Epson SureColor SC-S30600 | SC-S50600 | SC-S70600

Professional Signage Production The Way It Should Be

Low Power Consumption

Wide Media Compatibility

Fast and Flexible Operation

Durable and Cost Effective Pigment based Eco-Solvent Ink

Variable Dot Technology for Superior Image Quality and Print Density

Value. Performance. Quality.

How do you re-invent the roll-to-roll solvent printer? You start by utilising over a decade of printer design, while creating a dedicated team of engineers and customers working together to rethink everything. Result? Three unique signage printers focused on value, performance and print quality.

Introducing the all-new Epson® SureColor S-Series

Incorporating our most advanced imaging technology, including our exotic MicroPiezo® TFP® print head designed exclusively for use with our all-new Epson UltraChrome® solvent inks[1], the SureColor S-Series could quite possibly be the most versatile line of signage printers ever developed.

This is the way solvent printing should be.

S

EPSON

SureColor
S70670

KIK ENERGY

64"

64"

S30
4-Colour

Unmatched Value

Capable of producing amazing print quality at print speeds up to 58 square metres per hour[2], the Epson SureColor S30600 utilises some of our most advanced imaging technology — including our MicroPiezo TFP print head, designed exclusively for use with our latest solvent-based inks — Epson UltraChrome GS2[1]. The all-new SureColor S30600 redefines the price-performance equation, delivering unmatched value for any size print shop.

GS2 ULTRACHROME GS2 INK	MAXIMUM MEDIA WIDTH	MAX. INK CAPACITY PER COLOUR	MICROPIEZO TFP PRINT HEAD	HIGH-SPEED DRYER	PRINT SPEEDS[2]	SQ MTR/HR
	64"	700ml	SINGLE	OPTIONAL	High Quality	7.2
					Production	19.0
					Draft	57.6

4 Cartridge / 4 Colour

S50
5-Colour

A Performance Benchmark Has Been Set

Utilising a Dual-Array MicroPiezo TFP print head, the Epson SureColor S50600 is capable of producing everyday outdoor banner signage at print speeds up to 51 square metres per hour[2]. And when combined with our all-new Epson UltraChrome GS2 Inks — including an optional White ink technology — the SureColor S50600 redefines performance. Delivering unmatched everyday print speeds and print flexibility, this could be the most important printer you own.

GS2 ULTRACHROME GS2 INK	MAXIMUM MEDIA WIDTH	MAX. INK CAPACITY PER COLOUR	MICROPIEZO TFP PRINT HEAD	HIGH-SPEED DRYER	PRINT SPEEDS[2]	SQ MTR/HR
	64"	1400ml	DUAL	STANDARD	High Quality	13.0
					Production	26.3
					Draft	91.0

8 Cartridge / 4 Colour + Optional Dual White

S70
10-Colour

Photographic Signage — Reimagined

Capable of producing astonishing print quality at print speeds up to 29 square metres per hour[2], the Epson SureColor S70600 is unmatched in photographic signage output. Utilising our most advanced imaging technology, including our Dual-Array MicroPiezo TFP print head — combined with our all-new Epson UltraChrome GSX 10-colour solvent inks — the SureColor S70600 redefines photographic print quality for virtually any signage, vehicle graphics, or even fine art reproduction applications. If you only had one roll-to-roll printer in your shop — this should be it.

GSX ULTRACHROME GSX INK	MAXIMUM MEDIA WIDTH	MAX. INK CAPACITY PER COLOUR	MICROPIEZO TFP PRINT HEAD	HIGH-SPEED DRYER	PRINT SPEEDS[2]	SQ MTR/HR
	64"	**700ml**	**DUAL**	**OPTIONAL**	Extreme Quality	**13.0**
					High Quality Production	**28.8**
					Banner	**51.1**

8 Cartridge / 8 Colour + Optional White & Metallic

S-Series

Product Comparison Chart

Feature	SureColor S30600	SureColor S50600	SureColor S70600
Printer Width	64-inch (1625.5mm)	64-inch (1625.5mm)	64-inch (1625.5mm)
Print Head Configuration	MicroPiezo TFP	Dual-Array MicroPiezo TFP	Dual-Array MicroPiezo TFP
Ink Technology[1]	Epson UltraChrome GS2	Epson UltraChrome GS2	Epson UltraChrome GSX
Base / Maximum Colour Configuration	4-Colour / 4-Colour	4-Colour / 5-Colour	8-Colour / 10-Colour
Base Colour Configuration	CMYK	CMYK + CMYK	CMYK + Lc + Lm + Lk + Or
Optional Colour Configuration	N.A.	White	White & Metallic Silver
Maximum Ink Capacity	2.8L	6.8L	6.55L
Maximum Outdoor Durability — Unlaminated[3]	3 Years	3 Years	3 Years
Maximum Print Speed[2] — Banner & Scrim	57.60 m2/hr	91.04m2/hr	51.10m2/hr
Maximum Print Speed[2] — Adhesive Vinyl	9.85m2/hr	17.65m2/hr	18.21m2/hr
Maximum Print Speed[2] — White or Metallic	N.A.	6.22m2/hr	2.97m2/hr (Wh) + 3.99m2/hr (Ms)
Additional High-Speed Dryer	Optional	Standard	Standard with 10c Config
Standard Connectivity	USB 2.0 & Gigabit Ethernet	USB 2.0 & Gigabit Ethernet	USB 2.0 & Gigabit Ethernet
Standard Limited Warranty	1-Year On-site	1-Year On-site	1-Year On-site

