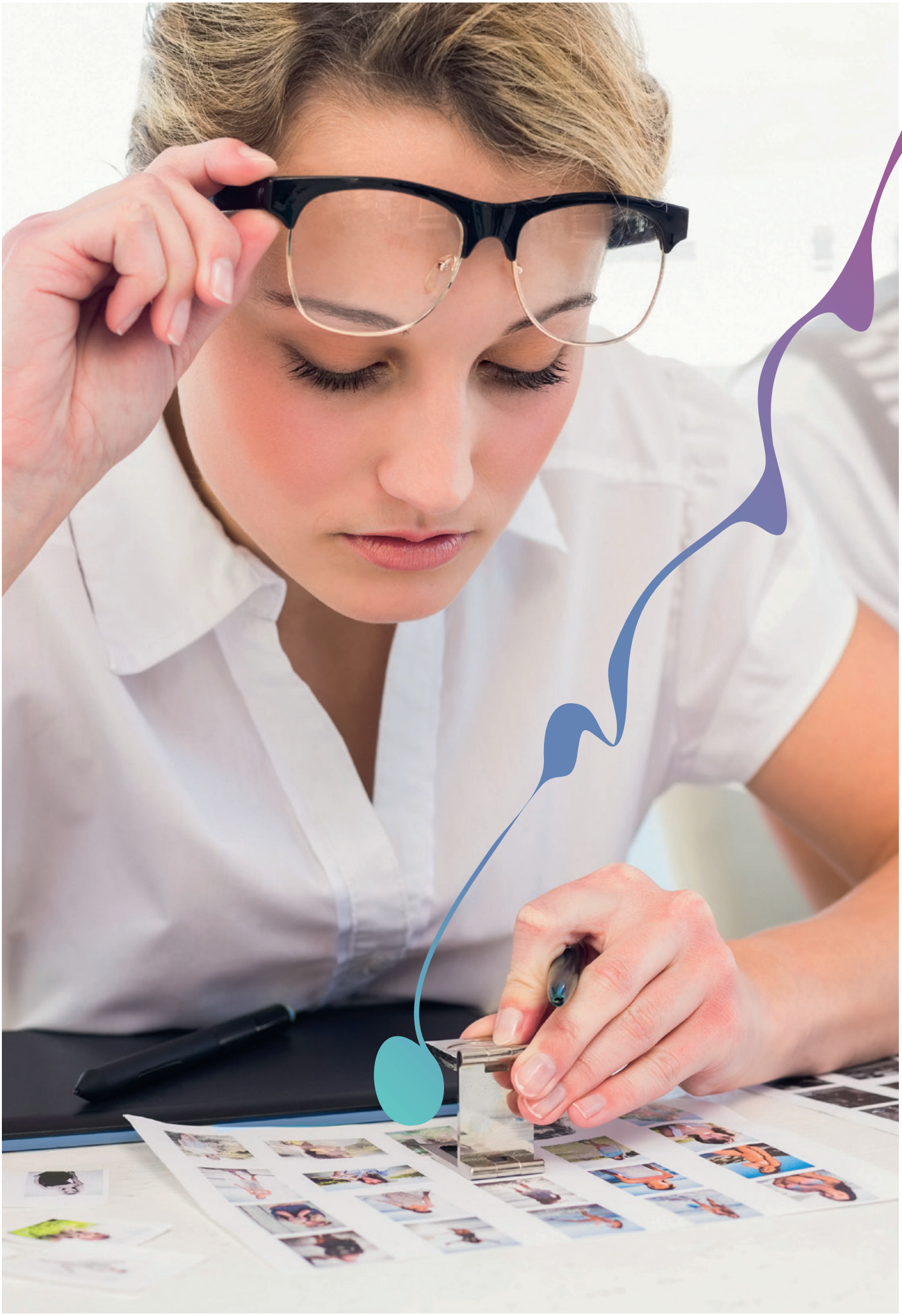
efi Genuine Inks

Print with flying colours.



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 colour quality, durability, performance, reliability, consistency, and predictable running costs. Add our extensive colour 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 colours – 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. So 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.

2
YEAR WARRANTY

Better colour matching with gamut-extending primary colours.

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

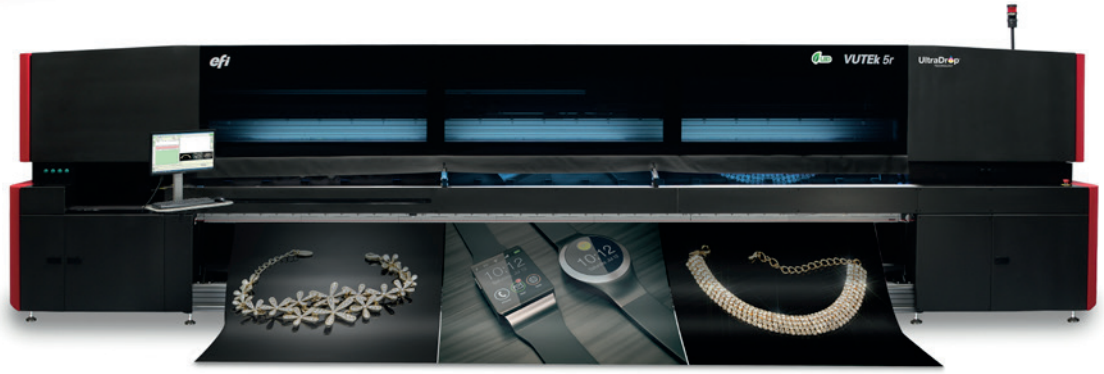
Great inks + great printers = greater productivity. It all adds up to great profits.

