EPSON's PrecisionCore technology and the Epson UltraChrome DG Ink is the latest technology that we have brought to the national and international market



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1. Details on Epson's new DTG printer – F2130

The new Epson SureColor F2130 is another feather in our cap towards innovation. Designed exclusively for direct-to-garment printing, the Epson SureColor F2130 offers a purpose-built system for high-quality prints at production speeds. Developed using the latest advancements in performance imaging, including Epson PrecisionCore TFP printhead and Epson UltraChrome DG garment ink technology, the Epson SureColor F2130 achieves up to twice the speeds of previous generation DTG printers. The printer also has additional improvements like a quick-load platen and robust Epson Garment Creator Software, which takes productivity even further, while the all-new integrated self-cleaning system means less downtime.

The new SC-F2130 DTG printer is driven by Epson's proprietary PrecisionCore Thin Film Piezo printhead delivering fast production speeds at outstanding clarity and sharpness on textiles, at resolutions of up to 1,440 x 1,440 dpi, and is one of the fastest direct-to-garment printers in its class. Users can print and dispatch completed garments in as fast as 27 seconds.

The revamped printer has improved image reproducibility with its new multi-dot print mode that delivers a wider colour gamut than the previous model. The Epson Ultrachrome DG ink technology

developed specially for Direct-to-Garment applications brings outstanding colors and robust garment durability to textile prints, and is certified by Eco Passport for sustainable textile production.

The SC-F2130 is well suited for small to medium businesses who want to add direct-to-garment printing to their portfolio, such as production t-shirt printers, online t-shirt retailers, high and low-volume print companies, as well as corporates who want to produce their own branded work wear or promotional items.

2. **What is Epson's contributions to the textile industry in terms of products/services?**

In terms of products and services, Epson combines high volume and high-speed production printing to offer the best in the market. The core of Epson's printer technology is the PrecisionCore print head technology, which consists of thin-film Piezo print chips that are built using MEMs manufacturing technology for high performance printing. Using no heat, the PrecisionCore print chips enable the development of superior Epson ink formulations that can print across a variety of media ranging from posters and signage banners and other creative installations. Multi-size dot control delivers precision printing for high-volume and high-speed printing applications.

In regards to the ink used, Epson UltraChrome DG Ink is a water-based pigment CMYK + white ink and Epson Ultrachrome DS Ink is a water-based dye-sublimation CMYK ink, which is manufactured to deliver precise, repeatable performance and superior image quality. The inks are developed together with the printhead technology to ensure optimum compatibility for clean, uniform and accurate colors for garments with amazing finishes, as well as to prevent nozzle clog.

Currently, Epson offers five products in digital textile printing, i.e., Epson SureColor F6270 (44"), Epson SureColor F7270 (64"), Epson SureColor F9330 (64"), and Epson SureColor F2130. These printers range from entry level printing to voluminous printing. While Epson SureColor F6270 (44"), F7270 (64") and Epson SureColor F9330 (64") are suitable for use in sports, garments, fashion , soft signage and specialty printing; Epson SureColor F2130 is suitable for direct printing garments, preferably 100% cotton T shirt, tote bags, pillow covers etc.

3. **How does Epson view the growth of digital textile printing in India as compared to the global market?**

According to a new market research report on 'digital textile printing market: global forecast to 2023', published by MarketsandMarkets, the market is expected to be worth USD 2.31 billion by 2023 from USD 1.76 billion in 2018, at a CAGR of 5.59% between 2018 and 2023.

The direct to garment application is estimated to register the highest CAGR during the forecast period. Fast moving fashion cycles, cost advantage on short run cycles, creative designs, quick time to market for new trends, reduced wastage, and low power consumption are some of the major factors that will drive the market for direct to garment applications. According to industry experts, the future of fashion is all about customization. Consumers choose to wear the shape, size, prints, and colors that best suit them. This is where our latest DTG printer, Epson SureColor F2130 comes into focus.

We will continue to leverage our strengths in our core technologies to introduce innovations that will help our customers to strengthen their business and lower their overall total cost of production.

4. **What is Epson's position in the LFP market?**

In India, Epson started selling digital textile printers from April 2013. 5 years since then, Epson has captured 62% of the market share to become the leader in LFP market.

5. **What are the innovations introduced by Epson for LFP printers?**

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PrecisionCore is thin film piezo printhead technology that merges advances in materials science and MEMS fabrication with Epson's deep portfolio of inkjet technologies. With the flexibility to deliver high-speed solutions for commercial, industrial and office printing, it is capable of very high-production, with very little downtime for maintenance, ensuring that production lines will always be up. The printer is also equipped with an automatic printhead cleaner that keeps the nozzles clean, ensuring minimum maintenance.

Some of the other advancements that we have made includes the Epson UltraChrome DS Ink, continuous high-speed roll-to-roll productivity, Wasatch SoftRIP and Epson DS transfer papers.

Epson-exclusive UltraChrome DS ink with an all-new high density Black produces an extreme color range which has an improved black density for rich blacks and better tonal transitions and gray scale. The new ink also provides fast drying times and improved ink efficiency for a low total cost of ownership. The SureColor F-Series printers are designed to be used exclusively with Epson UltraChrome DS inks and not with any other brands of cartridges or inks.

In regards to the continuous high-speed roll-to-roll productivity, the printers have a highly accurate take up reel and substrate system that delivers winding accuracy within ±2.5mm on transfer paper rolls.

We have also have included Wasatch SoftRIP software which enables users to print sellable products immediately out of the box.

Workflow: Wasatch SoftRIP enables users to print sellable output immediately out of the box with specialty features designed for textile printing.

We also have Epson DS Transfer papers which is an extremely high quality, wide-color-gamut, water-based sublimation transfer paper. The finished output provides high ink transferability on an extremely low-cockling base.