



# Epson® SureColor® F2100 Direct-to-Garment Printer

Better Performance. More Profit.

Official Team Partner

**EPSON**  
EXCEED YOUR VISION



**AMG**  
**PETRONAS**  
MOTORSPORT

# The best just got better.

Building on the success of the SureColor F2000, the #1 selling direct-to-garment printer, the new SureColor F2100 raises the bar with increased reliability, greater productivity, and enhanced print quality.

**Introducing the Epson SureColor F2100 Series**



**EPSON®**



## SureColor F2100



4-Color + White

### PrecisionCore® TFP® Printhead

Commercial-grade printhead technology designed specifically for DTG imaging

### Simple Front Control Panel

Full Color LCD with Image Preview

### Robust Garment Platen

Medium size 14" x 16" platen included

### Optional Garment Platen Sizes

- Extra Small 7" x 8"
- Small 10" x 12"
- Medium Grooved 14" x 16"
- Large 16" x 20"
- Sleeve 4" x 4"



### Easy Top Access Cover

Used for printer maintenance and Viewing of garments being printed

### USB Memory Port

Perfect for PC-Free Printing Workflows

### Ethernet & USB

### Cartridge Locations

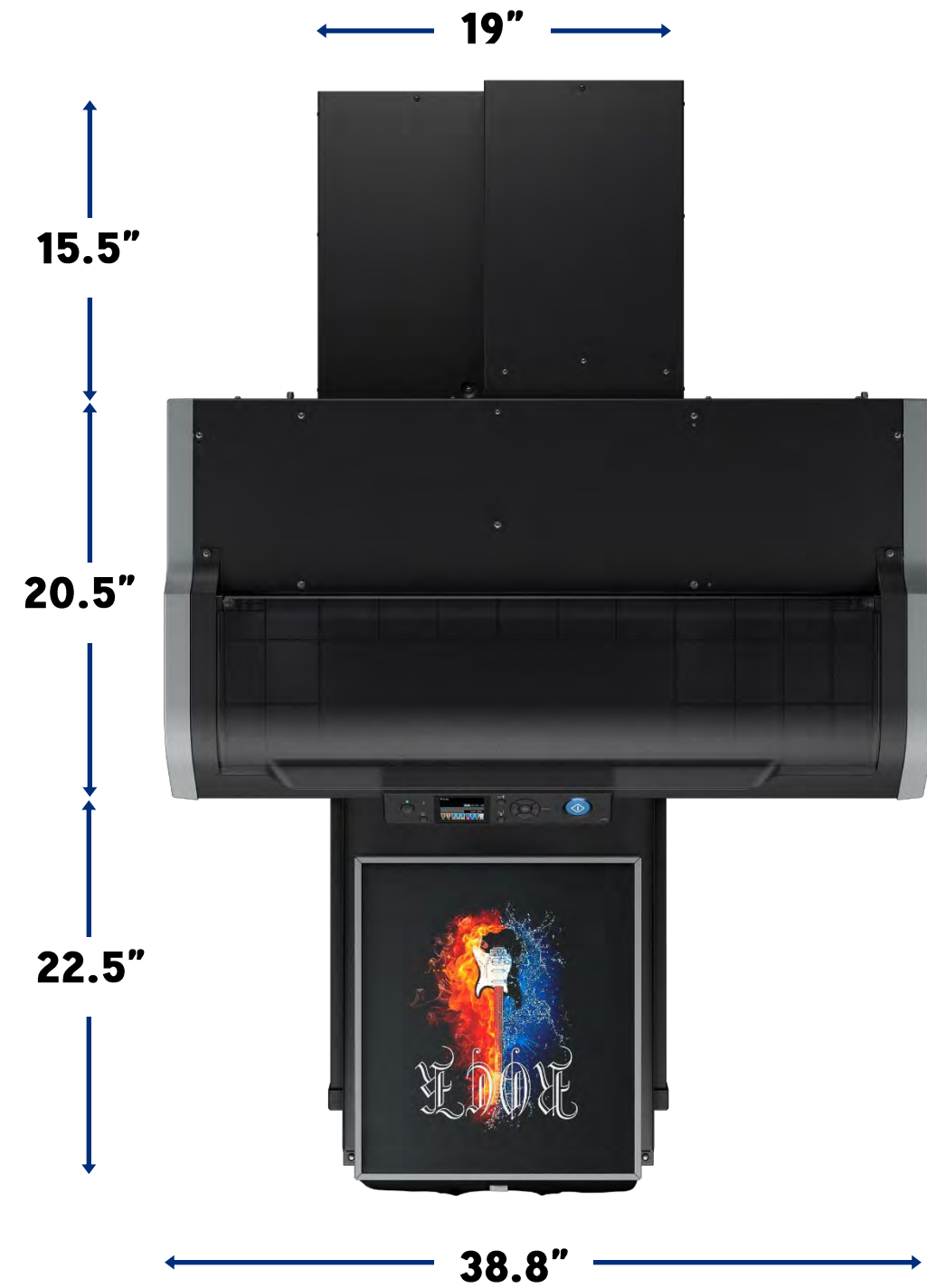
600 mL size ink cartridges x 6  
700 mL size cleaning cartridge x 1

# direct-to-garment

## SureColor F2100

### Product Features

Small Footprint & Whisper Quiet Operation



**Total Weight 183 lb.**



### User-Adjustable Platen Height Setting

Printer then automatically verifies the surface height of the garment is at an acceptable height before printing.

Platen height can be adjusted in 0.5mm increments to accommodate garments up to 25mm thick.



