Six Sample Projects

	Audit	CC Capture	Display	Upload
• Accuracy to GRACoL (Process)	☆	P	🖥	☁
• CMYK ICC Profile (Gamut)	☆	P		☁
• Basic Variation Benchmark	☆	P		
• Proof Verification with Label	☆	P ▱	🖥	☁
• Five Brand Colors		⬡ P ▭	🖥	
• Process + Named Colors		⬡ P ▭	🖥	

Key benefits:

- Ensure consistent quality by benchmarking printers against GRACoL standards
- Quickly compare multiple printers to identify strengths and weaknesses
- Focus your efforts where they matter most with smart printer prioritization
- Achieve accurate calibration with G7 or TVI methods
- Build reliable ICC profiles for color consistency across devices
- Automate print verification and label generation for hassle-free compliance
- Gain deep insights into print precision and accuracy (deviations & variations)
- Run self-audits to detect and resolve print issues proactively
- Measure and visualize your printer's color gamut
- Empower press operators with clear, actionable guidance
- Stay on top of every job with project-based production tracking
- Streamline multi-site operations with a centralized workflow hub
- Collaborate easily with print service providers and share projects securely
- Take control of complex workflows with intelligent automation tools

Alternative Inspcectors -Select the best for particular tasks:

Print Inspector – 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 to use tools that help resolve various technical issues. The dominant interface will be Print Inspector.

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 clear, actionable recommendations for the operator.

QuickChecker-based — Instant random measurements with auto-recognition mode, automatic recording, and quick access to measurement history. An ideal tool for tracking spot (named) colors — not just for quality controllers.

Check your instruments, compare results, and analyze differences by remeasuring Proof Verification in Instrument Inspector. The Idealliance ISO 12647-7 Control Wedge 2013 can be used as a short-term target for Instrument Inspector.

Display Inspector – Extend your project to verify displays using Spectraproof — integrated with softproofing and display calibration solutions provided by ChromaChecker Technology Partner.

Self-audit · Benchmark
- Ensure compliance with GRACoL by checking print accuracy to standard
- Optimize color performance by evaluating printer gamut on target substrat
- Maintain consistent quality by verifying all types of print variations

Manual upload

If you already have measurement files use manual upload feature to see instatnat reports.

Integrated Barcodes for Automation

Test integrated barcodes to speed up workflow and eliminate human errors by using barcodes for project/job selection and description. We recommend the ChromaChecker CC-2D Plug-and-Play barcode reader or any compatible serial port–based device.

Print Report and Labels

Document measurement with the PDF Report or Label

Sample Project: Accuracy to GRACoL (Process)

X-Rite iSis

X-Rite iSis or MYIIRO 9: INSTERT THIS EDGE

X-Rite iSis

PATCH WIDTH

7 mm

Accuracy to GRACoL (Process)

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

· Evaluate Printer E-Factor for a given print condition
· Perform basic printer audits and benchmarking to assess accuracy
· Execute G7 calibration curves*
· Execute TVI calibration curves
· Compare printing conditions across substrates and different printers

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

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

We recommend using the Print Inspector Interface for this project, especially the website version, which offers more advanced features.

This project provides a practical introduction to the E-Factor concept, a parameter expressing reproduction accuracy. Combined with a personal E-Factor test, it enables early verification of future production expectations. When used with test images, it helps you understand the correlation between numerical values and human perception of color differences.

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

This is key to assessing production quality and marks the beginning of your optimization journey. The E-Factor of each system component will help you identify weak points and strengthen them.

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

More info:

* ChromaChecker G7 engine is certified by Idealliance.

Idealliance.
G7® System Certification
ChromaChecker

ChromaChecker™   EF =

E-Factor Exercise (based on CRF 95 percentile ΔE2000)

Process Control Used:

☐ Calibrated only
☐ G7® Curve only
☐ Color Managed

Date: ....
Device:............................
Substrate..........................

ICC profile: GRACoL 2013

Scan to select this Project

PATCH WIDTH

7 mm

X-Rite iSis or MYIIRO 9: INSTERT THIS EDGE

C

B

X-Rite iSis

CMYK ICC Profile

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

This project is designed to create a CMYK ICC Device Profile. It is based on 338 patches and intended for low-demand purposes; however, it is perfect for gamut evaluation as part of Print Condition Benchmarking and other tasks where high precision is less important than the effort required to measure a larger chart.

