



Geniune Inks
Sign and Display Inkjet Printers



Print with flying colors





The quality your customers demand. The performance your business needs.

Ink. It's the lifeblood of your printing business. Why? Because you can have the best equipment, the best processes, and the best press workers, but if you don't have the best ink, none of that matters. That's the reason we custom-formulate Genuine EFI™ Inks for each EFI inkjet printing system. It's the only way to assure you get the highest color quality, durability, performance, reliability, consistency, and predictable running costs. Add our extensive color range, and you've got all the elements you need to reliably produce crisp, vivid images for a wide variety of large format printing applications. With Genuine EFI Inks, you'll always print in flying colors – increasing your profit potential and expanding your application offering.

Our ink durability promise is the one that lasts

We take your business – and our inks – very seriously. That's why most of our Genuine EFI Inks come with a warranty of up to two years against outdoor fading and five years indoors. You can run jobs for indoor and outdoor applications with confidence, knowing that EFI, the market leader in print technology, is backing your work with long-lasting inks that are the best in the business.



Better color matching with gamut-extending primary colors

EFI color scientists have been hard at work developing new shades of cyan, magenta, and yellow pigments that, along with Fiery® XF color management tools, extend the color gamut of Genuine EFI Inks. They've achieved their goal with 10 to 15% more gamut for better Pantone® color match without giving up other ink channels to alternative ink colors.

Great inks + great printers = greater productivity. It all adds up to great profits.

At our ink manufacturing facilities, all we do is think ink

Genuine EFI Inks are manufactured in our state-of-the-art facilities located in Michigan, United States and Bradford, United Kingdom. With 107,000 square feet (9,940 square meters) of manufacturing space and more than 125 employees combined, our motto is, “Think ink!” It’s where we produce UV ink optimized for our digital inkjet printing systems. And as our technology evolves, we’ll be on the forefront with our inks – leveraging over 25 years of research and development to deliver the industry’s purest and brightest process colors.

Tested and optimized for each and every printer

At EFI, our printing systems and inks are developed in unison. This synergistic approach provides superior color management, image quality and durability, and consistent system performance and reliability. We’re obsessed with the consistency and purity of our inks. So we select and grind our own brilliantly colored, long-lived pigments on-site under tight manufacturing tolerances and even tighter quality control. And with a Fiery digital front end with the industry’s best color management, the result is the brightest colors for eye-popping images that satisfy even the most demanding customer requirements.



3M and EFI – your ink performance team

Our commitment to helping you print with flying colors is exemplified by our efforts with long-standing partner 3M™ to co-develop new 3M-qualified ink sets for our product portfolio. As a result of this continuous collaboration, EFI has more 3M™ Performance Guarantees and 3M™ MCS™ Warranty* offerings than any other company.

Available since the early 1980s, the 3M MCS Warranty is widely recognized as the industry's most comprehensive finished graphics warranty. The system of matched components comes with the science and weathering technology that assures your customers their images will perform as expected for the life of the graphic.

Other benefits include:

- Peace of mind that graphics produced will be backed by 3M
- Confidence that your customers' images will be acceptable in appearance for the stated life of the graphic
- Ability to promote your use of 3M products and the MCS Warranty brand to win more jobs with customers who care about image quality and warranty assurances
- Giving your customers confidence that they're using a trusted supplier



* The 3M MCS Warranty backs graphics printed with EFI and 3M co-branded ink and select 3M flexible media, printed and applied according to 3M product and instruction bulletins.

Only Genuine EFI Inks ensure purity, consistency, reliability and results. Period.

Produce more applications on more substrates with LED inks



Specially formulated to offer a wide color gamut and deliver consistent, repeatable results, EFI LED inks print on thinner, heat-sensitive, and specialty substrates, so you can offer customers more applications and lower-cost material options. Virtually no VOCs and proven energy savings make our LED inks a greener printing solution.

Look for our GREENGUARD certified products

Our GREENGUARD and GREENGUARD GOLD certified UV inks meet UL's rigorous standards for low-level emissions of volatile organic compounds (VOCs) intended to reduce indoor air pollution and the risk of chemical exposure. Our GREENGUARD Gold certified inks meet the highest level achievable for health-based chemical emissions criteria, requiring lower total VOC emission levels, ensuring that products are acceptable for use in sensitive environments, such as schools and healthcare facilities.



Keep the jobs moving with specially formulated roll-to-roll inks

Engineered to be highly flexible and easily coated, making them ideal for fleet graphics and a variety of other flexible media applications. Our inks are even designed to handle embossing and edge curl so you can produce double-sided banners without bleed-through and hang full-bleed banners that look fantastic.