### Garment Grip Pad Cover

Faster garment loading when using the grip pad cover instead of traditional platen hoop

The grip pad cover can be applied to small, medium, and large size platens and is user replaceable

Please Note: Proper use of the Platen Height is required to reduce internal ink misting.

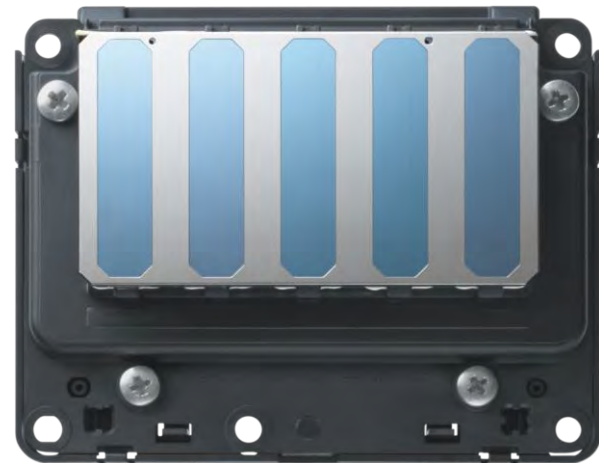


# Epson PrecisionCore®

Industrial-Grade Printhead Technology



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Epson PrecisionCore TFP

Actual Printhead used in the  
SureColor F2100 Series

## ■ Extreme Print Quality

- Print resolutions up to 1,440 x 720 dpi for color; and up to 1,440 x 1,440 for white
- Precise dot control for outstanding clarity and sharpness for garment imaging

## ■ Fast Print Speeds

- Up to 720 nozzles per inch dedicated to color inks; with 1,440 nozzles per inch dedicated to white inks for incredible print speeds
- Quite possibly one of the fastest direct-to-garment printers in it's class

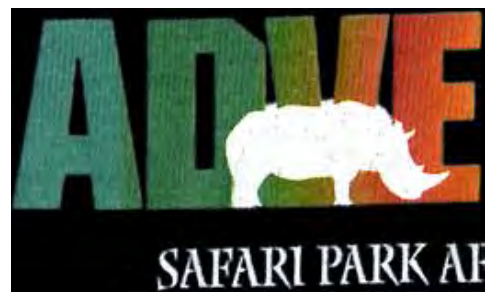
## ■ Industrial-Grade Reliability

- The PrecisionCore print chip is ideal for printing with direct-to-garment ink chemistry
- Co-developed with Epson UltraChrome DG ink technology for reliability
- Capable of high-production, with very little downtime for maintenance





White Under-base Layer



Color + White Top Layer

- **Increased Print Quality**

- Designs with white in image will receive a second coating of white ink for increased brightness
- Print resolutions up to 1,440 x 720 dpi for color; and up to 1,440 x 1,440 for white
- Precise dot control for outstanding clarity and sharpness for garment imaging

- **Increased Productivity**

- Simultaneous printing of both Color inks and White ink on top layer for increased speed

- **Minimal Increase of White Ink Use**

- Minimal increase of ink use as only white part of image receive highlight print
- Maintain a soft-hand feel to the garment



Without Epson Precision Dot



With Epson Precision Dot

### **Epson Precision Dot technology increases print quality**

- Featuring variable size ink droplet control and advanced image processing for increased print quality
- Improved image detail preserve on the garment
- Smoother tonal gradations
- Reduced mottling and “peppering” visual artifacts
- Up to 10% greater range of color than previous generation

Images shown are of actual printed garments



# Epson UltraChrome® DG Ink

High-Performance Garment Ink Technology Developed by Epson

EPSON®



## ■ Internally Developed by Epson

- Pigment ink technology designed for cellulose-based garment imaging. Best with 100% cotton (the purest form of cellulose), and performs well with cotton-poly blends and Tri-blend garments.
- The SureColor F2100 printer is designed to be used exclusively with Epson UltraChrome DG inks and not with any other brands of cartridges or inks. Using Epson genuine ink is important for reliable performance and high image quality.

## ■ Safety First

- Epson UltraChrome DG ink is Eco Passport certified by Oeko-Tex. This is an international safety standard in the textile industry and a system by which textile chemical suppliers demonstrate that their product can be used in sustainable textile production
- Epson UltraChrome DG Inks are safe for adults and children, including babies

## ■ High-Dispersion White Ink

- Extended ink cartridge shelf life of 2-years
- Enables a unique ability for the printer to idle for a week and start-up as if it were just overnight

## ■ Wide Color Gamut

- Achieves excellent DTG color match to Brand and Licensed Merchandise colors

## ■ Robust Garment Durability

- Dark Garments Top-rated on color change at 5, with 5 being best on a scale of 1 to 5
- Independently tested by Philadelphia University based on standard AATCC #61 Accelerated Laundering Methodology. Ratings are for a SYSTEM consisting of Epson UltraChrome DG Inks and Epson Pretreatment fluid on a 100% Cotton ring-spun dark shirt cured at the recommended heat tunnel settings





# Epson Pretreatment Fluid

White Ink Pretreatment Developed by Epson





- **Developed by Epson Specifically for Epson UltraChrome DG Inks**

- Required to bind White Ink to the garment with exceptional durability and opacity
- ECO PASSPORT Tested and Verified by OEKO-TEX
- Verified to be safe for adults, children and babies
- Meets all International safety requirements

- **Extremely Soft Hand**

- Unlike other pretreatment fluids - the finished garment feels very soft
- No sticky residue or odor

- **Easy to Apply**

- Can be applied with a paint roller, hand sprayer or dedicated pre-treatment machine

