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# Specifications

## Base Printing Technology

- Advanced PrecisionCore TFP Print Head<sup>A</sup>
- 10-channel, drop-on-demand, ink jet head
- 11-cartridge (C, M, Y, K, LC, LM, LK, Or, R with optional WT or MS)
- Epson UltraChrome GS3 ink
- Professional-level solvent-based ink technology



## Printer Nozzle Configuration

Color and Monochrome 720 nozzles per Color  
Smallest droplet size is 4.2 picoliters

## Resolution

1440 x 1440 dpi; 1440 x 720 dpi;  
720 x 720 dpi; 720 x 360 dpi

## Dimensions

**Printer (includes printer, stand, take-in & take-up)**  
  
103"(W) x 34"(D) x 53"(H)  
Printer weight: 635 lbs

## Print Engine Speeds

Print speeds currently under testing - coming soon

## Media Handling

Media input	Single roll-to-roll, minimum 12" wide up to 64" wide
Cut-sheet size	17" x 22" up to 64" wide
Media core compatibility	2" or 3" cored media
Input roll media diameter	Up to 9.8"
Input roll media weight	Up to 95 lbs.
Media Weight/Thickness	from 45 gsm up to 1.0 mm thick
Roll media take-up reel	Fully automatic "wind in" or "wind out" with tension bar
Output roll media weight	Up to 95 lbs.

## Acoustic Noise Level

Approximately 59 dB(A) according to ISO 7779

## Front-End RIP Workflow by ONYX

GamaPrint Pro PANTONE licensed PostScript Language Level 3 Compatible RIP by ONYX. Includes full workflow software with layout, nesting, tiling, custom spot color management, custom media support and RIP queue functionality.

The Epson SureColor S80600 is also supported by most leading third-party RIPs and workflows.

## ONYX GamaPrint Pro RIP Requirements

### Server Workstation:

Windows 7, 8, Vista® or XP (32-bit or 64-bit)  
3.2 GHz Intel® i7 or better 6 GB memory  
recommended

### Client Workstation:

Macintosh® 10.5+, Windows 7, 8, Vista or XP (32-bit or 64-bit)

## Printer Interfaces

Includes as standard one Hi-Speed USB 2.0  
(1.1 compatible) and one Gigabit Ethernet port

## Epson UltraChrome GS3 Ink

Ink Cartridge	(700 ml)
Black	T890100
Cyan	T890200
Magenta	T890300
Yellow	T890400
Lt Cyan	T890500
Lt Magenta	T890600
Lt Black	T890700
Orange	T890800
Red	T890900
White	T890A00
Metallic Silver	T890B00



## Limited Warranty and Service

Standard one-year on-site next business day service with toll-free phone support Monday thru Friday.

Optional Epson SureColor S80600 Extended service plans available for purchase for up to three years of total coverage.

## Printable Area

Maximum paper width	64-inch
Minimum paper width	12-inch
Left and right margins	0.20" (0.40" total)
Maximum printable width	63.6-inches

Maximum printable length limited by software application, OS, media length, and RIP

## Media Heating System

Pre Heater	Off or 86° to 122° F (off or 30° to 50°C)
Platen Heater	Off or 86° to 122° F (off or 30° to 50°C)
Post Heater	Off or 86° to 131° F (off or 30° to 55°C)

Independently controlled via control panel or front-end RIP

## Epson Intelligent Ink Cartridge<sup>B</sup>

Cartridge fill volume	700 ml each 8 colors total 600 ml white 350 ml Silver Metallic
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Ink cartridge shelf life (recommended)	2 years from printed production date or 6 months after open
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The printer is designed exclusively for use with EPSON cartridges for greater reliability.

## Image Permanence Ratings

## Environmental Characteristics

Full Color	Currently in testing	Temperature Operating	50° to 95°F (10° to 35°C)
White	Currently in testing	Storage	-4° to 104°F (-20° to 40°C)
Metallic Silver	Currently in testing	Relative Humidity Operating	20 to 80% (40 to 60% recommended)
		Recommended storage	5 to 85% (no condensation)
Test results based upon Epson Testing Labs using the ISO 18930 print durability standard.		Installation requirements	Virtually any location with a typical air conditioning or other air ventilation system. No forced ventilation or air purification systems required <sup>C</sup> .
All print results are based upon un-laminated prints printed on adhesive backed vinyl.			
White and Metallic Silver ink results judged by the gloss level reduction thresholds per ISO 18930 standards.			
Durability numbers above are estimates of maximum image permanence.			
Your actual results may vary depending upon media type used, environmental display conditions and other factors.			
<b>Epson does not warrant durability.</b>			
Please visit 3M and Avery web sites for laminated durability claims using their warranty programs.			

## Electrical Requirements

Printer	Requires Two 110v Outlets
Voltage	AC 100-120 V, AC 200-240 V
Frequency	50-60 Hz
Current	20A at AC 110-120 V or 10A at AC 200-240 V
Optional Dryer	Requires One 110v Outlet
Voltage	AC 100-120 V, AC 200-240 V
Frequency	50-60 Hz
Current	1A at AC 110-120 V or 0.5A at AC 200-240 V
<b>Power consumption</b>	
Printer	
Operating	Approx. 650W or Less
Standby Heaters ON	Approx. 520W
Standby Heaters OFF	Approx. 30W or less
Sleep	Less than 3.5W
Power Off	Less than 0.6W or less
Optional Dryer	
Operating	Approx. 45W
Sleep	Approx. 0.3W
Power Off	Less than 0.6W



## Products and Accessory Part Numbers

SureColor S80600 Production Edition (includes Onyx RIP, Stand & Take-up Reel)	SCS80600PE
Additional One-year SureColor S80600 Extended Service Plan - Silver	EPPS5070SB1
Additional One-year SureColor S80600 Extended Service Plan - Gold	EPPS5070GB1
Additional One-year SureColor S80600 Extended Service Plan - Platinum	EPPS5070PB1
Optional High Speed Print Dryer	C12C932381
Ink Cleaning Kit (for periodic print head cleaning)	T699300
Additional Printer Maintenance Kit (same kit that comes with a new printer)	C13S210044
Additional Cleaning Cartridge (for periodic print head washing)	T696000
Additional Waste Ink Bottle (for waste ink disposal)	C13T724000

<sup>A</sup> 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.

<sup>B</sup> 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.

<sup>C</sup> Based on testing of one printer at a maximum ink duty in a room of 180 m3 and a ventilation coefficient of 2.2 (without any fan or air conditioning). For more information see the MSDS sheets in the download section.