

# GO F-24 UV LED Inkjet Printer

## Frequently Asked Questions

**Q:** Why UV ink printing?

**A:** According to Vince Cahill, a renowned expert, digital printers started using UV curable ink systems in the 90s for specialized applications where quick printing, abrasion resistance, chemical resistance and printing of irregular surfaces pushed UV printing into high end applications not normally associated with graphics. In the past ten years, there has been a push using digital inkjet printers employing industrial printheads for printers starting at \$100K up to \$500K. These high-end printers have been primarily focused on the graphics markets, although there are many industrial applications as well.

**Q:** What are advantages of digital UV-Curable ink?

**A:** Digital UV-curable ink is a polymer, there are only small amounts of VOC (volatile organic compounds) solvents. Since there is little evaporative agents, UV is environmentally friendlier than eco-solvent or solvent inks. The advantages are:

- Screen printers eliminate make ready films and screens since the process is digital
- UV ink costs less on a per copy basis since it is a 100% polymer
- Easily print images on demand including using variable data for customized results
- Unique non-coated and non-flat substrates can be imaged using UV ink, whereas solvent and eco-solvent printers need coated substrates to image properly
- Ink instantly cures
- Excellent water resistance and diminished fading

**Q:** What is the background of the GO F-24?

**A:** Graphics One has been involved in the promotional and display markets with other products and has had many discussions with manufacturers regarding a product for the American market. Our main focus on selecting a manufacturing partner was to ensure they offered true competitive value, ongoing technical support and future product innovations. Most manufacturers did not meet our requirements until we found our partner and started working with them in mid-2013. Our partner meets all of these expectations.

**Q:** Where is the unit manufactured and designed?

**A:** The F-24 was designed with our manufacturing partner in Australia and is manufactured in one of the highest tech facilities in Singapore.

**Q:** Has the F-24 been in the market for very long?

**A:** The F-24 is based upon a DTG unit which has been in the market for several years now and is highly reliable. The print engine itself is manufactured in Japan specifically for DTG and UV application.



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**Q: Why is the F-24 considered to be price and performance leader for UV printer 24" and under?**

**A:** We have a saying GO Wide, GO Deep, GO Fast with Value. What does this mean?  
GO Wide: 24" x 18" printing bed  
GO Deep: 10" opening for material height  
GO Fast: Up to 100 sq.ft/hour  
GO Value: Our price for UV-m ink is the lowest among all the providers for printers 24" and under at \$200 per liter.

**Q: Why is it important to have two UV lamps?**

**A:** The two UV lamps in the F-24 will last for virtually the life of the printer and offers excellent and fast curing needed in conjunction with the outstanding imaging printing speed.

**Q: Why does the white ink recirculation capability matter?**

**A:** The unique properties of white ink pigment, specifically titanium dioxide is denser than other inks. The F-24 continually circulates white to achieve unhindered long-term printing. Companies who do not offer white ink recirculation typically tell users to shake the cartridge everyday, unfortunately without recirculation the white ink will eventually clog printheads.

**Q: Is the UV-m ink for the F-24 specialized?**

**A:** Our F-24 UV-m ink has been developed specifically for the F-24 in conjunction with one of the major ink manufacturers in the United States. We offer C, M, Y, K, White and Clear.

**Q: Does the F-24 use specialized software?**

**A:** Yes, the F-24 comes with a specialized version of Wasatch SoftRIP which includes a template layout feature for imaging promotional items. This feature is powerful and when the VDP (variable data printing) option is added, each item on the template can be processed efficiently and quickly. Additionally the RIP offers excellent color control and controls for advanced imaging.

**Q: Is it possible to use ICC profiles and color match?**

**A:** Yes, Wasatch SoftRIP works with standard ICC profiles which allows the user to develop their own ICC profiles for matching colors which are within the gamut of the inks. Graphics One also distributes X-Rite equipment for creating profiles.



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**Q: What is the target application for the F-24?**

**A:** The F-24's main focus is promotional items, as this is the largest market for this size of printer. We also believe the F-24 will do extremely well in the signage/display market with yard signs. The yard sign market is substantial and over 90% of all yard signs are 24" x 18" or smaller, a perfect size for the F-24. Additionally, industrial imaging, packaging and applications needing large quantities using robotics are targets for future products.

**Q: What is included with the F-24?**

**A:** Our current configuration includes the F-24 printer, a special version of Wasatch SoftRIP, five 500 ml bottles of ink (C,M,Y,K,W); standard and custom jigs are available. We expect to offer special configurations in the future which may be different than the configuration

**Q: Do you offer customizable jigs?**

**A:** Yes, Graphics One is working with a jig manufacturer to provide custom jigs for promotional and industrial items.

**Q: How easy is the unit to support and what about the availability of spare parts?**

**A:** Since the unit is based upon a print engine which Graphics One has been involved for many years, it is easy for us and our distribution channel to support the unit. Additionally, we have a full contingent of spare parts since the unit is compatible with other print engines we have worked with in the past.

**Q: How is training and installation handled?**

**A:** Graphics One works with some of the best distribution partners in North and South America who have experience in this market. Additionally, if a customer prefers we can do the training and installation along with our distribution partner.

**Q: What is the future of the F-24 line? Will there be other products?**

**A:** Graphics One is working with the manufacturer on a number of new products which we believe will change how users view UV imaging. This is the first of a wide array of new small-format UV printers targeted at specialized markets.



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