- **Competitively Priced**

- Available in 20 liter concentrate, creates 40 liters of fluid by mixing 1:1 with distilled water





# Printer Reliability & Maintenance

Epson SureColor F2100

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### ■ Inline Automatic Cleaning System

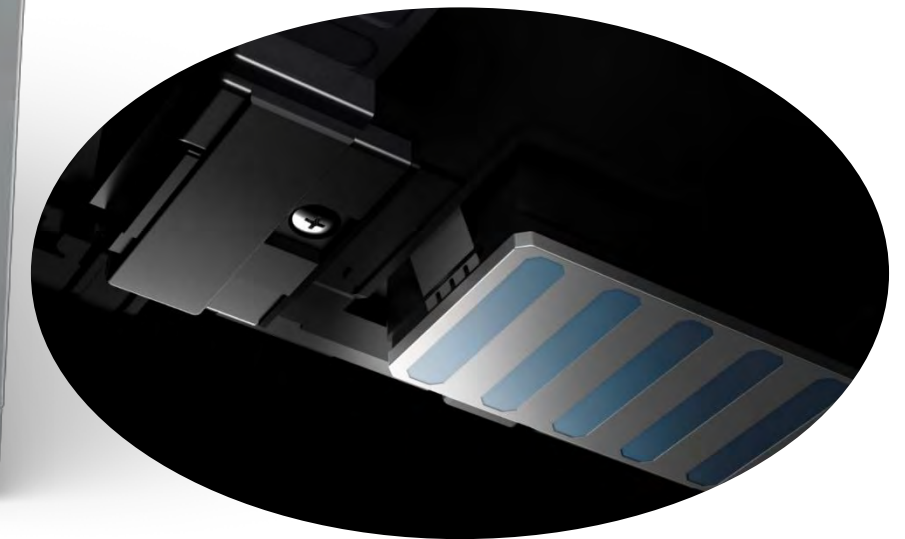
- Cleaning solution delivered through printhead – No ink used
- Eliminates manual daily tube wash activity
- Automatically performed to save time and ensure proper maintenance
- Inexpensive cleaning cartridge provides over 2 months of use





### Air Filtration

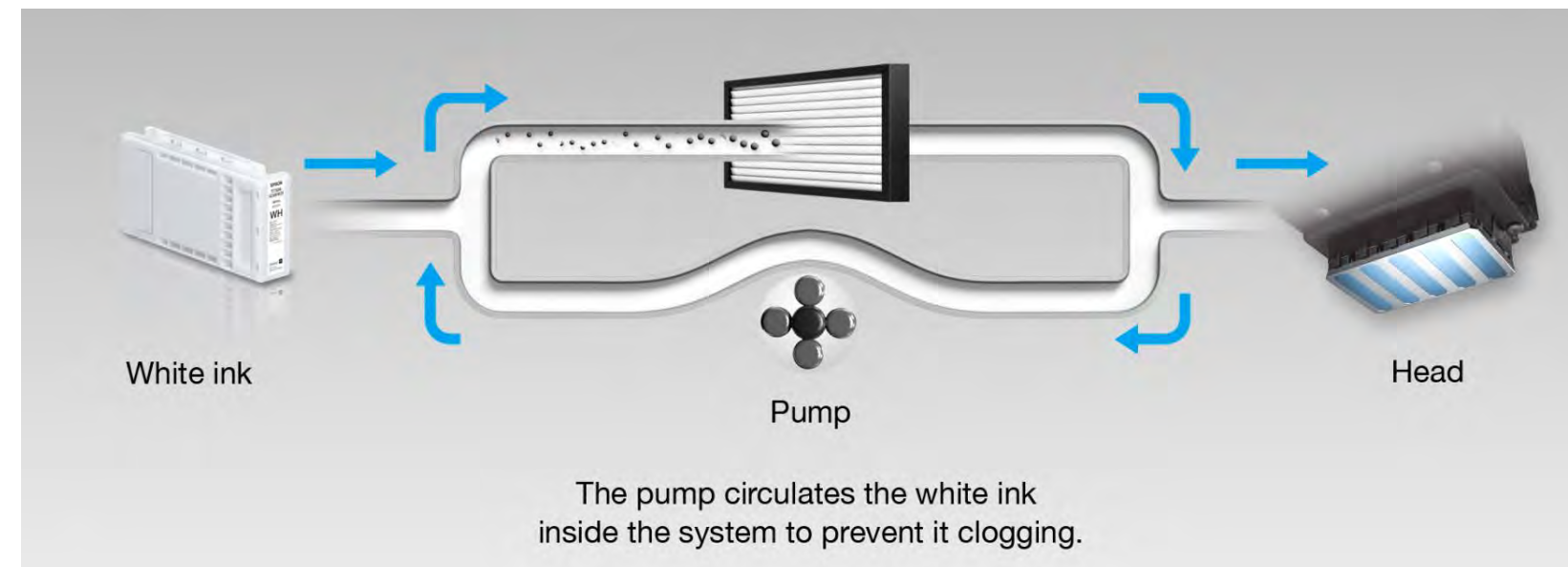
Pulls air inside of the printer through a replaceable filter to remove dust and loose garment fibers from print area.



### Printhead Dust and Lint Guard

Prevents dust and garment fibers from contacting the printhead. Automatically cleaned periodically with the printer's fabric wiper.

