Epson Stylus® Pro 7800 and 9800

REDEFINING THE FUTURE OF PRINTING

New Advanced Black-and-white Printing Technology

- Unique driver technology taking full advantage of our three-level black system to produce professional black-and-white prints from color or grayscale image files
- Proprietary Epson screening technology developed specifically for black-and-white printing
- Produces a truly consistent image with no color crossover or color cast
- Produces sellable quality neutral and toned black-and-white prints from a single ink set

44"

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A New Level in Color Photographic Printing

- New 8-color high-density pigments for an extremely wide color gamut
- High-gloss Microcrystal Encapsulation™ technology for reduced gloss differential
- Higher black density for significantly richer blacks
- Superior color and clarity with an almost three-dimensional look that goes beyond what a traditional silver halide photograph can reproduce

24"

How do you know when technology will forever change the way you produce your vision? How often does a technology come along that dramatically changes an industry?

Introducing the all new Epson Stylus® Pro 7800 and Epson Stylus® Pro 9800.

Inspired by our past generation of photographic printing technology, our latest 24-inch Stylus Pro 7800 and 44-inch Stylus Pro 9800 professional wide-format printers incorporate forward-thinking designs with a breakthrough new 8-color ink technology, resulting in a final print of uncompromising quality.

Epson UltraChrome K3™ Ink technology represents a defining moment in the history of ink jet printing. Based on our newest generation of pigment ink, Epson UltraChrome K3 incorporates eight new color pigments, including a new three-level black technology, dramatically raising the bar for professional color and black-and-white prints.

Imagine producing archival prints with amazing color fidelity, gloss level, and scratch resistance, while providing consistently stable colors that significantly outperform lesser ink technologies. Imagine producing professional neutral and toned black-and-white prints with higher density levels and virtually no metamerism or bronzing.

Incorporating our latest 1-inch wide print head, produces almost twice the print performance of our previous model line, while an astonishing resolution up to 2880 x 1440 dpi delivers a level of image quality that even exceeds our previous best.

Capable of handling virtually any media type, in roll or cut-sheet, up to 24-inch or 44-inch wide, Epson once again sets the standard for professional media use. Whether you're producing sellable color or black-and-white photography, fine art reproduction, or color accurate proofs for client approvals, never before have creative professionals had such a powerful tool allowing them to produce their vision without compromise.

Our latest wide-format printers represent a level of technology unprecedented in Epson's history. Combining the extreme precision of an Epson Stylus Pro print engine, along with the extraordinary performance of UltraChrome K3 Ink technology, Epson has once again redefined the future of wide-format printing.

WELCOME TO THE NEXT LEVEL.

Epson UltraChrome K3™ Ink Technology

All New 8-color Pigment Based Ink System

- High-density pigments for an extremely wide color gamut
- Professional print permanence ratings for truly sellable quality prints
- High-gloss Microcrystal Encapsulation™ Technology for reduced gloss differential
- Superior scratch resistance from improved pigment and resin chemistry
- Color is stable immediately after printing – no short-term color shifting
- Depending upon media – produces a black density up to 2.3 with an L* value as low as 4.1*

* Data based on Epson Premium Luster Photo Paper (250)

New Three-level Black Ink Technology

- Simultaneously uses Black, Light Black, and Light Light Black inks
- Significantly improves the printer's gray balance while eliminating color casts
- Impressive midtones and highlights for a smoother tonal range
- Virtually eliminates the metamerism and bronzing of basic pigment chemistry
- Enhances the ICC profiling process for ColorSync™ and ICM™ workflows

Two User-exchangeable Black Ink Modes

Both printers can utilize two different black ink modes – Photo Black or Matte Black. This innovative solution optimizes the black ink density for various media types, dramatically improving the final print quality.

The standard Photo Black ink mode can be used for any media type with professional results. However, for certain Epson media types such as Velvet Fine Art, Enhanced Matte, and UltraSmooth Fine Art, using the optional Matte Black ink mode instead will dramatically increase your black optical density for even better print quality.

The Leader in Professional Prepress Proofing

- Quite possibly the highest quality proofing system available today
- Superior color consistency proof after proof and day after day
- Capable of handling higher proofing volumes for incredible productivity
- Legendary Epson durability for virtually maintenance-free proofing 24/7
- The affordable way to produce contract-quality proofs
- Supported by leading third party RIPs
- Capable of proofing almost any other printing method – even wide format sign-making

— 44" —

Next Generation Print Head Technology

All New 8-channel Print Head Technology
- Print head design capable of handling eight separate ink channels
- 1-inch wide high-performance print head with 180 nozzles per channel

Maximum Resolution of 2880 x 1440 dpi
- Incredibly sharp text and line art
- Extremely fine blends and photographic transitions

Variable-sized Droplet with AMC™ Technology
- Produces variable-sized droplets as small as 3.5 picoliters to greatly decrease print times while optimizing photographic quality
- Proprietary Active Meniscus Control (AMC) technology precisely controls the curvature of every ink droplet within each nozzle before releasing it onto the media. The result is extremely sharp and accurate placement of ink droplets for outstanding photographic print quality.

