**EPSON®**

EXCEED YOUR VISION

# S

Epson SureColor S30670

Epson SureColor S50670

Epson SureColor S70670

S

# Value. Performance. Quality.

How do you re-invent the roll-to-roll solvent printer? You start by utilizing over a decade of printer design, while creating a dedicated team of engineers and customers working together to rethink everything. The 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, 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.

64"

# S30
### 4-Color

# S50
### 5-Color

# S70
### 10-Color

# S-Series
### Product Comparison Chart

| Feature | SureColor S30670 | SureColor S50670 | SureColor S70670 |
|---|---|---|---|
| Printer Width | 64-inch | 64-inch | 64-inch |
| 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 Color Configuration | 4-Color / 4-Color | 4-Color / 5-Color | 8-Color / 10-Color |
| Base Color Configuration | CMYK | CMYK + CMYK | CMYK + Lc + Lm + Lk + Or |
| Optional Color Configuration | N.A. | White | White & Metallic Silver |
| Maximum Ink Capacity per Color | 700 ml | 1400 ml | 700 ml |
| Maximum Outdoor Durability — Unlaminated[3] | 3 Years | 3 Years | 3 Years |
| Maximum Print Speed[2] — Banner & Scrim | 620 ft²/hr | 980 ft²/hr | 550 ft²/hr |
| Maximum Print Speed[2] — Adhesive Vinyl | 106 ft²/hr | 190 ft²/hr | 196 ft²/hr |
| Maximum Print Speed[2] — White or Metallic | N.A. | 67 ft²/hr | 32 ft²/hr (W) + 43 ft²/hr (MS) |
| Additional High-Speed Dryer | Optional | Standard | Optional |
| 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 |

## Unmatched Value

Capable of producing amazing print quality at print speeds up to 620 square feet per hour[2], the Epson SureColor S30670 utilizes some of our most advanced imaging technology — including our exotic MicroPiezo TFP print head, designed exclusively for use with our latest solvent-based inks — Epson UltraChrome GS2[1]. The all-new SureColor S30670 redefines the price-performance equation, delivering unmatched value for any size print shop.

## A Performance Benchmark Has Been Set

Utilizing a Dual-Array MicroPiezo TFP print head, the Epson SureColor S50670 is capable of producing everyday outdoor banner signage at print speeds up to 550 square feet per hour[2]. And when combined with our all-new Epson UltraChrome GS2 Inks — including an optional White ink technology — the SureColor S50670 redefines performance. Delivering unmatched everyday print speeds and print flexibility, this could be the most important printer you own.

## Photographic Signage — Reimagined

Capable of producing astonishing print quality at print speeds up to 288 square feet per hour[2], the Epson SureColor S70670 is unmatched in photographic signage output. Utilizing our most advanced imaging technology, including our Dual-Array MicroPiezo TFP print head — combined with our all-new Epson UltraChrome GSX 10-color solvent inks — the SureColor S70670 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.

### GS2 ULTRACHROME GS2 INK

| MAXIMUM MEDIA WIDTH | MAX. INK CAPACITY PER COLOR | MICROPIEZO TFP PRINT HEAD | HIGH-SPEED DRYER | PRINT SPEEDS[2] | SQ FT/HR |
|---|---|---|---|---|---|
| 64" | 700 ml | SINGLE | OPTIONAL | High Quality | 78 |
| | | | | Production | 205 |
| | | | | Draft | 620 |

4 Colors Standard / 4 Colors Maximum

### GS2 ULTRACHROME GS2 INK

| MAXIMUM MEDIA WIDTH | MAX. INK CAPACITY PER COLOR | MICROPIEZO TFP PRINT HEAD | HIGH-SPEED DRYER | PRINT SPEEDS[2] | SQ FT/HR |
|---|---|---|---|---|---|
| 64" | 1400 ml | DUAL | STANDARD | High Quality | 140 |
| | | | | Production | 283 |
| | | | | Draft | 980 |

4 Colors Standard / 5 Colors Maximum + Optional

### GSX ULTRACHROME GSX INK

| MAXIMUM MEDIA WIDTH | MAX. INK CAPACITY PER COLOR | MICROPIEZO TFP PRINT HEAD | HIGH-SPEED DRYER | PRINT SPEEDS[2] | SQ FT/HR |
|---|---|---|---|---|---|
| 64" | 700 ml | DUAL | OPTIONAL | Extreme Quality | 140 |
| | | | | High Quality Production | 288 |
| | | | | Banner | 550 |

8 Colors Standard / 10 Colors Maximum + Optional

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 3M™ Controltac™ 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 MERCHANABILITY 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 these Epson printers; see the provider's website for details. See promaging.epson.com for Epson tips on enhancing durability.