**Clean environment reduces print quality defects caused by dust and fibers**



## Reduced white ink nozzle clogging for greater up-time and reliability

### ■ White ink is triple filtered before reaching printhead

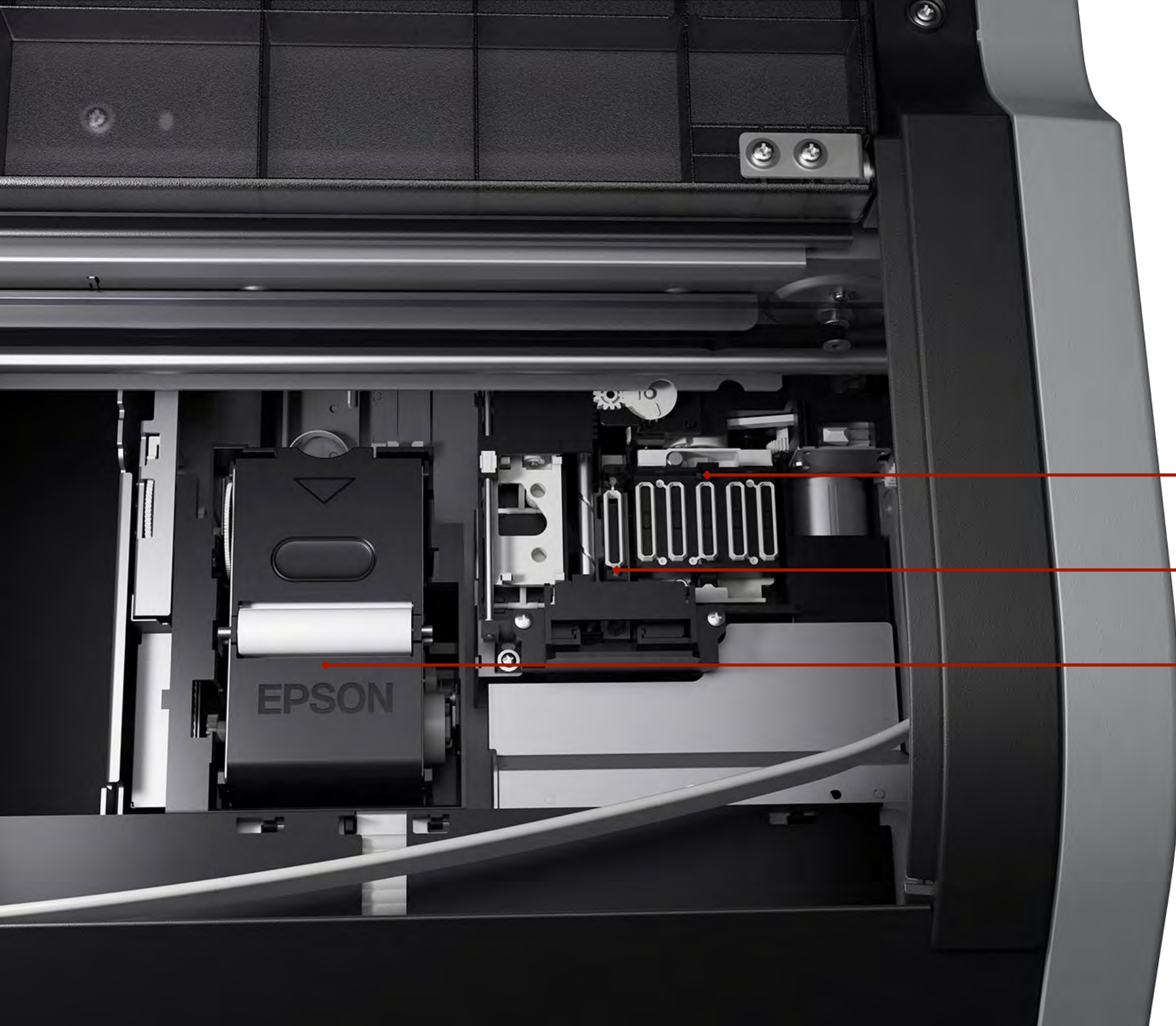
- In-cartridge filter – Prevents white ink coagulated particles from entering the printer's ink system
- Inline white ink filter – Continuously filters the white ink before reaching print carriage
- On-carriage filter – Filters the white ink prior to entering the printhead

### ■ Ink recirculation system

- White ink is circulated through the inline filter automatically throughout the workday
- Circulation is done in the background and takes only 15 seconds to complete

# Printer Maintenance

Designed for Simple User Maintenance



## **Printhead Capping Station**

User Replaceable

## **Printhead Cleaning Cap**

Clean as Needed

## **Printhead Fabric Wiper**

User Replaceable

- **Typically requires less than 10 minutes per week for maintenance**

General Printer Maintenance Routine:

- When instructed, remove the white ink cartridges and shake them - once per day
- Print the internal printhead Nozzle Check pattern to verify nozzle health - once per day
- If necessary, perform a printhead Cleaning cycle on the required channels - ink is use
- As required, clean the printhead Cleaning Cap - once per week
- Remove the color ink cartridges and Shake them - about once per quarter
- When instructed by the printer, replace the printhead Capping Station, printhead Fabric Wiper, and printhead Flushing Pad – about every 750 to 1,000 shirts

