Fiery® Color Profiler Suite v4.9
G7 calibration and verification
New features in version 4.9

• Fiery Color Profiler Suite G7 calibration
  – Calibration
  – Verification
  – Optimization (optional)
• Multichannel profiling and calibration for next generation high-speed inkjet presses
• Mac OS support for Konica Minolta FD-9
• ISO 12647-7:2016 support
Fiery G7 calibration – IDEAlliance System Certification

• IDEAlliance awarded Color Profiler Suite 4.9 a G7 System Certification in May 2016 to be used with a Fiery Driven™ digital print system

See Application Datasheet
Fiery G7 calibration

• First and only DFE-integrated G7 calibration, profiling, and re-calibration solution for digital presses
  – Operators of any skill level can calibrate Fiery Driven print systems to G7
  – Calculates the G7 correction curves and writes them directly into a calibration set on the Fiery server
G7 verification and optimization

• Validates results against G7 grayscale specification
  – Confirms G7 grayscale compliance has been achieved
  – If G7 compliance is not achieved on the first try, calibration can be optimized by printing and measuring additional P2P color targets
Profile creation

- The workflow includes creation of a printer profile for use with the G7 calibration
  - To achieve higher levels of G7 compliance such as G7 Targeted and G7 Color space

Fiery factory profiles will not work with G7 calibration sets
Achieving highest level of G7 compliance

Three levels of G7 compliance:

• **G7 Grayscale**
  - A printing process calibrated to the G7 definitions of constant neutral Grayscale appearance as defined in ANSI/CGATS TR015

• **G7 Targeted**
  - A printing process is in ‘G7 Targeted’ compliance when it is G7 Grayscale calibrated and matches the color appearance of primaries and overprints described in ISO 12647-2

• **G7 Color space**
  - A printing process is in ‘G7 Color space’ compliance when it meets ‘G7 Targeted’ requirements and achieves colorimetric appearance matching based on IT8.7/4 test chart to an industry press reference such as GRACoL
Benefits of Fiery G7 Implementation

• Makes re-calibration twice as fast
  – Re-calibration from Command WorkStation using standard procedure
• Eliminates time-intensive and error prone manual loading/entry of correction curves or values
• Because it includes creating an output profile, the Fiery method results in not only correct tonality and gray balance, but also higher quality saturated colors
• Gives easy, visual verification of G7 grayscale compliance
Fiery G7 calibration demo
Fiery G7 calibration workflow

Un-calibrated system → Fiery calibration → Fiery calibration with G7 correction → ICC profile with media → Re-calibrate
Color Profiler Suite G7 calibration – Printer Profiler
Color Profiler Suite G7 calibration – Print Patches
Color Profiler Suite G7 calibration – Choose Fiery server

- Name session
- Select Fiery server
Color Profiler Suite G7 calibration – Select new G7 calibration

• In Calibration setup
  – Click create new calibration setting
  – Select G7 gray balance
Color Profiler Suite G7 calibration – Print Fiery calibration chart

• Select:
  – Measuring device
  – 51 Random patch layout
  – Paper size
  – Number of warmup pages (5 recommended)
Color Profiler Suite G7 calibration – Measure Fiery calibration chart

EFI ES-6000 spectrophotometer shown measuring patches
Color Profiler Suite G7 calibration – Measure Fiery calibration chart
Color Profiler Suite G7 calibration – Measure Fiery calibration chart
Color Profiler Suite G7 calibration – Print P2P with Fiery calibration only

• Next, select settings to print and measure P2P for G7 calibration
Color Profiler Suite G7 calibration – Measure P2P with Fiery calibration only

EFI ES-6000 spectrophotometer shown measuring patches
Color Profiler Suite G7 calibration – Measure P2P with Fiery calibration only
Color Profiler Suite G7 calibration – Measure P2P with Fiery calibration only
Color Profiler Suite G7 calibration – 
Fiery calibration only results

- Compliance failures shown in red
  - Failure expected: only Fiery calibration is currently loaded
- Click next to calculate and verify G7 calibration
Color Profiler Suite G7 calibration – Measure P2P with G7 calibration

EFI ES-6000 spectrophotometer shown measuring patches
Color Profiler Suite G7 calibration – Measure P2P with G7 calibration
Color Profiler Suite G7 calibration – Measure P2P with G7 calibration
Color Profiler Suite G7 calibration – Verify G7 calibration

• G7 calibrated results displayed
  – If not passing, click Iterate to optimize G7 calibration

• This result is achieved by combining G7 calibration with the initial Fiery calibration so that Fiery re-calibration maintains G7 compliance
Color Profiler Suite G7 calibration – Create Printer Profile
Color Profiler Suite G7 calibration – Measure profiling chart
Color Profiler Suite G7 calibration – Measure profiling chart
Color Profiler Suite G7 calibration – Measure profiling chart
Color Profiler Suite G7 calibration – Using the preset

- G7 calibration and new printer profile are ready to be applied to print jobs
- Access new calibration and profile via server preset in Fiery Command WorkStation
Color Profiler Suite G7 calibration – Color settings from preset
Konica Minolta FD-9 Mac support

- Mac OS support for Konica Minolta FD-9 spectrophotometer in all Color Profiler Suite modules
ISO 12647-7:2016 support

• Support for the newest ISO proof verification tolerances
Additional resources

• For more information visit: [efi.com/cps](http://efi.com/cps)
  – Download the latest version
  – Sign-up for a free 30-day trial
  – Access to the latest features
  – Access to brochures, training and technical resources
  – Download How-to guides
  – Access to technical support and user forums
Additional resources

• Watch World of Fiery education webinars on color
  – 3 Key Steps to Getting the Right Color
  – ABC’s of Producing the Best Match for Spot Colors
  – Best Practices for Matching Industry Color Standards
  – Achieving Great Output Quality with your Paper
  – Best Practices for Producing Outstanding Image Quality Results

• Register for future World of Fiery webinar series