4  For one printer using the standard ink set in a room of at least 180 m³ with a minimum ventilation coefficient of 2.2. For more information, see the MSDS sheets at promaging.epson.com
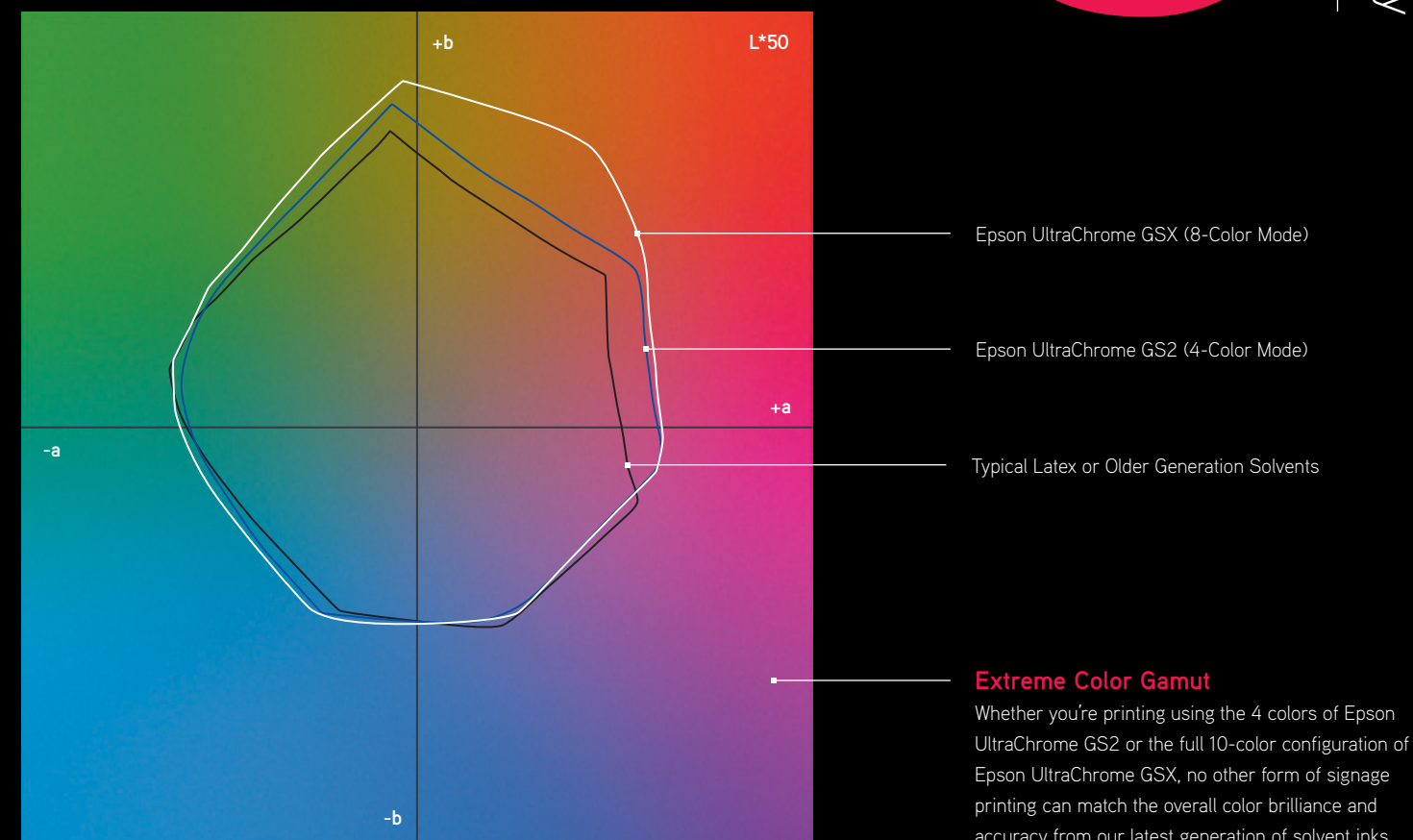
5  The print head is a maintenance part which the user is responsible to replace when necessary. However, Epson covers head replacement while the printer is under the Epson Preferred™ Limited Warranty and under any Preferred Plus Plan (limited or unlimited number of head replacements, depending on the Preferred Plus Plan purchased). 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.

