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## Epson SureColor SC-S80600 - 64"

**ENLARGE IMAGE**

**Large Format Printers**

**High Quality Signage Production**

**Where to Buy**

**Printer Friendly Specs**

### Overview

The SureColor Solvent 80600 is designed to produce flexible high-value signage quickly, easily and at minimum cost. It suits a variable workflow with low to medium production volumes. It can be used with a wide range of media including paper, canvas, film & vinyl. It suits an extended range of applications including large format photo & image printing, high-value high-impact indoor POS, durable outdoor signage, back-lit displays, window decorations, banners, vehicle wraps, wallpapers, surface finishes & labels.

The SC-S80600 incorporates Epson's latest PrecisionCore print head and UltraChrome Eco-Solvent ink technology. It produces durable prints that are bright and glossy with an unparalleled colour gamut. It is designed to produce premium quality output, using minimum ink, with simple operation, and fast job completion. Prints dry quickly and machines require minimum maintenance. Ink has a low odour to enable operation in a wide range of commercial, business and office environments.

FEATURES AT A GLANCE

- Superior Performance – Produce output quickly with DUAL Print Heads, an extended 9 colour ink set, optional White or Metal ink.
- Superior Media Support – Supports Paper, Canvas, Vinyl and Film stocks, in widths up to 1626mm and thicknesses up to 1mm, in rolls up to 45Kg & 250mm in diameter.
- Superior Colour – 9 cartridge Epson UltraChrome GS3 ink enables prints with high gloss and a colour gamut **PANTONE certified at up to 98%******. Can also be configured with additional White or Metallic ink.
- Superior Print Quality – Latest PrecisionCore Printhead, new UltraChrome GS3 ink, improved MicroWeave & LUT, self-agitating ink lines, improved paper path with upgraded feed management and a new Advanced Auto Tension Control System
- Superior Integration – Compact design with flexible networking, suits installation in a wide variety of operational environments, runs off a standard 240V power supply, and can be driven by a variety of **3rd party RIP applications**.
- Simpler & Easier to Use – Can be loaded by a single operator with Auto Media Set-Up and Skew Correction, new See-Through Platen Cover with Integrated Lighting, upgraded Control Panel and new Epson Control Dashboard management software.
- Reduced Maintenance – New Self Cleaning Printhead and Air Circulation system with mist extraction.
- Reduced Production Costs – Uses new low cost 700ml ink cartridges with Reduced Ink & Power Consumption, ships with an Integrated Auto Take-Up and Drying Unit, supports Remote Management, Remote Auto Status & Error Reporting.
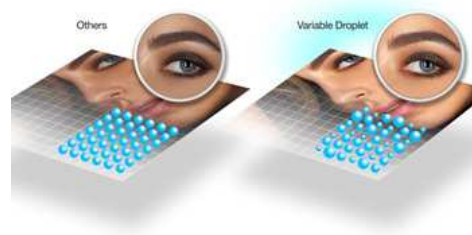- Increased Durability – Features a Strengthened Chassis and a new Printhead Guard, backed by a Comprehensive 1 year Warranty with Optional Cover that can be extended up to a total of FIVE YEARS.
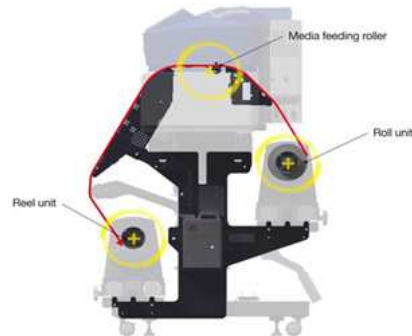
Superior Quality & Consistency

The SC-S80600 incorporates Epson's latest PrecisionCore print heads. The heads employ Variable Sized Dot Technology (VSDT) to enable drops as small as 4.2pl for smooth colour gradation with optimum ink application. While competing head technologies use heat to form droplets, Epson employs a patented MicroPeizo operation that is kinder on the ink for superior colour accuracy while also enabling extended head durability. The heads are driven by Epson Precision Dot Technology with an upgraded LUT & upgraded
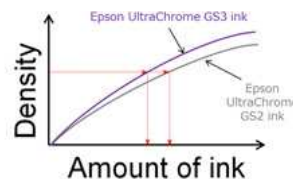
Half Tone Module for images with higher contrast and reduced grain. A new Control Dashboard application provides access to a library of optimised settings for common media types while new print modes provide superior results with special and custom substrates.** Additional new MicroWeave patterns enable output with higher uniformity and reduced banding at lower pass rates.