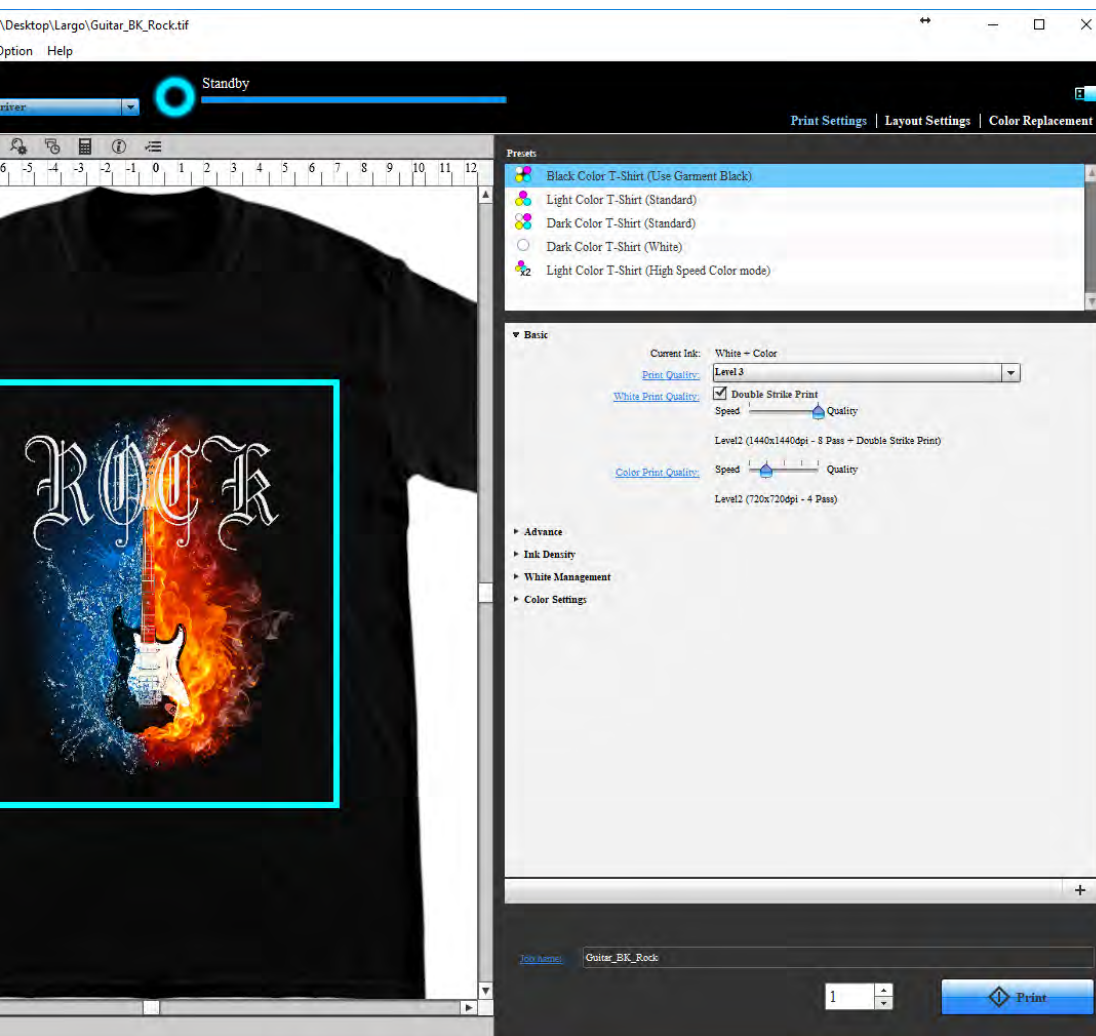




# Epson Garment Creator

Garment Printing Software from Epson

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### ■ **Advanced DTG Imaging Software Developed by Epson**

- Raster-based software application supporting sRGB - PNG, TIFF, JPEG and BMP files
- Supports transparency in PNG and TIFF file formats for simplified imaging
- Available for both Apple® macOS® and Microsoft® Windows® platforms
- Available via free internet download only

