

**DYE SUBLIMATION AND DIRECT-TO-GARMENT
PRINTER RANGE BROCHURE**

UNLEASH YOUR IMAGINATION WITH QUALITY PRINTS.



PROPEL YOUR BUSINESS WITH SEAMLESS TEXTILE PRINTING.

Epson digital textile printers give you control and let you manufacture at scale with incredibly high precision, increased reliability and custom designs, limited only by your imagination. With a comprehensive range of textile printers to accomplish all of your textile printing needs, printing custom textile designs across a wide variety of applications becomes effortless.

ENGINEERED FOR good

Product images are for illustration purposes.



Disclaimer: The OEKO-TEX® ECO PASSPORT and Bluesign certification are applicable for selected inks only.

Why Digital Printing

As the world changes and evolves, so must we. Over the years, digitalisation has shaped our lives and this is made prominent especially in the textile printing industry. As the demand for customised prints increases, the shift towards a short-run print job becomes more apparent. This makes it challenging for analogue printers to meet the changing and growing needs of consumers.

Disadvantages of Analogue Printing

- Potential for human error particularly in the screen preparation stage is greater.
- Design needs to be simple as analogue printing cannot achieve gradation.
- Manpower-intensive with close monitoring of steps for quality prints.
- Poor cost-effectiveness of small orders, resulting in the limitation of the number of print jobs taken.
- Quality and consistency are not guaranteed.
- Shorter cycles of fashion trends and the increase of small businesses globally, result in the phasing out of analogue printing.
- Many small to medium print jobs that were once given to offset presses has made digital printing the de-facto choice.



Advantages of Direct-to-Garment (DTG) and Dye Sublimation Printing

Digital Printing Workflow

Digital printing processes are made convenient and seamless in comparison to traditional silk screen printing. Be it direct-to-garment or dye sublimation printing, experience greater efficiency with minimal effort in all your textile printing projects.

Direct-to-garment printing

Where traditional printing requires extra procedures including the need for creation of screens per colour, digital direct-to-garment printing eliminates this for increased productivity.

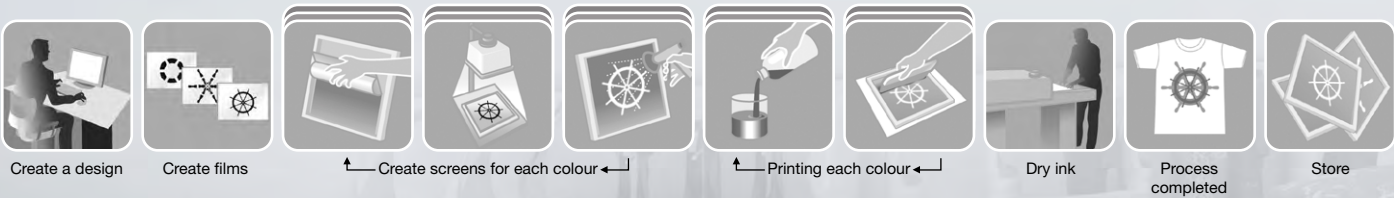
Printing on White Fabric



Printing on Black Fabric



Traditional Silk Screen Printing Process



- Extensive colour options
- Maximum detail in design
- Suitable for small to large batch printing
- Minimal upfront investment
- Easily customised designs