The printer features a strengthened chassis that is robot assembled and laser welded for extreme parallelism. It features inbuilt levels to enable easier installation and increased adjustment to cope with uneven flooring. A new 'Closed Mushroom' paper path has been implemented in conjunction with an enhanced Media Feed System for superior tracking. The feed system features upgraded rollers and a new Advanced Auto Tension Control (ad-ATC) which intelligently and actively manages the various feed motors. The potential for media wandering and head crashes has been reduced while linearity and take-up accuracy has been improved. Print is more consistent, off-line processing is easier, and output can be produced for tiling applications.

The printer uses new Eco-Solvent UltraChrome GS3 ink. The ink features a revised formulation with significantly increased gloss levels for superior 'punch' and has increased pigment density for brighter prints with reduced consumption. The S80600 works with an expanded ink set that includes additional Light Cyan, Light Magenta, Light Black, Orange and a new Red that combine to enable prints with an unparalleled gamut, outstanding tone and colour depth. The printer can also be used with optional White ink for specialist film applications and Metal for high value POS. The 9c ink set has an un-laminated outdoor lightfastness rating of 3 years and is Nickel Free with a low VOC for minimum odour. Printers are suitable for installation and operation within a wide variety of environments including factories, shops, air-conditioned offices and design studios*.

Simpler & Faster Operation

The SC-S80600 has been designed for fast and flexible ad-hoc production. It will output on vinyl, canvas, clear film, photographic paper and banner substrates in widths up to 64-inch (162.6cm). Single operator media loading is enabled with an integrated easy lifter and a platen release that is accessible from the rear. The printer provides faster job turnaround with Auto Media Setting, Auto Skew correction, improved production speeds, and quicker drying.** With low and/or variable production volumes signage printers traditionally suffer from pigment settling in the ink lines. This model features in-line flow regulators which act to re-agitate the ink before it passes to the print head to ensure more accurate and consistent colour density.
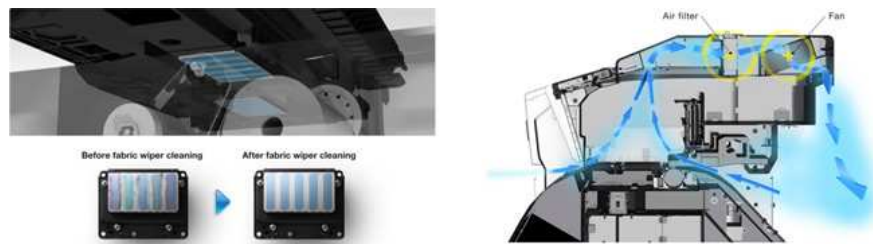
The printer features a new see-through platen with integrated lighting to enable direct progress monitoring. It ships with new Epson Control Dashboard software that enables remote configuration and management. The software supports up to 4 printers and provides access to interactive user manuals, tutorials, firmware updates, media & print settings. The printer ships complete with an Auto Take-Up for continuous roll-to-roll production and can be configured to transmit status and error updates via e-mail.

Easier Maintenance and Lower Running Costs

The SC-S80600 has been designed to address the increasingly competitive nature of the signage market. It provides superior and more consistent output with faster job turnaround, reduced downtime and lower production costs. It features a new printheads guard. The guard protects against media crashes while collecting dust that may

otherwise spoil prints with smudges and miscellaneous ink drops. The printer incorporates a new Automatic Head Cleaning System that periodically engages a Fabric Wiper to remove ink build up from the head and fluff build up from the guard. It also incorporates a new air circulation system that removes airborne dust and ink particles, collecting them in filters that are replaced every 3 to 6 months (along with the Fabric Wiper). Less print wastage occurs and there is a significant reduction in the amount of manual cleaning and maintenance.



