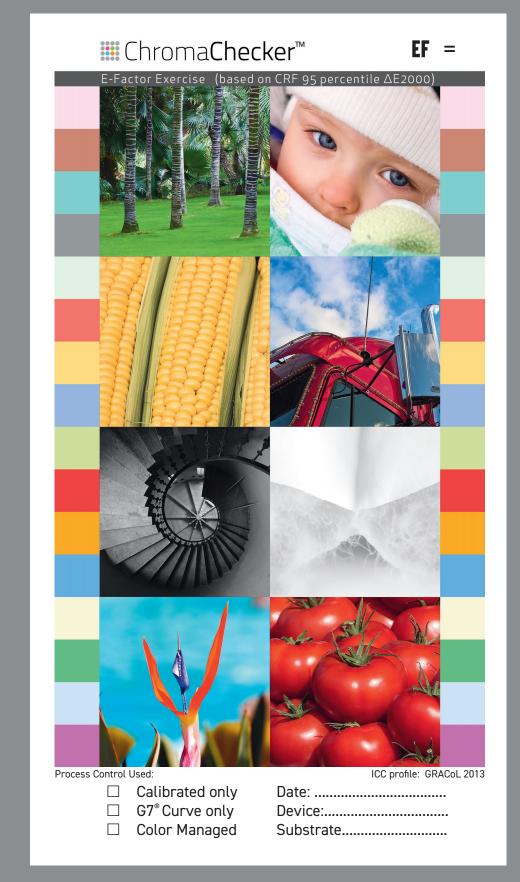






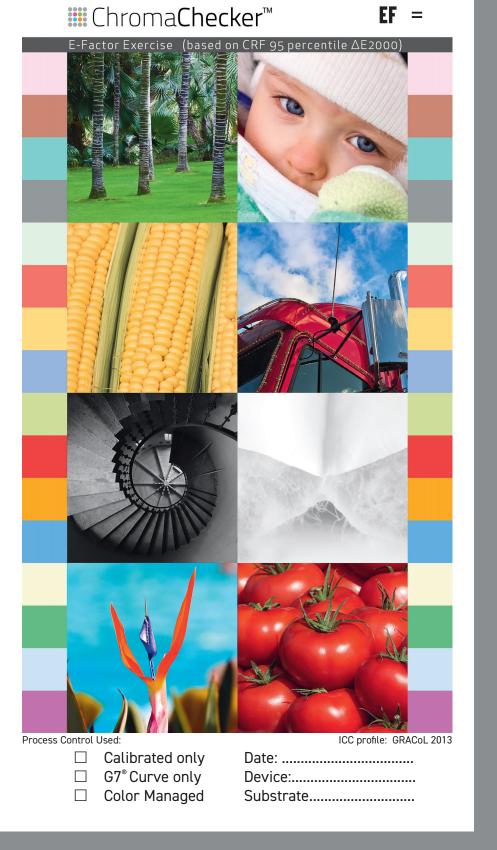






















### For Calibrate ColorChecker Studio, NIX, Spectro 1, CC Sphere