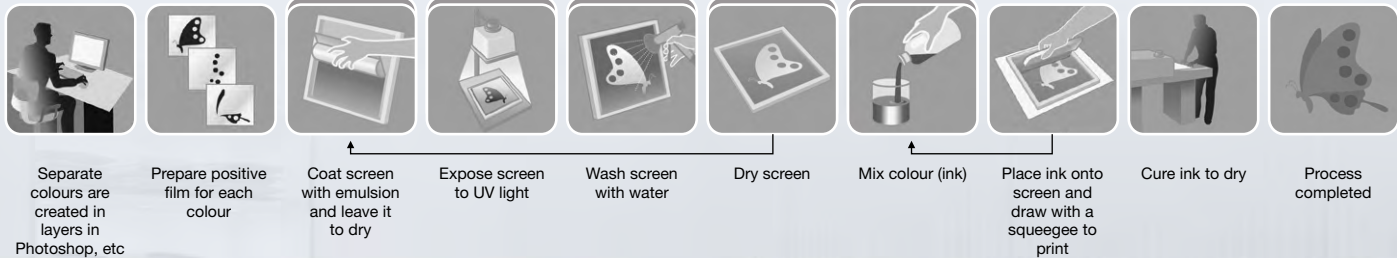
Dye sublimation printing

With dye sublimation printing, the additional hassles of traditional screen and ink preparation are eliminated. Dye sublimation printing can be completed in just four simple steps.

Dye Sublimation Transfer Workflow



Traditional Silk Screen Printing Process



- Prints seam-to-seam
- Extensive colour options
- Maximum detail in design
- Suitable for small to large batch printing



Printing Technology

Take textile printing to new heights as Epson delivers state-of-the-art printing technology with PrecisionCore printhead and amazing quality inks.



Printhead

Epson's range of textile printers is powered by our revolutionary PrecisionCore printhead technology that enables fast and reliable printing.



Permanent Head

Epson's permanent Micro Piezo printhead utilises electronic cool crystal technology to propel each perfectly formed ink droplet onto the page with absolute precision.



High Compatibility with Various Ink Types

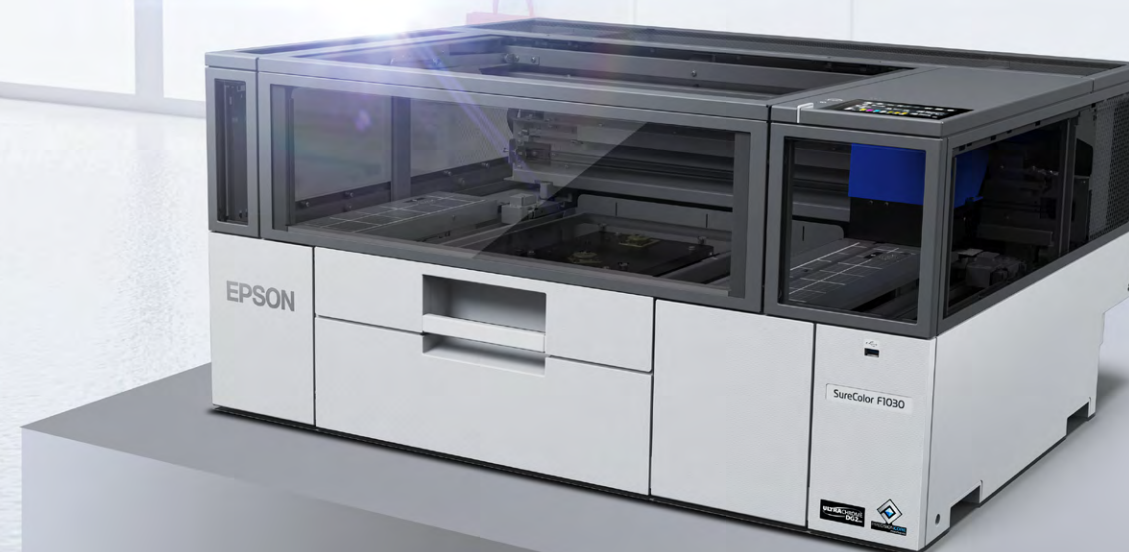
Micro Piezo technology involves no heat and can use different types of genuine ink as it remains unaffected by thermal stress.



Variable Ink Droplet Sizes

Meniscus control technology allows Micro Piezo printheads to eject up to five precise and consistent ink droplet sizes. On the other hand, thermal printheads are limited to one or two droplet sizes.

Ultimately, efficient, precise and repeatable performance for excellent image quality is made possible. Low vibration meniscus enables highly accurate dot shape and placement. The printhead also integrates ink repelling coating technology for reduced nozzle clogging. This is optimised specifically for the latest inks, improving printhead life.



Direct-to-Garment Printhead

Designed for the purpose of direct-to-garment printing, the printhead ensures optimal print quality and fast print speeds.