The printer confirms Epson's corporate directive for cost effective and durable operation with minimum environmental impact. It consumes Less Power and Less Ink is used to produce Superior Quality Print. Its uses a DUAL set of 700ml ink cartridges that are also cheaper to purchase. Printers purchased in Australia & New Zealand are backed with a comprehensive service and support program with flexible 'heads-'n all' cover that can be extended out to a total of FIVE YEARS.***



*Operation within an office or studio environment requires air-conditioning with a high air flow. This print durability statement is an estimate only, based on accelerated testing by Epson in a vertical display orientation in simulated outdoor display conditions in accordance with ISO standard 18930 (see www.iso.org for further detail). It applies to the 9c set only with White ink rated for 1 year & Metallic Silver for 3 weeks (based on gloss level reduction). Ultra violet radiation, temperature, humidity and pollution (eg NOX) all have a significant impact on durability. Actual durability will depend on a wide variety of factors, including media type, print mode, ink level, installation location and orientation. **Epson does not provide a warranty on print durability and accepts no liability for fading or any other change in a colour, quality or gloss.** When selecting media, Epson recommends checking with the supplier for ink compatibility, application suitability, and print durability. Some suppliers, such as 3M® and Avery®, offer a warranty on image durability with customers directed to consult the relevant provider websites for details.

**The system ships pre-loaded with generic settings for the major media types. Media specific settings are available for download through Epson Control Dashboard. While the library is extensive and growing users should not expect all media types and variants to be covered. Due to the nature of some media types full automatic setting is not always possible and Auto Skew correction cannot be used on Film.

***Printers ship with a comprehensive twelve month on-site warranty. Parts and labour coverage can be extended using one or more Epson CoverPlus 1 and 2 year packages up to a total maximum total of 5 years (including the initial 12 months). All cover is conditional with customers directed to read our **Warranty Terms and Conditions** prior to Purchase.

**** Rated 98.2% Pantone® on ILFORD Nano Solvent Premium Photo Paper Gloss at 1440x1440dpi 36pass and 96.5% on Avery MPI1105 at 1440x1440dpi 36pass. Results in different print modes and on different media may vary.

## Specification

### SIZE

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|---|---|
| Max Media Width | 64 inch |

### PRINT TECHNOLOGY

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|---|---|
| Print Head | DUAL PrecisionCore TFP with VSDT & Integrated Headguard |
| Print Operation | Auto Head Alignment, Nozzle Check, Head-Cleaning, Media Setting & Skew Control |
| Print Modes | Uni & Bi-directional |
| Nozzle Configuration | 360 x 2 per colour per head |
| Maximum resolution | 1440dpi x 1440dpi |
| Minimum Ink Droplet Size | 4.2pl |

### INK TECHNOLOGY

| | |
|---|---|
| Ink Type | Pigment based Solvent |
| Ink Family | Epson Ultrachrome® GS3 & GS3+RED |
| Colours | C, M, Y, K, Lc, Lm, Lk, Or, Rd + (optional) Wht or Mtl |
| Cartridge Capacity | 9 x 700ml + optional 1 x (600ml Wht or 350ml Mtl) |

### PERFORMANCE

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|---|---|---|
| Max Speed (9c) | 95.1m²/hr | (360 x 360dpi 1 pass) |
| Billboard Production (9c) | 52.3m²/hr | (360 x 720dpi 2 pass) |
| Banner High Speed (9c) | 31.6m²/hr | (720 x 720dpi 4 pass HS) |
| Banner Production (9c) | 18.2m²/hr | (720 x 720dpi 6 pass) |
| Vinyl, Canvas & Paper Production (9c) | 13.2m²/hr | (720 x 720dpi 8 pass) |
| + White (1 Layer) | 12.5m²/hr | (720 x 720dpi 8 pass) |
| + White (2 Layer) | 3.5m²/hr | (720 x 1440dpi 32 pass) |
| + Metal (1 Layer) | 4.2m²/hr | (720 x 1440dpi 20 pass) |
| + Metal (2 Layer) | 1.9m²/hr | (720 x 1440dpi 40 pass) |
| Film Production (9c) | 6.8m²/hr | (720 x 1440dpi 16 pass) |
| + White (1 Layer) | 6.8m²/hr | (720 x 1440dpi 16 pass) |
| + White (2 Layer) | 3.5m²/hr | (720 x 1440dpi 32 pass) |
| + Metal (1 Layer) | 4.2m²/hr | (720 x 1440dpi 20 pass) |
| + Metal (2 Layer) | 1.9m²/hr | (720 x 1440dpi 40 pass) |