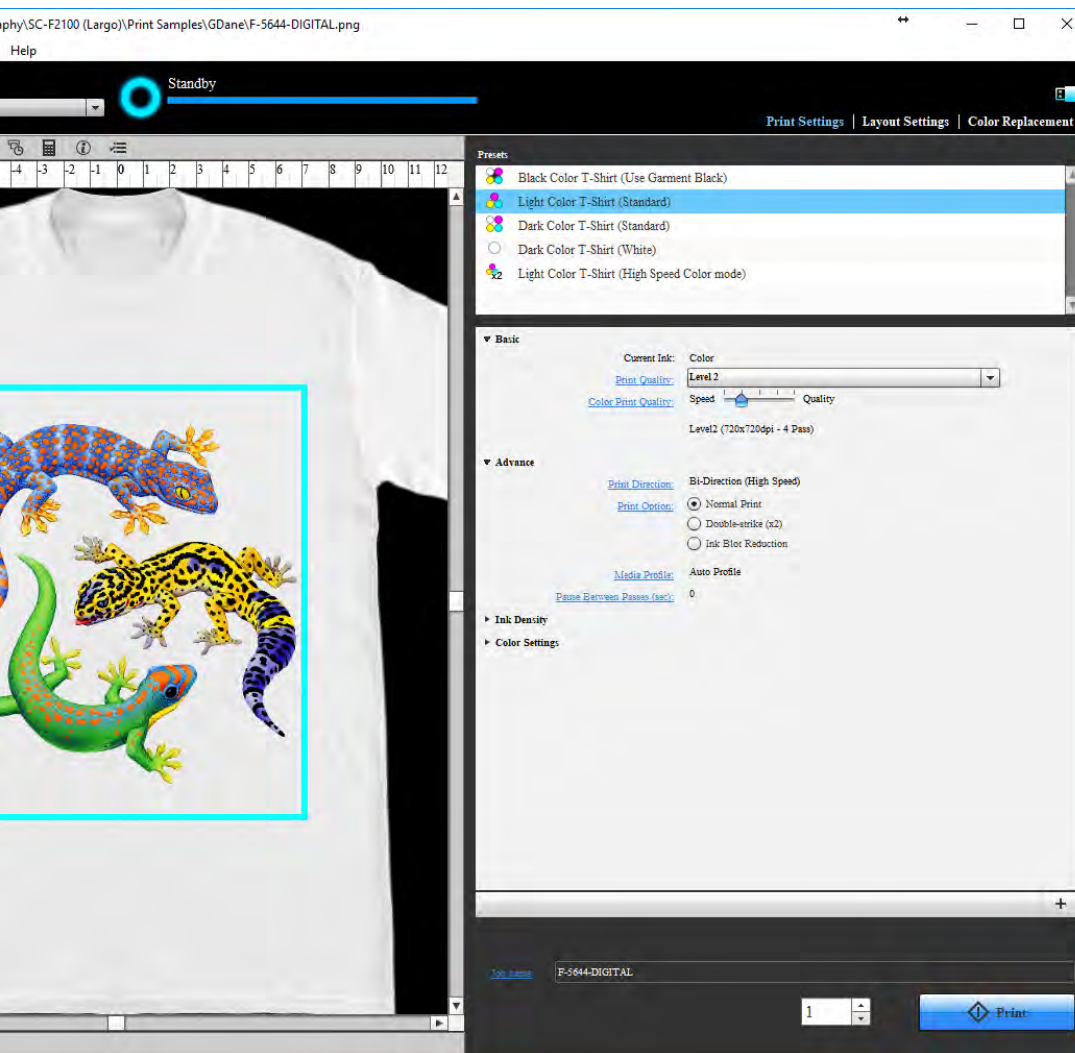
### ■ **Easy-to-Use Garment Layout**

- Choose your platen size, place your image file(s), position, scale, rotate, etc. - then print
- Add multiple images and text for greater customization of the garment
- Very simple interface - quick learning-curve

### ■ **Robust Dark Garment Controls**

- Powerful “Use-Garment-Black” feature for reduced imaging costs on black garments
- Automatic generation of the optimal white ink under-base calculated for each image
- Independent controls for color and white imaging
- Pause-between-passes available for the ultimate in quality on high ink load garments





## ■ Powerful Light Garment Controls

- Ink-Blot-Reduction mode prints yellow ink first then follows with another pass combining Cyan, Magenta and Black Inks providing cleaner and smoother dark colors with high yellow content and less bleeding
- Double-Strike Mode for high ink density and vibrant colors on ring-spun combed cotton
- Pause-Between-Passes available for the ultimate in quality on high ink load garments, usable with Ink Blot Reduction and Double Strike Print Modes

## ■ Built-In Job Estimating Tool

- Provides milliliter ink usage and a cost estimate<sup>1</sup> for the graphic being printed based on the imaging mode and number of prints selected
- Optional area to add in other production costs: Cost of Garment, Pre-Treatment, Labor, Maintenance, Equipment etc.





# Warranty & Support Programs

Epson Preferred<sup>sm</sup> Service

EPSON<sup>®</sup>

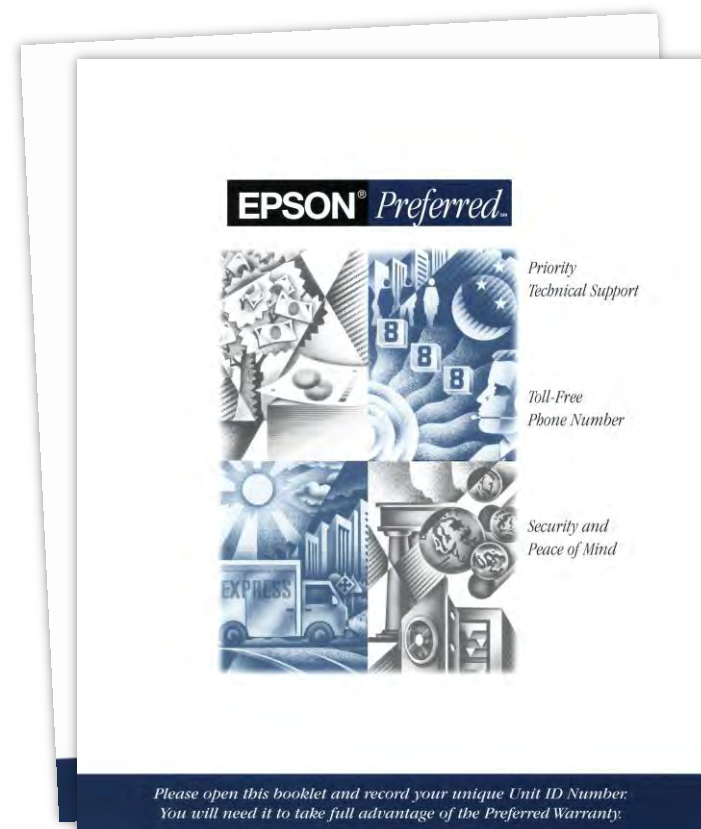


- **Standard 1-Year Epson Preferred Service<sup>2</sup>**

- Free technical phone support Monday thru Friday from 6:00am until 6:00pm PST
- If required, usually next-business day onsite service.
- Includes all parts, printheads and labor
- Covers the printer, genuine Epson optional accessories, and Epson software

- **Optional 1-Year Epson Preferred<sup>sm</sup> Plus Service Extension<sup>3</sup>**