High-precision MEMS Manufacturing Process

By merging MEMS processes with its advanced piezo material science, Epson has been able to create microscopic, high-performance actuators and form high-accuracy ink channels. The outcome is an unparalleled level of manufacturing efficiency for consistent production quality.

Unrivalled Print Quality

From watercolour effects and photographic images, to fine lines and details, the possibilities are endless. Our direct-to-garment printers contain print resolutions of up to 1400 dpi x 720 dpi for colour and up to 1400 dpi x 1400 dpi for white inks. Now, you have the creative reign to print anything imaginable and on-demand.

Fast Print Speeds

Epson's direct-to-garment printers have up to 720 nozzles per inch dedicated to colour inks and 1400 nozzles per inch dedicated to white inks. With more nozzles on our printhead, you get to enjoy both incredible print speeds and phenomenal output.



Dye Sublimation Printhead

Experience swift and reliable short-run, dye sublimation printing with our state-of-the-art printhead technology.

Extreme Print Quality

Whether it is printing across apparels or personalised goods, our dye sublimation printers contain print resolutions of up to 1,440 dpi x 720 dpi 8-pass for amazing image quality.

High-speed Printing

With true 720 nozzles per inch dedicated to each colour ink, outstanding print quality at fast print speeds is made possible.

Sturdy and Reliable

By pairing our PrecisionCore print chip with co-developed Epson UltraChrome DS ink technology, class-grade reliability is achieved. Low machine maintenance and minimal downtime allows you to maximise savings with a printer designed specifically for the purpose of dye sublimation printing.



Ink Technology

Epson inks have been developed to work flawlessly with Epson printers to deliver crisp, smudge-proof text and vibrant photographic images that will last for generations.

Epson UltraChrome DG Ink

Epson UltraChrome DG inks produce clean, bright images with superior washability on dark and light garments.



High-performance Garment Ink

UltraChrome DG ink uses new pigment ink technology designed for cellulose-based garment imaging that ensures compatibility with 100% cotton or cotton blend. It is developed together with printhead technology to improve overall reliability.

Outstanding Colour Performance

Print images and patterns with clean, vibrant and accurate colours that will captivate any audience.

Next Generation White Ink Technology

Developed using new, high-dispersion white ink technology, UltraChrome DG inks reduce sedimentation and clogging to deliver high-density, natural white colour on fabric.

Robust Garment Durability

Garment durability is tested independently based on the industry standard AATCC testing method.

Epson UltraChrome DS Ink



Epson's UltraChrome DS ink has been optimised with the Micro Piezo printhead for dye sublimation printing.

Reliable Performance

Developed specifically for Epson's PrecisionCore TFP printhead, the overall printhead life is significantly increased, paving the way for reliable performance.

Superior Image Quality

Produce class-leading image quality where image definition and text sharpness are enhanced.

Newly Formulated High density Black Ink

Ensures rich, dark colours and solid blacks to achieve dramatic colour intensity and high colour contrast, all while consuming less ink.



OEKO-TEX ECO Passport Certified

The OEKO-TEX® ECO PASSPORT is an independent certification system for chemicals, colourants and auxiliaries used in the textile industry.

The inks used in Epson textile printers have been tested for harmful substances in critical concentrations as listed in the ECO PASSPORT standard, and is found to have met the statutory requirements and that it is not harmful to human health.



Bluesign Approved

In the fashion industry, sustainability and elimination of toxic substances are important trends. With Bluesign certification, ink and chemical manufacturers are able to minimise risks for their clients, environment, and company while optimising profitability and saving costs.

Epson inks are certified to be environmentally-friendly by bluesign. Customers can find the Epson inks that are certified under Bluesign on <https://finder.bluesign.com/index.html>.



Disclaimer: The OEKO-TEX® ECO PASSPORT and Bluesign certification are applicable for selected inks only.