*Figures are based on print speed only and do not include provision for image processing time or transmission. Not all print modes are supported by all media and /or RIP software with individual results subject to variation due to a variety of operational, environmental and image specific factors.*

### MEDIA SUPPORT

| | |
|---|---|
| Input Format | Single Roll with 2" or 3" core, 250mm max outer diameter & 45kg max weight |

| | |
|---|---|
| Sizing | 300 to 1626mm wide, 500mm min length, 1mm max thickness |
| Minimum Print Margins | 5 mm left & right (10mm with guides) |
| Platen Gap | 1.6/2.0/2.5mm |
| Heater Settings | 30° to 50° C Pre & Platen, 30° to 55° C After (all three heaters individually adjustable) |
| Dryer Settings | On/Off/Auto |
| Output Format | Single sheet (manual cut)<br>Roll (integrated ATU supports 2" or 3" core with 200mm max outer diameter) |

**OPERATION**

| | |
|---|---|
| Control Software | Epson Control Dashboard, Epson Communication Driver, Epson LFP Remote Panel 2, Epson NetConfig, Epson NetSetup, Epson NetPrint, Epson Software Updater |
| Control Panel | 2.7" Colour LCD |
| RIP Compatibility | Supports **major applications** |
| Interface | High Speed USB 2.0 & Ethernet 100Base-T/1000Base-T |
| Memory | Main: 2GB, Network: 128 MB |
| Operational Temp | 15° to 35° C (20-32° C recommended) |
| Operational Humidity | 20 to 80% (40 to 60% recommended) |
| Typical Energy Use | 650W Operating / 380W Ready/ 14W Sleep |
| Power Supply | 2 x 100-240V 5A 50-60 Hz AC, 2640W Max Peak |
| Operating Noise | 59dB |

**PHYSICAL**

| | | |
|---|---|---|
| Printer Dimensions & Weight | 2,620 x 1,338 x 880 mm (WxHxD), 284Kg | |
| Recommended Operational Space | 3,620 x 1,771 x 2,740 mm | |
| Packaging Details (WxHxD) | 1 x Head Unit | 3,170 x 1021 x 1100 mm, 406Kg |
| | 1 x Media Supply System | 3,100 x 607 x 1064 mm, 82Kg |
| | 1 x Starter Ink & Media Pack | 1,550 x 350 x 350 mm, 35Kg (approx.) |
| | (Optional) Print Drying System | 1,987 x 232 x 363 mm, 15Kg |

**WHAT'S IN THE BOX**

Printer, Media Supply System (with Stand, Feed and Auto Take-Up), power cables, control software & user manuals (on CD), 1 x user maintenance kit, 1 x reusable waste tank, set-up guide, 10 x cleaning carts*, 1 x ink set (9x 700ml)* & 1 x roll of 54" Epson Poster Paper*

*A significant proportion of the ink and cleaning carts will be used during the set-up process to clean & prime ink lines, a small amount of media may also be used to undertake an initial print sample. If 10c configuration is required an additional White OR Metal ink cart should be ordered (it is also recommended that the optional Print Drying System also be ordered)*

**CONFIGURATION OPTIONS**

| | |
|---|---|
| SCS806001YR | Printer with 1 Year On-Site Warranty |
| SCS806003YR | Printer with 1Yr Std On-Site Wty + 1 x 2Yr On-Site CoverPlus Service Pack = Total 3 Yrs Cover |
| SCS806005YR | Printer with 1Yr Std On-Site Wty + 2 x 2Yr On-Site CoverPlus Service Packs = Total 5 Yrs Cover |
| | **Epson Warranty Details** |

**OPTIONAL ACCESSORIES**

| | |
|---|---|
| 1YWSCS80600 | 1 Year On-Site CoverPlus Service Pack (Coverage available up to a total of 5 years) |
| 2YWSCS80600 | 2 Year On-Site CoverPlus Service Pack (Coverage available up to a total of 5 years) |