- Extends the standard 1-year Epson Preferred Service program by an additional 1-Year
- Can be purchased at anytime while still under an Epson Preferred Service program
- Can be “stacked” twice for up to 3-years of total coverage (1 yr warranty + 2 plans)
- Specific Exclusions: Repairs after 3 million carriage passes is reached, or after 2 visits or two printhead replacements

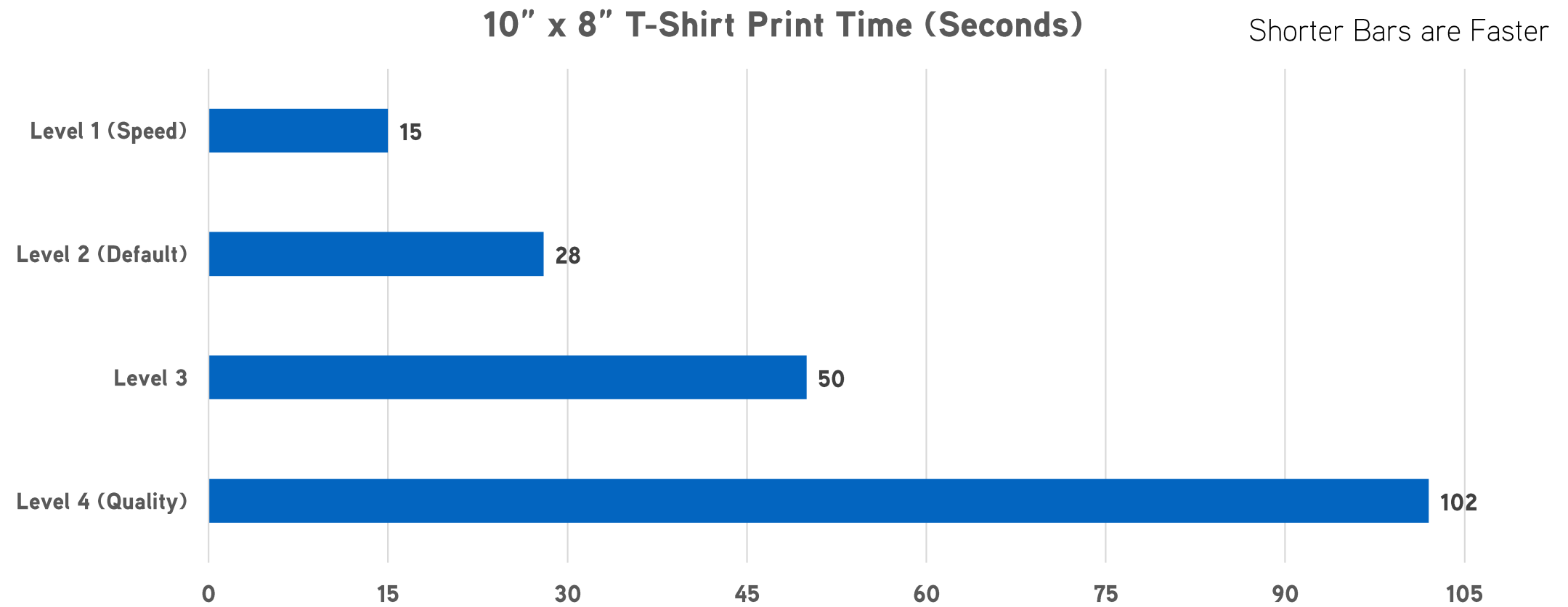




# Performance Benchmarks

Epson SureColor F2100

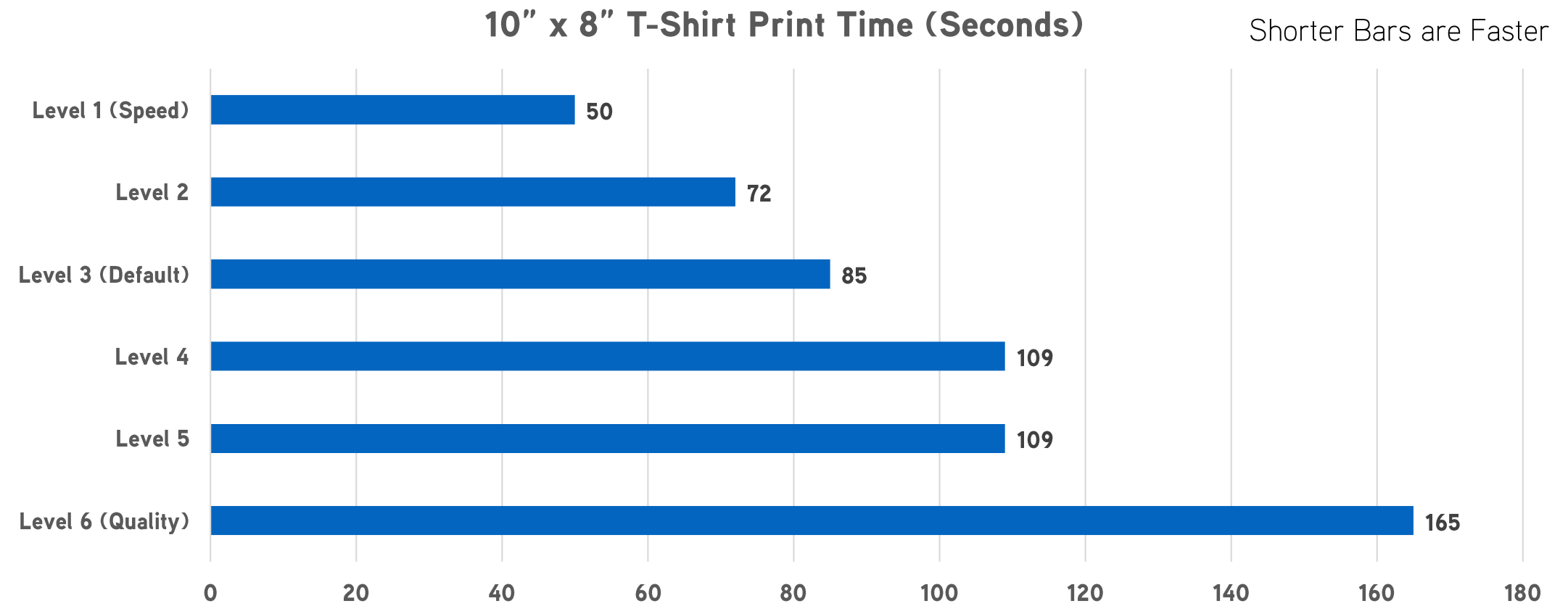
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Print times based upon print engine speed only, starting when ink is applied to the garment and ends when the application of ink to the garment ceases.