Epson Total Solution

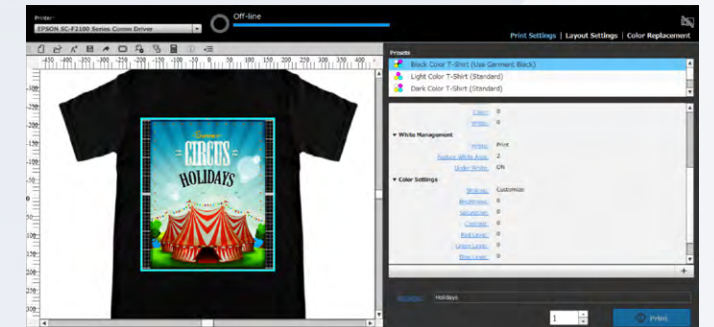
At Epson, we understand the importance of delivering a complete value chain for our customers. This is why we have Epson Total Solution, an all-inclusive, turnkey, integrated system that helps operators seize digital textile market opportunities.

By fully manufacturing all hardware and software components in-house, we enable the best printing results with seamless delivery of a total, end-to-end colour printing solution that will take your business to the forefront.



Intuitive Garment Creator Software

With Epson's intuitive Garment Creator software, it is easy for users to use and navigate through the interface to design, edit and customise designs for production. The software allows users to save their predefined colour management and layout controls to deliver great results consistently.



Epson Edge Print Pro (RIP) Software

Epson's textile printers are compatible with RIP software and eliminate the hassle of data spooling from PC. Intuitive and convenient, printing can be done immediately after hardware and RIP installation. It is easy for beginners, reducing misprinting and time to save the total cost of ownership.

RIP software also supports Epson image processing technologies including Multi Layer Halftone,* LUT and Micro Weave. Harmonising these technologies to achieve unprecedented image quality with reduced graininess and smooth graduation, it also allows:

- High performance with Adobe PS core engine to process Post Script data [CPSI]¹ EMX² file with the connection of Epson Control Dashboard
- The management of four printers at once
- Multiple formats including PS/EPS/PDF/TIFF/JPEG/PNG/CALS-G4
- Online activation with software licence (not dongle operation)
- Continuation and improvement with added functions and supported models

¹ Configurable PostScript Interpreter

² Epson Media Extension

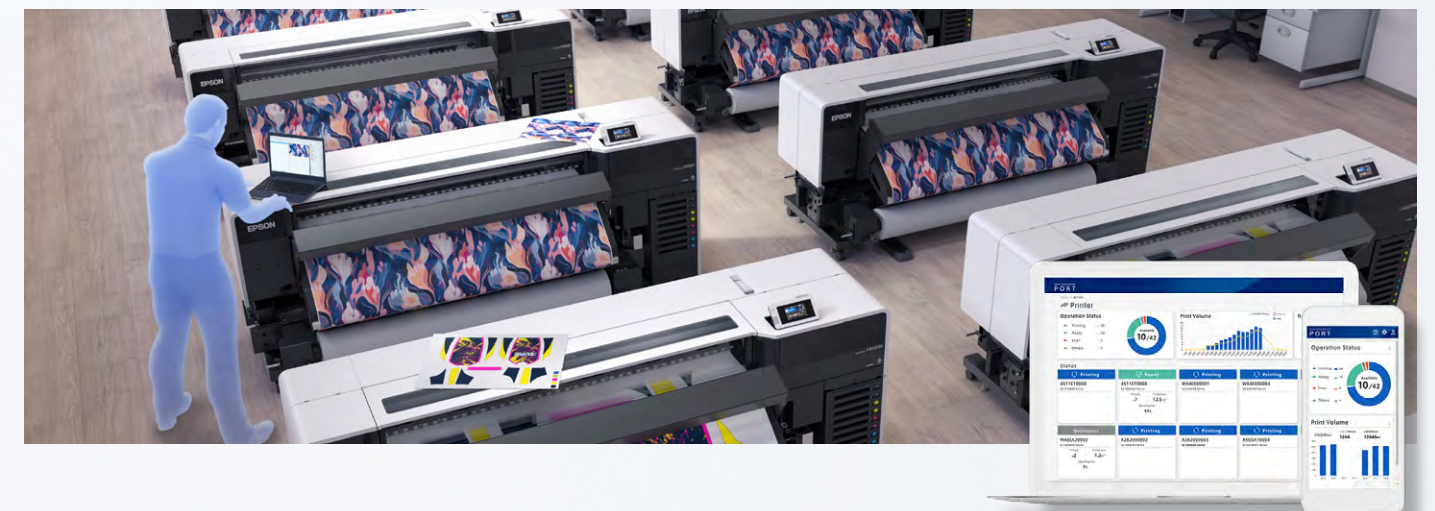
* Applicable for the SC-F10030 only.