**RELATED PRODUCTS**

| | |
|---|---|
| **SC-S40600** | Medium Volume Signage Production |
| **SC-S60600** | High Quality Signage Production |

**Usage Conditions**

Epson products are designed to give highly reliable use and long life when used according to specifications. With any product or device used in situations where human life may be involved or at risk, Epson advises that you should take all necessary steps to ensure the suitability of your Epson product for inclusion in your system, and recommends that you include fail-safe procedures and redundancy support or backup equipment in your system, to maintain the maximum safety margin and optimum system reliability. Examples include but are not limited to – do not interfere with any electrical components within the device,do not use items supplied with the product for purposes other than as intended by Epson (ie mains cords, inks, CDs, plastic wrapping), do not make modifications to the product, take care with the use of 3rd party consumables, consult Epson if you have any questions or concerns.

## Consumables

| INK CARTRIDGES | PRODUCT CODE |
|---|---|
| **Epson UltraChrome GS3 700ml Black Solvent Ink Cartridge** | C13T833192 |
| **Epson UltraChrome GS3 700ml Cyan Solvent Ink Cartridge** | C13T833292 |
| **Epson UltraChrome GS3 700ml Magenta Solvent Ink Cartridge** | C13T833392 |
| **Epson UltraChrome GS3 700ml Yellow Solvent Ink Cartridge** | C13T833492 |
| **UltraChrome GS3+RED 350ml Metal Solvent Ink Cart** | C13T833B92 |
| **UltraChrome GS3+RED 600ml White Solvent Ink Cart** | C13T833A92 |
| **UltraChrome GS3+RED 700ml Light Black Solvent Ink Cart** | C13T833792 |
| **UltraChrome GS3+RED 700ml Light Cyan Solvent Ink Cart** | C13T833592 |
| **UltraChrome GS3+RED 700ml Light Magenta Solvent Ink Cart** | C13T833692 |
| **UltraChrome GS3+RED 700ml Orange Solvent Ink Cart** | C13T833892 |
| **UltraChrome GS3+RED 700ml Red Solvent Ink Cart** | C13T833992 |

| LARGE FORMAT PAPERS | PRODUCT CODE |
|---|---|
| **Epson GS Canvas Satin 30" Roll Media** | C13S045316 |
| **Epson GS Canvas Satin 54" Roll Media** | C13S045317 |

| | |
|---|---|
| **Epson GS Canvas Satin 60" Roll Media** | C13S045318 |
| **Epson GS Canvas Glossy 24" Roll Media** | S045103 |
| **Epson GS Canvas Glossy 36" Roll Media** | S045104 |
| **Epson GS Canvas Glossy 54" Roll Media** | S045105 |
| **Epson GS Canvas Glossy 60" Roll Media** | S045106 |
| **Epson GS Poster Paper 30" Roll Media** | S045231 |
| **Epson GS Poster Paper 54" Roll Media** | S045232 |
| **Epson GS Poster Paper 60" Roll Media** | S045233 |
| **Epson GS DisplayTrans™ Backlight Film 30" Roll Media** | S045339 |
| **Epson GS DisplayTrans™ Backlight Film 54" Roll Media** | S045340 |
| **Epson GS DisplayTrans™ Backlight Film 60" Roll Media** | S045341 |

| **LARGEFORMATOPTIONS** | **PRODUCT CODE** |
|---|---|
| **Replacement SureColor-S/F Waste Ink Bottle** | C13T724000 |
| **SureColor-S Maintenance Kit** | C13T724100 |
| **Manual Head Wiper** | C13S090012 |
| **SureColor-S/F/P Cleaning Sticks** | C13S090013 |
| **Replacement SureColor-S/F Flushing Pads** | C13S090014 |
| **SureColor-S Maintenance Parts Kit** | C13S210044 |
| **Manual Head Wiper Kit** | C13S090015 |
| **Carriage Rod Greasing Kit** | C13S210036 |
| **Optional Print Drying System** | C12C932381 |
| **Replacement Media Holding Plate V3** | C12C932411 |
| **350ml UltraChrome GS3 Cleaning Cartridge** | C13T833092 |
| **250ml SureColor-S Ink Cleaner** | C13T699392 |