Computer processing, network transmission, loading and unloading of garments is not included in these times.

Actual print times may vary. Testing conducted by Epson America, Inc. as of January 2018.



Print times based upon print engine speed only, starting when ink is applied to the garment and ends when the application of ink to the garment ceases. Computer processing, network transmission, loading and unloading of garments is not included in these times. Actual print times may vary. Testing conducted by Epson America, Inc. as of January 2018.



# Product Value Proposition

Epson SureColor F2100

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PrecisionCore TFP printhead

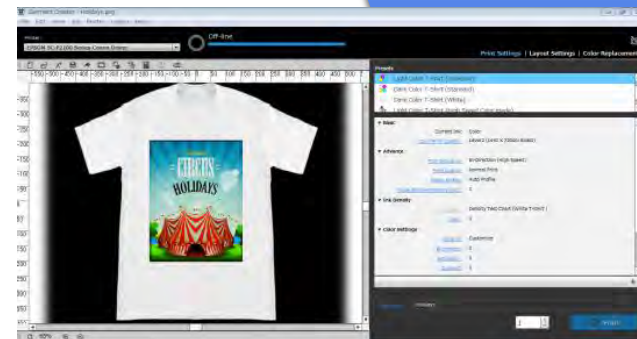


SureColor F2100

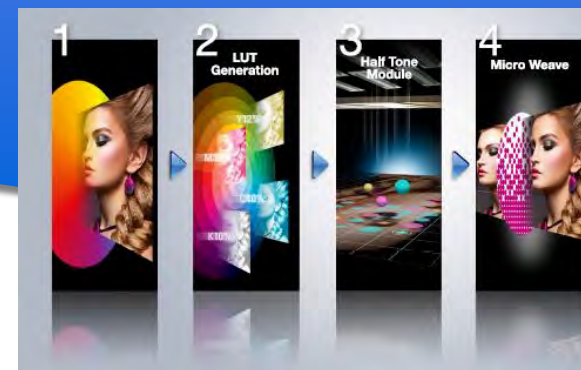


UltraChrome DG Inks

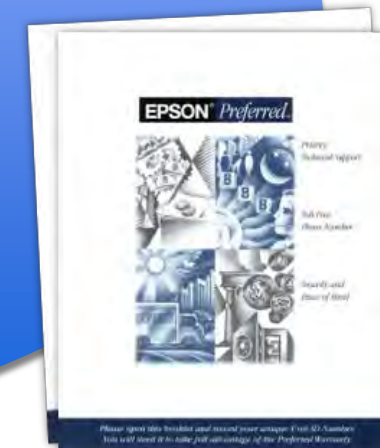
All key components have been developed in-house by Epson to deliver the best performance.



Garment Creator Software



Epson Precision Dot technology



Epson Preferred Plus Warranty

- **Superior Garment Print Quality**
  - Purpose-built printhead, ink, and printer mechanism – produces outstanding print quality
- **High-Performance Garment Production**
  - One of the fastest garment printers in it's price class – runs all day with little downtime
- **Exceptional Printer Reliability**
  - Developed specifically for high-performance, direct-to-garment imaging
- **Low Cost-of-Ownership**
  - Large-capacity 600 ml individual ink cartridges per color for a low cost-per-ml
  - Attractive printer pricing for a faster return-on-investment
- **World Class Service & Support**
  - Standard 1-year next-business-day on site service - includes printheads
  - Free phone support available Monday thru Friday

amazing  
print quality  
&  
highly  
reliable



**Specifications are subject to change without notice**

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\*Oeko-Tex Standard specifies testing criteria for the presence of harmful substances within a textile product. The standard belongs to the International Association for Research and Testing in the field of Textile Ecology (Oeko-Tex).

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The SureColor F-Series are designed to use only Epson ink cartridges and refill packs and no other brands of new or refilled cartridges, or other brands of ink or bulk ink systems. Using Epson ink is important for reliable performance and high image quality.

1. The Job Estimating function of Garment Creator is a simple tool for estimating the cost of ink for a given print job. EPSON DOES NOT WARRANT ACCURACY
2. For complete details on the SureColor F2100 Limited Warranty see the full document in the Manuals and Warranty section of [www.epson.com/support/](http://www.epson.com/support/)
3. For complete details on the SureColor F2100 Preferred Plus Service Contract see the full document in the Manuals and Warranty section of [www.epson.com/support/](http://www.epson.com/support/)

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