Epson Cloud Solution PORT

Epson Cloud Solution
PORT

Epson Cloud Solution PORT is a cloud-based solution for Epson large format printers' end users. The software provides users with the status of connected printers and alerts for troubleshooting if required.

Additionally, Production Monitor function allows users to visualise printer operational status easily from their PC or smart devices, improving productivity and efficiency. This solution also promotes remote monitoring, enabling accurate failure diagnosis and prompt responses to inquiries.



DTG PRINTERS SERIES

Catering for businesses with high-volume T-Shirt print jobs, amaze your customers with astonishing colours and productivity with precise quality print, allowing a greater quantity output in a shorter amount of time.

SURECOLOR SC-F1030

DESKTOP DIRECT-TO-GARMENT (DTG) HYBRID PRINTER



- Printhead**
PrecisionCore Micro TFP Printhead
- Nozzle Configuration**
Colour:
400 nozzles x 4 channels
White:
400 nozzles x 2 channels
- Maximum Resolution**
2,400 x 1200 dpi
- Maximum Print Speed**
Colour: 80 sec/sheet
White + Colour : 200 sec/sheet
- Ink Sets**
Epson UltraChrome DG2 Ink
- Ink Capacity**
250ml
- Ink Case**
Ink Supply Unit
- Colours**
Cyan, Magenta, Yellow, Black, White
- C M Y K W

SURECOLOR SC-F130

A4 DYE SUBLIMATION TEXTILE PRINTER



- Printhead**
PrecisionCore Micro TFP Printhead
- Nozzle Configuration**
784 nozzles
(Black: 400 nozzles)
(Colour: 128 nozzles / colour)
- Maximum Resolution**
600 x 1200 dpi
- Maximum Media Width**
A4 (210mm)
- Maximum Print Speed**
65sec
(6 pass, Standard Quality, A4 size)
- Ink Sets**
Epson UltraChrome DS Ink
- Ink Capacity**
140 ml
- Ink Case**
Ink Bottle
- Colours**
Cyan, Magenta, Yellow, Black
- C M Y K

SURECOLOR SC-F2230

DIRECT-TO-GARMENT (DTG) TEXTILE PRINTER



- Printhead**
PrecisionCore Micro TFP Printhead
- Nozzle Configuration**
Colour:
400 nozzles x 4 channels x 1 head
White:
400 nozzles x 4 channels x 1 head
- Maximum Resolution**
1200 x 1200 dpi
- Maximum Print Speed**
Colour: 43 sec (2 pass)
White + Colour: 142 sec (4 pass)
- Ink Sets**
Epson UltraChrome DG2 Ink
- Ink Capacity**
800 ml
- Ink Case**
Ink Supply Unit
- Colours**
Cyan, Magenta, Yellow, Black, White
- C M Y K W

SURECOLOR SC-F530 / F531

24" DESKTOP DYE SUBLIMATION TEXTILE PRINTER



- Printhead**
PrecisionCore TFP Printhead
- Nozzle Configuration**
400 nozzles x 4 channels x 1 head
- Maximum Resolution**
2,400 x 1,200 dpi
- Media Width**
24"(610mm)
- Maximum Print Speed**
21m²
(2 pass, 600 x 1200 dpi)
- Ink Sets**
Epson UltraChrome DS Ink
- Ink Capacity**
140 ml
- Ink Case**
Ink Bottle
- Colours**
Cyan, Magenta, Yellow, Black (F530)
Cyan, Fluorescent Pink, Fluorescent Yellow, Black (F531)
- C M Y K
C Fp Fy K