# S

# 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.

Prepare to be amazed.



Epson UltraChrome GSX (8-Color Mode)

Epson UltraChrome GS2 (4-Color Mode)

Typical Latex or Older Generation Solvents

### Extreme Color Gamut

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

### Epson UltraChrome GS2 Ink

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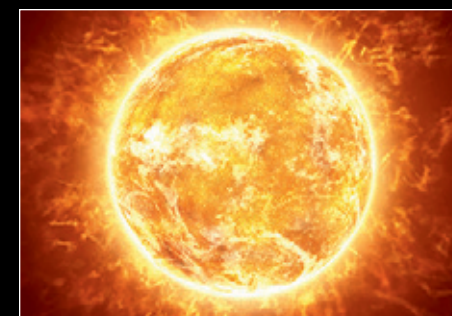
### Epson UltraChrome GSX Ink

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

### 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].
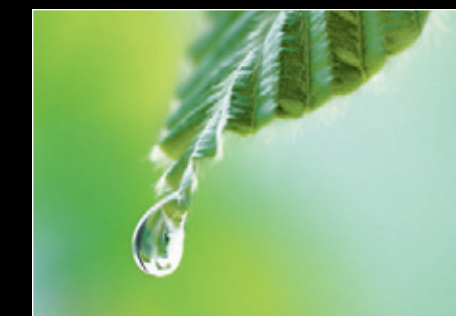
### Media Compatibility

Because 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. Now that's being responsible.

# GS2
4-Color

Epson UltraChrome GS2 Ink

# GSX
10-Color

Epson UltraChrome GSX Ink

## New Orange Ink

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

## 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.

## New Metallic Silver Ink

An all-new Small Particle Aluminum Technology allows the SureColor S70670 to produce true metallic prints in virtually any color. 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 gray and color balance of prints, while dramatically reducing metamerism.

## AccuPhoto™ GS2 Screening

By taking advantage of the MicroPiezo TFP print head, this new 4-color screening technology can produce outstanding prints, previously only possible from 6-color printers.

## AccuPhoto GSX Screening

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.

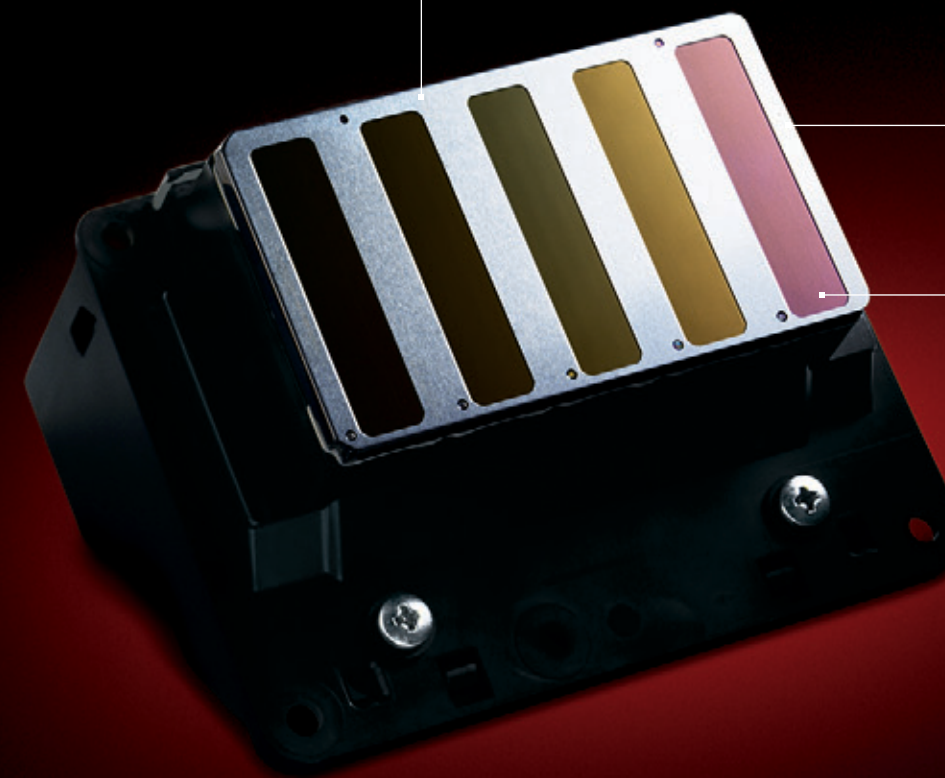LONG BEACH AUTO SHOW
— COMING SOON —

SUMMER SALE 50

# 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, utilizing 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.