1   The printer is designed to use only Epson ink cartridges and not other brands of new or refilled cartridges, or other brands of ink or bulk ink systems. Using Epson cartridges is important for reliable performance and high image quality. Epson offers voluntary recycling of spent ink cartridges.

2   All print speeds shown are based upon print engine speed only, in bi-directional mode. Total throughput times depend upon front-end RIP, file size, printer resolution, ink coverage, networking, etc.

3   Three-year durability is an estimate based on accelerated testing by Epson according to ISO 18930, on 3Mᴛᴍ Controltacᴛᴍ IJ180-10 film in a vertical display orientation in simulated outdoor display conditions. Actual durability can vary significantly. The estimate does not include prints made using Orange, White or Metallic Silver inks. EPSON MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AS TO IMAGE DURABILITY ON ANY MEDIA OR IN ANY CONDITIONS. EPSON HAS NO LIABILITY OF ANY KIND FOR FADING OR ANY OTHER CHANGE IN A PRINT NO MATTER HOW DISPLAYED. Some media providers, such as 3M and Avery®, do warrant image durability for; see the provider's website for details.

4   For one printer using the standard ink set in a room of at least 180 m^3 with a minimum ventilation coefficient of 2.2.

5   The print head is a maintenance part which the user is responsible to replace when necessary. However, Epson covers head replacement while the printer is under Epson Warranty (Standard, Extended and Premium). The life of the print head will vary depending on the user's print volume, print patterns and heater temperature for print settings. Doing proper user maintenance of the print head will help prolong its life.

Redefining Solvent Ink Technology

The more you can differentiate yourself from the competition, the better. This is what inspired the development of our latest solvent ink technology — Epson UltraChrome GS2 and Epson UltraChrome GSX. Our chemical engineers improved print speeds by using a faster-drying chemistry, improved outdoor print durability with an improved Yellow, and set a new benchmark for photographic signage by using lighter shades of Cyan, Magenta and Black. And when you add the ability to use White and Metallic Silver to this base ink set, you create a printing solution with unlimited possibilities for making your customers happy.

Epson UltraChrome GSX Ink

It's impossible to explain how amazing the print quality on typical solvent-based media looks with this 10-colour ink set. All we can say is, your customers have never seen their prints look this good.

Epson UltraChrome GS2 Ink

You've never seen colour as brilliant and accurate from a 4-colour ink set. Created using our latest generation of solvent chemistry, it pushes overall print quality to new levels.

+b   L*50

-a   +a

-b
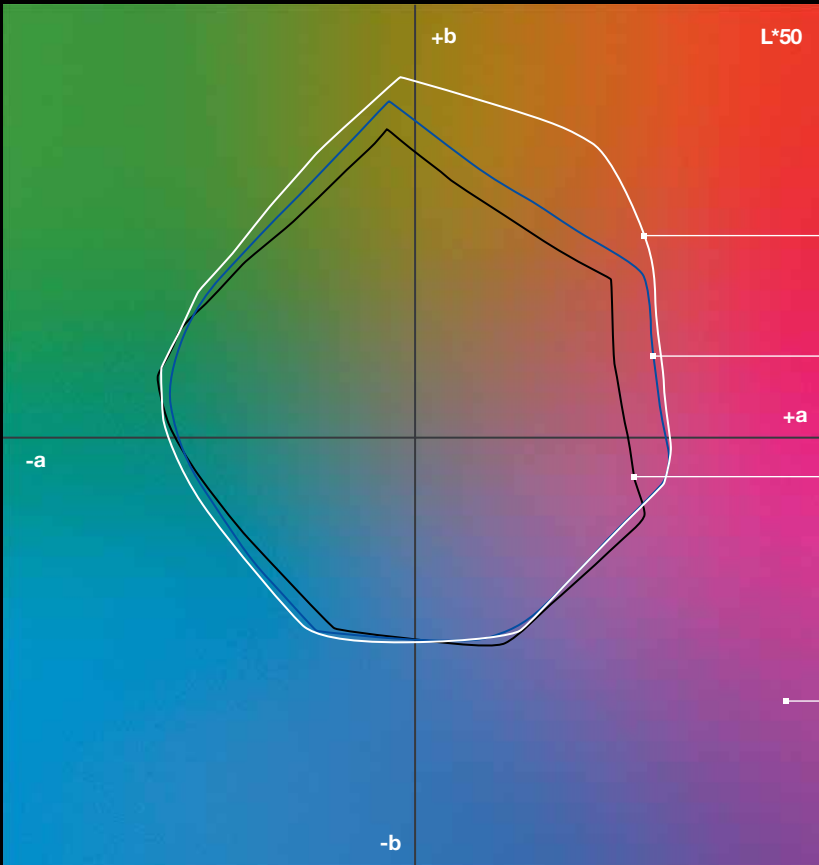
Epson UltraChrome GSX (8-Colour Mode)