Ink for a super range of applications

Engineered to ensure maximum reliability with your inkjet system, EFI – 3M SuperRange Ink offers a hard surface cure, a wide color gamut, and excellent adhesion properties, making it the ideal choice for a super wide range of materials and printing applications. The hardened surface cure for increased durability and reliability make it an excellent choice when printing double-sided graphics, billboards, bus shelters, banners, window films, POP, wall coverings, and more. SuperRange Ink offers the industry-leading 3M MCS Warranty when printing with co-branded EFI and 3M UV inks on 3M flexible media.

Ink performance that's as impressive as it is flexible

EFI - 3M SuperFlex Ink not only offers an extended color gamut and ensures maximum reliability and performance with your inkjet printer, but also delivers super flexibility for fleet and vehicle graphics, outdoor applications and more. With its super elongation characteristics and the ability to withstand heat installation without cracking, SuperFlex ink qualifies for a seven year 3M MCS Warranty for vehicle graphics.

Hybrid inks deliver dual performance

Our latest generation hybrid flatbed/roll-fed printer inks are designed to deliver increased performance and a wider color gamut. They're formulated to be both very flexible for roll-to-roll applications yet hard enough to provide adhesion across a broad range of light and heavy rigid substrates.

Dye-sublimation inks with a competitive edge

Our aqueous dye-sublimation CMYK inks offer a wider color gamut and deep color saturation. That equals bolder, brighter, and more brilliant colors for exceptional fabric display graphics. And they print direct to polyester-based fabrics and to transfer paper. Because our special ink formulations contain less water, you can use lighter, less-expensive papers. Lighter paper means faster transfer times using less energy. And that will boost your productivity.

Speciality inks have special characteristics

EFI continually develops specially formulated products. From clear inks to inks that adhere to challenging materials to those that meet the demands of deep-draw thermoforming, we never stop coming up with more ways to help you print with flying colors.

Specifications for printing with flying colors

Genuine EFI Inks are available in a wide color spectrum for accurate color matching and consistency across multiple runs along with excellent adhesion on a variety of flexible and rigid substrates. The purity of our inks and an advanced ink filtration process ensure they don't clog or damage the system's printheads or produce subpar images.

COLOR GAMUT

- The pigments in EFI inks, in conjunction with unique additives, increase the gamut and glossiness of the output
- The color balance is managed to exacting tolerances, enabling the recreation of life-like colors
- EFI inks produce the widest color gamut possible today

PRINTER PERFORMANCE AND DRYING TIME

- EFI inks are specially formulated for use in EFI inkjet printers
- EFI inks are optimized for fast drying times while ensuring the fluency of the ink system
- Minimum maintenance required because the printer and inks are matched for peak performance and reliability

OUTDOOR DURABILITY

- UV ink two years in areas with extreme solar. In areas with extreme solar energy and in applications where chemical or abrasion resistance is an issue, the use of an EFI Armor coating or other overlamine is required for a warranty limited to two years
- EFI's aqueous dye-sublimation inks will fade in sunlight; longevity and durability depends on many variables, such as location, substrate, and if protection is used

CLEANUP

- EFI Jetwash only should be used for all the clean up and purging of printheads and ink trays

ODOR

- Odor can be especially critical for indoor applications, corrugated displays, and soft signage
- Genuine EFI Inks are formulated from raw materials that produce little to no odor when fully cured

ABRASION AND SET OFF RESISTANCE

- All Genuine EFI Inks must pass the Sutherland Rub Test where two samples are rubbed against one another at a controlled speed for a predetermined number of cycles; inks are passed if there is little to no color transfer
- Color set off (or ink hardness) is also tested by putting the surface under a weight of 200 lbs (90 kg) for 24 hours; inks are passed if there is little to no color transfer to the other material

ENVIRONMENTAL

- Contain virtually no volatile organic compounds (VOCs)
- Do not contain heavy metals such as antimony, arsenic, cadmium, chromium (VI), lead, mercury, and selenium
- Do not contain greenhouse gases as defined by the European Commission and USEPA
- Are not considered a hazardous waste under the U.S. waste regulations (RCRA)

SHELF LIFE

- On the date of manufacture, EFI's typical ink shelf life is one year (less or more depending on specific ink set/color)
- EFI maintains ink inventory in warehouses around the world and it is EFI's intent to ship ink to end customers with at least three months of shelf-life remaining

STORAGE CONDITIONS

- Store indoors tightly capped at a temperature between 35.6°F-86°F (2°C-30°C), with relative humidity, non-condensing between 20-85%
- Do not place in direct sunlight or in low oxygen environments

SAFETY AND HANDLING

- Refer to Material Safety Data Sheet (MSDS) for instructions

SUBSTRATE COMPATIBILITY

- Compatible with flexible and rigid materials
- Materials include styrene, Lexan (Polycarbonate), Sintra, PETG, foam board, card stock, polyethylene, Dibond and a range of flexible materials, including pressure-sensitive vinyl, paper, textiles, and others



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