



How to Use X-Rite Products for G7 Process Control

General



G7 is a Proof-to-Print process control method designed to reliably and efficiently match the visual appearance of multiple devices by defining gray balance and NPDC curves in conjunction with the traditional method of measuring TVI for each color.

The name G7 was derived from “G” for gray balance and the 7 ISO colors, CMYK/RGB.

It is important to note that G7 is a process for achieving proper gray balance, thus bringing your color gamut into tolerance. It is not a standard, but using the G7 Process can help you achieve international standards such as ISO.



Plate Control

G7 recommends using a video-based dot meter for plate measurement.

X-Rite Products:

- iCPlate2 X and iCPlate2 XT
- PlateScope

Key Highlights:

- Facilitates plate quality control, as required for G7

Benefits:

- Supports and simplifies the integration of the G7 process in the customer’s workflow
- Helps customers maintain proper gamut tolerances needed for G7 setup in the pressroom on an ongoing basis.

Product Benefits of iCPlate 2 and PlateScope:

- High level of accuracy and repeatability
- High screening range including extreme highlights and shadows

Print Control

G7 recommends using a spectrophotometer or spectro-densitometer for measuring press sheets and prints.

X-Rite Products:

- IntelliTrax (Auto Scanning System)
- 528, 530, SpectroEye and 939 (Color Handheld Spectrophotometers)



IntelliTrax 1.5

Key Highlights:

- Measures against targets defined by G7
- Displays graphs to show performance against G7 targets
- Identifies problem inks and recommends what inks to change to get to targets, simplifying the problem solving requirements of your press operators
- Allows measurement of P2P targets
- Output measurement files to import into G7 IDEALink Curve software
- G7 Reporting

Benefits:

- Supports and simplifies the integration of the G7 Process in the customer's workflow
- Gives users an automated tool to track and use the G7 Process
- Helps customers maintain proper gamut tolerances needed for G7 setup in the pressroom on an ongoing basis.



528, 530, SpectroEye and 939 Color Handhelds

Key Highlights:

- Measure against solid tone and gray balance targets defined by G7 (Free data sets available for download from www.xrite.com for 528 and 530)
- Displays dE and/or other parameters to show performance against G7 targets

Benefits:

- Supports and simplifies the integration of the G7 Process in the customer's workflow
- Gives users a tool to track and use the G7 Process
- Helps customers maintain proper gamut tolerances needed for G7 setup in the pressroom on an ongoing basis.