## 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

## 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.
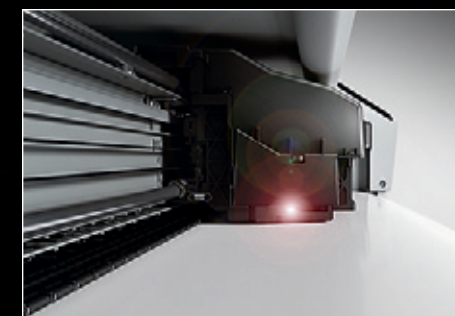
## Powered by Onyx

Every SureColor S-Series comes with a copy of ONYX GamaPrint™ Pro, including support for sizing, cropping, tiling, and nesting. It even includes robust ICC color management with the ability to recalibrate.
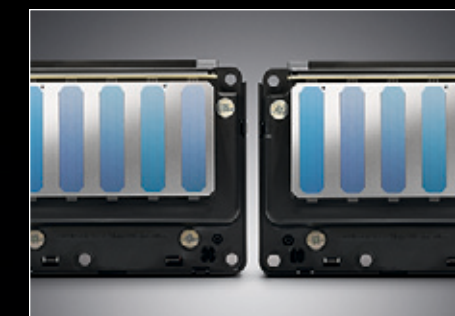
## Auto Head Alignment and Cleaning

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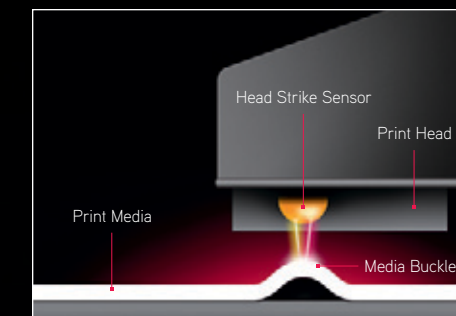
## Print Head Redundancy

If a print head should ever fail, the Epson SureColor S50670 and S70670 can continue to operate on a single print head until proper maintenance can be done. This dramatically minimizes downtime.

## Automatic Print Head Strike Detection

Due to the extreme print speeds of the Epson SureColor S50670, 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 110 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 meter print — superior print quality without media recalibration.

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

| Feature | Description |
| --- | --- |
| Dimensions and Weight | SC-S30670  |  106" (W) x 50" (D) x 41" (H)  |  483 lb<br>SC-S50670  |  106" (W) x 50" (D) x 41" (H)  |  525 lb<br>SC-S70670  |  106" (W) x 50" (D) x 41" (H)  |  505 lb<br>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 Workflow by Onyx | Standard PANTONE® licensed Postscript Language Level 3 Compatible RIP by Onyx. A complete workflow software with layout, nesting, tiling, custom spot color management and custom media support with over 100 profiles included.<br>The Epson SureColor S-Series printers are supported by most leading third-party RIPs and workflows. |
| Onyx RIP Requirements | **Server Workstation:**  Windows Vista® or Windows® XP (32-bit)  |  2.8 GHz Intel® Core 2 Duo or better  |  4GB memory recommended<br>**Client Workstation(s):**  Macintosh® 10.5x or higher  |  Windows Vista or Windows XP (32- or 64-bit) |
| Media Handling | Media input – Single roll-to-roll 12" up to 64" wide  |  Cut-sheet size – 17" x 22" up to 64" wide  |  Media core compatibility – Handles 2" and 3" cored media  |  Max. roll media diameter – Up to 9.8" and 90 lb  |  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 175 lb input weight |
| Epson Intelligent Ink Cartridges | Cartridge fill volume – 700 ml each color  |  600 ml each White  |  350 ml each Metallic Silver  |<br>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 175 lb  |  Up to 11.8" diameter roll  |  Included in all HD Edition printers  |<br>**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 all SC-S50670 printers |
| Warranty and Service | Standard one-year, on-site, limited warranty and usually next-business-day service with toll-free phone support Monday through Friday  |  Optional extended Epson Preferred Plus service programs available for purchase |

### Easy to Operate

A new full-color 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 S50670, this integrated print dryer is a great option for SureColor S70670 printers doing a lot of White or Metallic printing. It's rarely needed for the SureColor S30670.

### Optional High-capacity Roll Support

Optional on all of the S-Series printers, this system supports heavy media rolls up to 175 lb with an outer roll diameter of 11.8 inches, the highest in its class. The perfect solution for longer, unattended printing.

The Art of Performance.

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