SURECOLOR SC-F3030

INDUSTRIAL DIRECT-TO-GARMENT (DTG) TEXTILE PRINTER



- Printhead**
PrecisionCore Micro TFP Printhead
- Nozzle Configuration**
Colour:
800 nozzles x 8 channels x 1 head
White:
800 nozzles x 10 channels x 1 head
- Maximum Resolution**
1,440 x 1,440 dpi
- Maximum Print Speed**
Colour: 13 sec (1 pass)
White + Colour: 27 sec (2 pass)
- Ink Sets**
Epson UltraChrome DG Ink
- Ink Capacity**
1.5L
- Ink Case**
Ink Supply Unit
- Colours**
Cyan, Magenta, Yellow, Black, White
- C M Y K W

SURECOLOR SC-F6430

44" DIGITAL DYE SUBLIMATION PRINTER



- Printhead**
PrecisionCore MicroTFP Printhead
- Nozzle Configuration**
400 nozzles x 8 channels x 1 head
- Maximum Resolution**
600 x 1200 dpi
- Media Width**
10" – 44" (254 – 1,118mm)
- Maximum Print Speed**
78.3m²/h (1.1 pass 300 x 600 dpi)
- Ink Sets**
Epson UltraChrome DS Ink
- Ink Capacity**
1.6L
- Ink Case**
Ink Supply Unit
- Colours**
Cyan, Fluorescent Pink, Fluorescent Yellow, Black
- HdK C M Y

TEXTILE PRINTERS SERIES

SURECOLOR SC-F6430H 44" DIGITAL DYE SUBLIMATION PRINTER



Print Head
PrecisionCore MicroTFP Printhead

Nozzle Configuration
400 nozzles x 6 channels x 1 head

Maximum Resolution
600 x 1,200 dpi

Media Width
10" – 44" (254 – 1118mm)

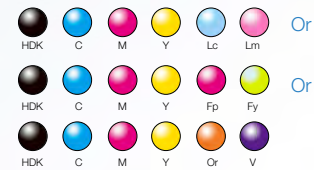
Maximum Print Speed
38.8m²/h (2.1 pass 300 x 600 dpi)

Ink Sets
Epson UltraChrome DS Ink

Ink Capacity
1.6L

Ink Case
Ink Supply Unit

Colours*
Cyan, Magenta, Yellow, High Density Black, Light Cyan, Light Magenta
OR
Cyan, Magenta, Yellow, High Density Black, Fluorescent Pink, Fluorescent Yellow
OR
Cyan, Magenta, Yellow, High Density Black, Orange, Violet



*Pre-determined before purchase, no changing after using.

TEXTILE PRINTERS SERIES

SURECOLOR SC-F9530H 64" DYE SUBLIMATION TEXTILE PRODUCTION PRINTER



Print Head
PrecisionCore Micro TFP Printhead

Nozzle Configuration
400 nozzles x 4 rows x 6 colours

Maximum Resolution
600 x 1,200 dpi

Media Width
64" (1630mm)

Maximum Print Speed
147.2m²/h
(1.1 pass, 300 x 600dpi)

Ink Sets
Epson UltraChrome DS 6 Ink

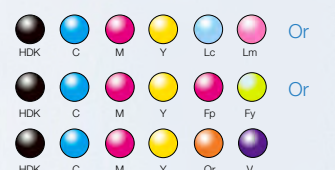
Ink Capacity
3.2L (1.6L x 2)

Ink Case
Ink Supply Unit

Colours
Cyan, Magenta, Yellow, High Density Black, Light Cyan, Light Magenta

OR
Cyan, Magenta, Yellow, High Density Black, Fluorescent Pink, Fluorescent Yellow

OR
Cyan, Magenta, Yellow, High Density Black, Orange, Violet



*Pre-determined before purchase, no changing after using.