Epson UltraChrome GS2 (4-Colour Mode)

Typical Latex or Older Generation Solvents

Extreme Colour Gamut

Whether you're printing using the 4 colours of Epson UltraChrome GS2 or the full 10-colour configuration of Epson UltraChrome GSX, no other form of signage printing can match the overall colour brilliance and accuracy from our latest generation of solvent inks.

Superior Print Durability

We've developed an all-new Yellow solvent ink, significantly improving the overall outdoor durability of prints — up to 3 years without lamination[3].

Media Compatibility

Epson UltraChrome is based upon proven solvent ink chemistry, virtually any roll-based media in your print shop is compatible.

Environmentally Responsible

No special ventilation or air purification is required[4]. Our ink technology meets the chemical requirements for Nordic Swan and contains no Nickel compounds.

GS2

Epson UltraChrome GS2 Ink

New High-density White Ink

Newly-formulated Titanium Dioxide-based chemistry produces up to 3.8 times better opacity than current solvent-based White inks. And with superior drying and a patented formula to reduce sedimentation, this could be the best White ink printing solution available.

Epson UltraChrome GSX Ink

New Orange Ink

Our latest Orange solvent ink significantly increases the overall colour gamut, allowing you to print critical brand and spot colours accurately.

New Metallic Silver Ink

An all-new Small Particle Aluminum Technology allows the SureColor S70600 to produce true metallic prints in virtually any colour. Just imagine what your print shop could do with such a unique printing technology.

New Light Black Ink

We've developed a lighter shade of Black, significantly improving the overall grey and colour balance of prints, while dramatically reducing metamerism.

Epson HTM Halftoning Module

An advanced form of dot placement produces levels of photographic print quality beyond any other form of sign printing. And capable of producing some of the world's most demanding fine art reproductions.

Advanced Printer Technology

You just know when something is manufactured correctly. The overall build quality. How it sounds. How you interact with it. But it's what you don't see that makes the SureColor S-Series remarkable. Every printer is assembled by hand, utilising some of the most advanced technologies available — including an all-new robotic welding process that allows Epson to eliminate several hundred bolts from the core printer frame. Not only does this yield incredibly precise parts with zero deformation, but it stiffens the base structure of the printer to eliminate vibration during the printing process.

This could be the most advanced printer ever designed.

Superior Precision and Detail

Capable of producing extremely fine ink droplets, as small as 4.2 picoliters up to an amazing 1440 x 1440 dpi, the S-Series produces superior text and vector imaging like nothing else on the market today.

Epson MicroPiezo TFP Print Head

Developed to outperform our previous generation of print head technology, Epson MicroPiezo TFP can produce significantly better quality prints, both faster and more reliably, than virtually any other form of solvent-based imaging[5].

Enhanced Variable Droplet Technology as small as 4.2 picoliters

Unique coating technology reduces the possibility of a nozzle clog

## Auto Head Alignment and Cleaning

A built-in LED sensor can automatically align all colour channels quickly and accurately. In addition, the LED sensor can automatically detect and clean any clogged or partially clogged ink nozzles.

Print Head Redundancy

If a print head should ever fail, the Epson SureColor S50600 and S70600 can continue to operate on a single print head until proper maintenance can be done. This dramatically minimises downtime.

Automatic Print Head Strike Detection

Due to the extreme print speeds of the Epson SureColor S50600, this model is capable of sensing a head strike during printing and warning the operator, reducing downtime and wasted media.