At our 105,000-square-foot facility, all we do is think ink.

Genuine EFI Inks are manufactured in our state-of-the-art facility located in Michigan, United States. At this 105,000-square-foot plant with more than 120 employees, our motto is, "Think ink!" It's here where we produce UV ink optimised for our digital inkjet printing systems. And as our technology evolves, we'll be on the forefront with our inks – leveraging over 20 years of research and development to deliver the industry's purest and brightest process colours.

Tested and optimised for each and every printer.

At EFI, our printing systems and inks are developed in unison. This synergistic approach provides superior colour 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 coloured, 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 colour management, the result is the brightest colours for eye-popping images that satisfy even the most demanding customer requirements.



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

3M and EFI – your ink performance team.

Our commitment to helping you print with flying colours 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 recognised 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

3M™ MCS™ Warranty

* 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. See 3m.eu/efi to register and for more details.

Produce more applications on more substrates with LED inks

Specially formulated to offer a wide colour gamut and deliver consistent, repeatable results. With the ability to print on thinner, heat-sensitive, and speciality substrates, 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.

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 colour 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 makes it an excellent choice when printing double-sided graphics, billboards, bus shelters, banners, window films, POP, wall coverings, and more. SuperRange Ink offers industry-leading 3M MCS Warranty when printing with co-branded EFI and 3M UV inks on 3M flexible media.

Hybrid inks deliver dual performance

Our latest generation hybrid flatbed/roll-fed printer inks are designed to deliver increased performance and a wider colour 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 colour gamut and deep colour saturation. That equals bolder, brighter and more brilliant colours — 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 colours.

Specifications for printing with flying colours.

Genuine EFI Inks are available in a wide colour spectrum for accurate colour 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.

Colour gamut

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

Printer performance and drying time

- EFI inks are specially formulated for use in EFI inkjet printers
- EFI inks are optimised 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

- Two years
- 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 overlaminate is required for a warranty limited to two years

Cleanup

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

Odour

- Odour 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 odour when fully cured

Abrasion and set off resistance

- All Genuine EFI Inks must pass a rub test whereby prints are put under a pressure of 79 kg and rubbed left to right 200 times; inks are passed if there is little to no colour transfer
- Colour set off (or ink hardness) is also tested by putting the surface under a weight of 90 kg for 24 hours; inks are passed if there is little to no colour transfer to the other material

Environmental

- Contain up to 50% naturally-derived monomers and oligomers derived from renewable resources such as plants or biomass
- 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
- Do not contain REACH Substances of Very High Concern (SVHC) as determined by the European Chemicals Agency (ECHA) and last updated on 17 December 2014
- Are not considered a hazardous waste under the US 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/colour)
- 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 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

EFI fuels success.

We develop breakthrough technologies for the manufacturing of signage, packaging, textiles, ceramic tiles, and personalised documents, with a wide range of printers, inks, digital front ends, and a comprehensive business and production workflow suite that transforms and streamlines the entire production process, increasing your competitiveness and boosting productivity. Visit www.efi.com or call 0808 101 3484 (UK only) or +44 (0)1246 298000 for more information.

Nothing herein should be construed as a warranty in addition to the express warranty statement provided with EFI products and services.

The APPS logo, AutoCal, Auto-Count, Balance, BESTColor, BioVu, BioWare, ColorPASS, Colorproof, ColorWise, Command WorkStation, CopyNet, Cretachrom, Cretaprint, the Cretaprint logo, Cretaprinter, Cretaroller, Digital StoreFront, DocBuilder, DocBuilder Pro, DockNet, DocStream, DSFdesign Studio, Dynamic Wedge, EDOX, EFI, the EFI logo, Electronics For Imaging, Entrac, EPCount, EPPhoto, EPRegister, EPStatus, Estimate, ExpressPay, FabriVU, Fast-4, Fiery, the Fiery logo, Fiery Driven, the Fiery Driven logo, Fiery JobFlow, Fiery JobMaster, Fiery Link, Fiery Navigator, Fiery Prints, the Fiery Prints logo, Fiery Spark, FreeForm, Hagen, Inktensity, Inkware, LapNet, Logic, Metrix, MicroPress, MiniNet, Monarch, OneFlow, Pace, Pecas, Pecas Vision, PhotoXposure, PressVu, Printcafe, PrinterSite, PrintFlow, PrintMe, the PrintMe logo, PrintSmith, PrintSmith Site, PrintStream, Print to Win, Prograph, PSI, PSI Flexo, Radius, Remoteproof, RIPChips, RIP-While-Print, Screenproof, SendMe, Sincrolor, Splash, Spot-On, TrackNet, UltraPress, UltraTex, UltraVu, UV Series 50, VisualCal, VUTEk, the VUTEk logo, and WebTools are trademarks of Electronics For Imaging, Inc. and/or its wholly owned subsidiaries in the U.S. and/or certain other countries.

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