SURECOLOR SC-F7270 64" DYE SUBLIMATION TEXTILE PRINTER



Print Head
PrecisionCore TFP Printhead

Nozzle Configuration
360 nozzles x 4 channels x 2 heads

Maximum Resolution
720 x 1,440 dpi

Media Width
64" (1630mm)

Maximum Print Speed
58.9m²/h
(1 pass, 360 x 720 dpi)

Ink Sets
Epson UltraChrome DS Ink

Ink Capacity
1L

Ink Case
Ink Pouch

Colours
Cyan, Magenta, Yellow, Black / High Density Black



SURECOLOR SC-F11030 76" DYE SUBLIMATION TEXTILE PRINTER



Print Head
PrecisionCore Micro TFP Printhead

Nozzle Configuration
1,600 nozzles x 2 lines x 4 heads

Maximum Resolution
1,200 x 1,200 dpi

Media Width
76.8" (1950mm)

Maximum Print Speed
255.1m²/h
(1.1 pass, 300 x 600 dpi)

Ink Sets
Epson UltraChrome DS Ink

Ink Capacity
10L Ink

Ink Case
Ink Supply Unit

Colours
Cyan, Magenta, Yellow, High Density Black



SURECOLOR SC-F9530 64" DYE SUBLIMATION TEXTILE PRODUCTION PRINTER



Print Head
PrecisionCore Micro TFP Printhead

Nozzle Configuration
400 nozzles x 4 rows x 4 colours

Maximum Resolution
600 x 1200 dpi

Media Width
64"(1630mm)

Maximum Print Speed
147.2m²/h
(1.1 pass, 300 x 600 dpi)

Ink Sets
Epson UltraChrome DS Ink

Ink Capacity
3.2L (1.6L x 2)

Ink Case
Ink Supply Unit

Colours
Cyan, Magenta, Yellow, High Density Black



SURECOLOR SC-F11030H 76" DYE SUBLIMATION TEXTILE PRINTER



Print Head
PrecisionCore Micro TFP Printhead

Nozzle Configuration
1,600 nozzles x 2 lines x 6 heads

Maximum Resolution
1,200 x 1,200 dpi

Media Width
76.8" (1950mm)

Maximum Print Speed
246m²/h
(1.1 pass, 300 x 600 dpi)

Ink Sets
Epson UltraChrome DS / DS6 Ink

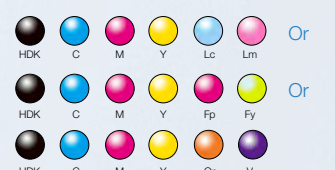
Ink Capacity
10L Ink

Ink Case
Ink Supply Unit

Colours
Cyan, Magenta, Yellow, High Density Black, Light Cyan, Light Magenta

OR
Cyan, Magenta, Yellow, High Density Black, Fluorescent Pink, Fluorescent Yellow

OR
Cyan, Magenta, Yellow, High Density Black, Orange, Violet



*Pre-determined before purchase, no changing after using.

DYE
SUBLIMATION
PRINTERS

DESCRIPTION

CONSUMABLES (INK)

OPTIONS

PRINTER MODELS

SureColor SC-F130		SureColor SC-F530		SureColor SC-F531	
					
Product Code	Ink Capacity	Product Code	Ink Capacity	Product Code	Ink Capacity
C13T49P200	140 ml	C13T49P200	140 ml	C13T49P200	140 ml
C13T49P300	140 ml	C13T49P300	140 ml		
C13T49P400	140 ml	C13T49P400	140 ml		
C13T49P100	140 ml	C13T49P100	140 ml	C13T49P100	140 ml
				C13T49FA00	140 ml
				C13T49FB00	140 ml
C13S210125		C13S210057		C13S210057	