Head Strike Sensor

Print Head

Print Media

Media Buckle
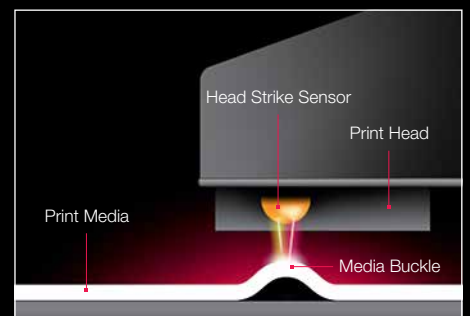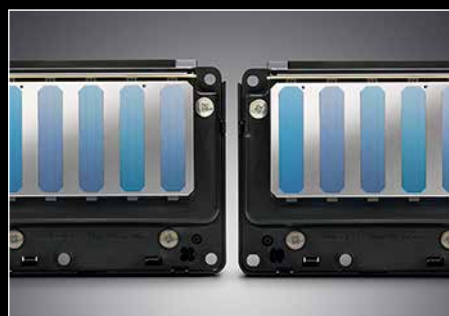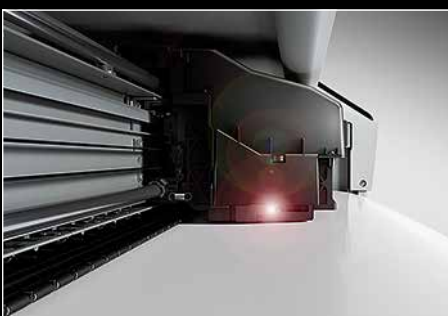
Gigabit Ethernet and USB 2.0

Dual Standard 240 V
Power Compatibility

Precision Media Handling
Fully motorized media handling with
sensor-based Auto Media Tension
Control, resulting in media feed
accuracy of about 0.4 mm over a
50 metre print — superior print
quality without media recalibration.

Fully Motorized Take-up Reel
with Media Tension Control
(Supports wind-in or wind-out)

Easy to Operate
A new full-colour LCD front control panel provides
quick access to important printer functions. With
smart media and ink cartridge locations, this could
be the simplest printer to operate in your shop.

Optional High-speed Dryer
Standard on the Epson SureColor S50600 and the
10c S70600, this integrated print dryer is a great
option for other models and configurations used
in high speed production environments and when
producing output with heavy ink requirements.

Optional High-capacity Roll Support
Optional on all of the S-Series printers, this system
supports heavy media rolls up to 80Kg with an
outer roll diameter of 300mm, the highest in its class.
The perfect solution for longer, unattended printing.

Feature	Description
Dimensions and Weight	S30600 | 2620 x 1260 x 1311 mm (WxDxH) | 219Kg S50600 | 2620 x 1260 x 1311 mm (WxDxH) | 238Kg S70600 | 2620 x 1260 x 1311 mm (WxDxH) | 229Kg (238Kg for 10c config) Dimensions and weight include printer stand and take-up reel
Printer Interfaces	Includes as standard one Hi-Speed USB 2.0 (1.1 compatible) and one Gigabit Ethernet port (10/100/1000Base-T)
RIP Compatibility	Works with most mainstream RIP software (see www.epson.com.au/prographics for details)
Media Handling	Media input – Single roll-to-roll 304.8 - 1625.6mm wide | Cut-sheet size – 431.8 x 558.8 up to 1625.6mm wide | Media core compatibility – Handles 2" and 3" cored media | Max. roll media diameter – Up to 249mm and 40Kg | Weight – Up to 1 mm thick media | Manual head height – 1.5, 2.0 or 2.5 mm | Media tension settings – Electronically controlled, adjustable | Roll media take-up reel – Fully automatic wind-in or wind-out with tension bar | Optional Heavy Duty Roll media system – Supports up to 80Kg input weight
Epson Intelligent Ink Cartridges	Cartridge fill volume – 700 ml each colour | 600 ml each White | 350 ml each Metallic Silver | Ink cartridge shelf life (recommended) – 2 years from printed production date or 6 months after open
Safety Standards and EMI	UL (MET), FCC (Class A), CSA, TSCA, OSHA, CE, and EMC
Electrical Requirements	Voltage: AC 100 – 120 V, AC 200 – 240 V | Frequency: 50 – 60 Hz | Current: 20 A at AC 110 – 120 V or 10 A at AC 200 – 240 V | Requires 2 power outlets | Maximum power consumption: Approx. 2640 W | Operating – Less than 800 W | Sleep – Less than 12 W | Power Off – Less than 0.6 W
Optional Accessories	**Heavy Roll Media System**: Supports up to 80Kg | Up to 300mm diameter roll | Included in all HD Edition printers | **Optional Print Dryer**: Fan-based drying system | Requires additional power outlet and 1 A at AC 110-120 V or 0.5 A at AC 200 – 240 V | Operating power consumption – Uses less than 45 W | Included with SC-S50600 and the 10c config of SC-S70600
Warranty and Service	Standard one-year, on-site, limited warranty | Optional three-year on-site and three-year on-site with preventative maintenance

The Art of Performance.

Better Products for a Better Future

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EXCEED YOUR VISION