IMPORTANT:Turn Color Management OFF.

To access the full gamut of your printer, do not simulate any color space. Print and scan this chart using the Print Inspector interface.

Once scanning is completed, click the ICC icon in the report section. You can also browse historical data using the timeline — enter "Summary" to create the ICC profile. The profile will be downloaded to the Export Folder or saved directly to your hard drive. Default black generation settings will be applied:

Total Ink Limit (TIL) = 320%, Start Black = 10%, Total Black = 85%, GCR Neutral = 45%, GSR Color = 50%, Black Intensity = 60%

Use the website interface if you want to control these parameters manually.

CMYK MINI ICC

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

This project supports manual upload of any chart with a sufficient number of patches (e.g., IT8.7/5 (TC1617x), ECI 2002 CMYK, and others). You can drag and drop measurements using the cloud icon in the track.

More info:

https://chromachecker.com/manuals/en/show/cmyk_icc_profile_gamut

Sample Project: Basic Variation Benchmark (tabloid)

A1

B1

C1

A2

Scan to assign location on the sheet

B2

C2

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 primary focus is on intra-page variation—comparing samples of the same type in different 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

A3

B3

C3

Sample Project: Proof Verification with Label

PATCH WIDTH

8.6 mm

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 the Ugra/Fogra Media Wedge are also supported for upload.

Check your instrument by measuring it with Instrument Inspector. This test form can be used as a short-term target.

Steps:

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

More info:

https://chromachecker.com/manuals/en/show/proof_verification_with_label

IDEAlliance. ISO 12647-7 Control Wedge 2013

Stick Certification Label here
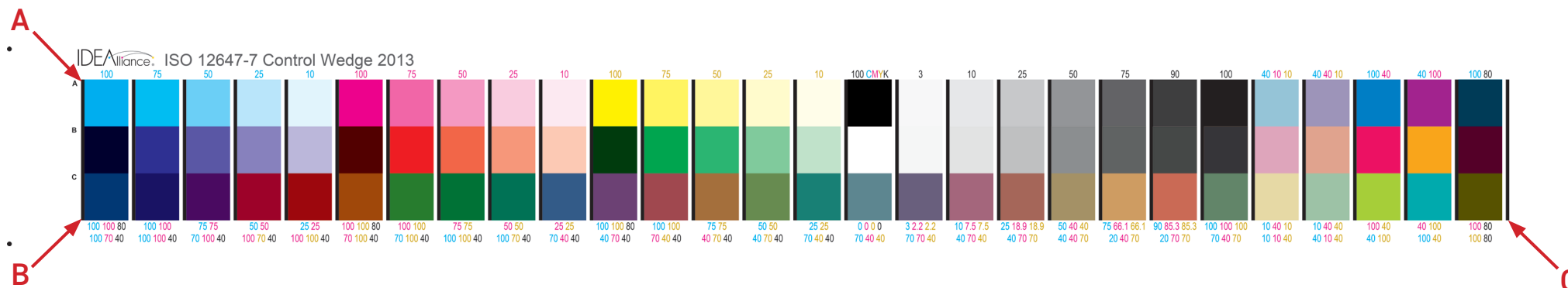
Sample Project: Five Brand Colors

Scan to select this Project

Color Legend:
- Logo Red
- Logo Blue
- ChromaChecker Yellow
- ChromaChecker Green
- ChromaChecker Pink
- Cardboard 260

FEDERATION OF RELIABLE ALCOHOL DISTRIBUTORS

BEER 75

1978

2025

TAX PAID AT THE RATE PRESCRIBED BY REVENUE LAW

Scan to set location on sheet

LEFT

RIGHT

Five Brand Colors

This project is intended for scenarios where artwork uses named colors. Users can scan a control strip in Packaging Inspector (designed for press operators) or perform random measurements with QuickChecker from the artwork or control strip for QC checks.

The press operator can use Packaging Inspector's fast left/center/right comparison feature to monitor intra-page uniformity.