PRINTER MODELS

SureColor SC-F6430		SureColor SC-F6430H		SureColor SC-F7270		SureColor SC-F9530	
							
Product Code	Ink Capacity	Product Code	Ink Capacity	Product Code	Ink Capacity	Product Code	Ink Capacity
C13T53Q200	1.6 L	C13T53Q200	1.6 L	C13T741200	1.0 L	C13T53Q200	1.6 L x 2
C13T53Q300	1.6 L	C13T53Q300	1.6 L	C13T741300	1.0 L	C13T53Q300	1.6 L x 2
C13T53Q400	1.6 L	C13T53Q400	1.6 L	C13T741400	1.0 L	C13T53Q400	1.6 L x 2
				C13T741100	1.0 L		
C13T53Q900	1.6 L	C13T53Q900	1.6 L	C13T741X00	1.0 L	C13T53Q900	1.6 L x 2
		C13T53Q500	1.6 L				
		C13T53Q600	1.6 L				
		C13T53Q700	1.6 L				
		C13T53Q800	1.6 L				
		C13T53QA00	1.6 L				
		C13T53QD00	1.6 L				
C13S210063		C13S210063		C13S210038		C13T724000	

DYE
SUBLIMATION
PRINTERS

DESCRIPTION		Product Code	Ink Capacity	Product Code	Ink Capacity	Product Code	Ink Capacity
CONSUMABLES (INK)	 Cyan	C13T53Q200	1.6 L x 2	C13T43G200	10 L	C13T43G200	10 L
	 Magenta	C13T53Q300	1.6 L x 2	C13T43G300	10 L	C13T43G300	10 L
	 Yellow	C13T53Q400	1.6 L x 2	C13T43G400	10 L	C13T43G400	10 L
	 Black						
	 High Density Black	C13T53Q900	1.6 L x 2	C13T43G100	10 L	C13T43G100	10 L
	 Light Cyan	C13T53Q500	1.6 L x 2			C13T43G500	10 L
	 Light Magenta	C13T53Q600	1.6 L x 2			C13T43G600	10 L
	 Fluorescent Yellow	C13T53Q700	1.6 L x 2			C13T43G700	10 L
	 Fluorescent Pink	C13T53Q800	1.6 L x 2			C13T43G800	10 L
	 Orange	C13T53QA00	1.6 L x 2				
	 Violet	C13T53QD00	1.6 L x 2				
	OPTIONS	Maintenance Box	C13T724000		C13S210071		C13S210071

DTG
PRINTERS

DESCRIPTION		Product Code	Ink Capacity	Product Code	Ink Capacity	Product Code	Ink Capacity
CONSUMABLES (INK)	 Cyan	C13T55F200	250 ml	C13T54Q200	800 ML	C13T48A20N	1.5 L
	 Magenta	C13T55F300	250 ml	C13T54Q300	800 ML	C13T48A30N	1.5 L
	 Yellow	C13T55F400	250 ml	C13T54Q400	800 ML	C13T48A40N	1.5 L
	 Black	C13T55F100	250 ml	C13T54Q100	800 ML	C13T48A10N	1.5 L
	 White	C13T55FA00	250 ml	C13T54QA00	800 ML	C13T48AA0N	1.5 L
	Maintenance Liquid	C13T55FB00	250 ml	C13T54QB00	800 ML	C13T48AB00	1.5 L
	Cleaning Liquid	C13T55G900	250 ml	C13T54R900	800 ML	C13T44A900	1.5 L
	Polyster Pre-treatment Liquid	C13T43R200	18 L	C13T43R200	18 L	C13T43R200	18 L
	Pre-treatment Liquid	C13T43R300	5 L	C13T43R100	20 L	C13T43R100	20 L
		C13T43R100	20 L				
OPTIONS	Maintenance Kit	C13S400215		C13T736200		C13T736200	
	Waste Ink Bottle	N/A		C13T724000		C13S210071	
	Head Cleaning Set	C13S210144		C13S400216		C13S210105	

PRINT APPLICATIONS



Mobile Phone/Tablet Case



Coaster



Cap



T-shirt



Mug



Aluminium Photo Panel



Tote Bag



Hoodie

From printing small-scale novelty items including mugs, masks and smartphone covers to large-scale textile printing such as fast fashion wear and curtains, our textile printers can handle them all, ensuring the best performance and quality that will exceed the highest of expectations with every output.



Fashion Wear



Basketball Jersey



Soft Signage



Hijab



Fluorescent Jersey



Cushion



Scarf



Curtain

EPSON