More info:

https://chromachecker.com/manuals/en/show/five_brand_colors

Sample Project: Process + Named Colors

PATCH WIDTH
7 mm

AL DENTE 10 MIN

Spaghetti

N° 1   500g

AL DENTE 10 MIN

Spaghetti

N° 1   500g

AL DENTE 10 MIN

Spaghetti

N° 1   500g

AL DENTE 10 MIN

Spaghetti

N° 1   500g

Color strip labels (right):
- ChromaChecker Gray
- Pasta Box Blue
- Pasta Box Red
- K
- G7 25 CMY
- G7 CMY
- 40M
- CM
- 80 C
- G7 75 CMY
- 50K
- 75K
- 25K
- MY
- 40C
- M
- Y
- CY
- 80Y
- 80M
- 40Y
- G7 50 CMY
- Substrate
- C

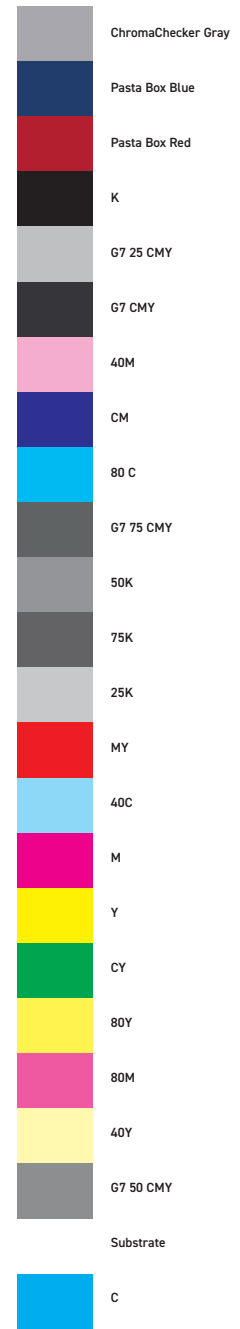|	ChromaChecker Gray		Pasta Box Blue		Pasta Box Red

LEFT

CENTER

RIGHT

This project demonstrates a typical flexo or roto printing scenario using process and named (spot) colors. Control strips are positioned vertically for web printing. All key patches are consolidated into a single-row control strip created from placeholders. The template reflects a fingerprint and provides the press operator with additional information (e.g., anilox settings, ink configuration, etc.).

Use Packaging Inspector (recommended) to access advanced reporting with side-by-side comparison and much more.
With QuickChecker, randomly check named colors.

More info:

https://chromachecker.com/manuals/en/show/advanced_process_named_colors

Scan to select
this Project

A1 Scan to assign
location on the sheet

B1

C1

ChromaChecker™   EF =
E-Factor Exercise (based on CRF 95 percentile ΔE2000)

Process Control Used:
☐ Calibrated only
☐ G7® Curve only
☐ Color Managed

Date: ....
Device:........................
Substrate.....................

ICC profile: GRACoL 2013

ChromaChecker™   EF =
E-Factor Exercise (based on CRF 95 percentile ΔE2000)

Process Control Used:
☐ Calibrated only
☐ G7® Curve only
☐ Color Managed

Date: ....
Device:........................
Substrate.....................

ICC profile: GRACoL 2013

ChromaChecker™   EF =
E-Factor Exercise (based on CRF 95 percentile ΔE2000)

Process Control Used:
☐ Calibrated only
☐ G7® Curve only
☐ Color Managed

Date: ....
Device:........................
Substrate.....................

ICC profile: GRACoL 2013

A2

B2

C2

ChromaChecker™   EF =
E-Factor Exercise (based on CRF 95 percentile ΔE2000)

Process Control Used:
☐ Calibrated only
☐ G7® Curve only
☐ Color Managed

Date: ....
Device:........................
Substrate.....................

ICC profile: GRACoL 2013

ChromaChecker™   EF =
E-Factor Exercise (based on CRF 95 percentile ΔE2000)

Process Control Used:
☐ Calibrated only
☐ G7® Curve only
☐ Color Managed

Date: ....
Device:........................
Substrate.....................

ICC profile: GRACoL 2013

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

ChromaChecker™   EF =
E-Factor Exercise (based on CRF 95 percentile ΔE2000)

Process Control Used:
☐ Calibrated only
☐ G7® Curve only
☐ Color Managed

Date: ....
Device:........................
Substrate.....................

ICC profile: GRACoL 2013

A3

B3

C3

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

GRACoL Process (CC-112)

Basic Print Condition Benchmark (single strip only)

Advanced Process + Named Colors

Five Brand Colors