Epson PreciseColor™ Technology

In order to ensure consistent printing between multiple Epson Stylus Pro printers of the same model, Epson has enhanced the production process to include colorimetric calibration. This system evaluates and adjusts each printer's difference at the manufacturing stage, better assuring you of consistent color output from printer to printer.

Automatic Print Head Alignment Technology
- Built-in sensor reads printed data for highly precise alignments of all color channels
- Aligns both single and bi-directional print modes

Automatic Nozzle Check Technology
- Built-in sensor reads nozzle check pattern and automatically cleans print head if any problems are found – even partially clogged nozzles

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|←———————————— 44" ————————————→|

Epson Stylus Pro 9800

High-precision Print Engine Technology

Professional Media Handling

- Prints on virtually any media type, in roll or cut-sheet, up to 24-inch or 44-inch wide

- All media is front-loaded via a unique straight-through media path

- Accurate automatic loading of cut-sheet media up to 24-inch or 44-inch wide in a variety of weights up to 1.5mm thick posterboard

- User adjustable Roll Media Spindle accepts either 2-inch or 3-inch media cores

- Producing impositions based upon a work-and-turn process, you can print on both sides of certain media types

- Built-in Automatic Cutting System supporting most media types

- Optional Manual Media Cutter for cutting even the thickest of media types

- Optional Automatic Take-up Reel System for unattended production of large print runs (available on the Epson Stylus Pro 9800 only)

High-performance Print Engine Speeds

Utilizing our latest high-performance print head technology, both the SP7800 and SP9800 are among the fastest wide-format printers in the industry, while printing twice as fast as our previous models.

Print Mode	16" x 20"	24" x 30"	44" x 60"
720 x 720 dpi HS	4:20	9:54	29:00
1440 x 720 dpi HS	6:41	14:18	42:30
2880 x 1440 dpi HS	12:57	26:54	81:42
Print speeds are shown in min:sec. HS = High Speed Print Mode (Bi-directional Print Mode)			

Epson Intelligent High-capacity Ink System

- All-new pressurized ink cartridge technology ensures reliable ink delivery at all print speeds, while dramatically reducing the physical size of the ink cartridges

- Eight individual 110 ml or 220 ml ink cartridges

- Utilizes both 110 ml and 220 ml ink cartridges simultaneously to optimize ink usage

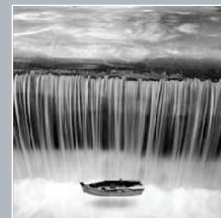- On-the-fly ink cartridge replacement for increased productivity
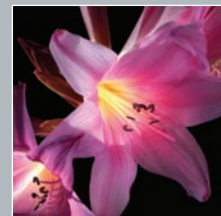
©2005 Jerry Uelsmann

Epson Stylus Pro 7800

24"

Epson PrintJob™ Information System

- Built-in printer memory automatically tracks key print job statistics, such as ink and media usage, remaining media, data file and user names, print times, and more

- Reports can be downloaded from printer memory or printed

Superior Connectivity

- Includes one USB 2.0, one IEEE 1394 (FireWire®) and one Epson Expansion Slot for installing the optional 10/100 BaseT Ethernet card (Ethernet included with Pro Edition bundle)

- Professional Epson Photographic Drivers for Macintosh® and Windows®

- Optional PANTONE® licensed and SWOP® certified PostScript® Language Level 3™ Compatible RIP by ColorBurst® (included only with Pro Edition bundle)

- Fully supported by most leading third-party RIPs and workflows – the Epson Stylus Pro series printers are used within the most demanding commercial printing environments

World Class Service and Support

- Free one-year of coverage under the Epson Preferred℠ Protection Plan with toll-free telephone support available Monday through Friday and usually next-business-day on-site service. Optional plans available.

Advanced Black-and-white Printing Technology
Proprietary Epson screening and driver technology developed specifically for producing professional neutral or toned black-and-white prints.

8-color UltraChrome K3 Ink Technology
The new standard by which all other ink systems will be judged. All new high-density pigments for an extremely wide color gamut, amazing high-gloss prints, unique three-level black technology, all with virtually no metamerism or bronzing.

Professional Media Handling
Unique front-loading, straight through paper path for printing on virtually any media up to 24" or 44" wide – up to 1.5mm thick posterboard.

Easy-to-use Control Panel
Large 2.5" backlit LCD panel for superior direct printer control and operational status.
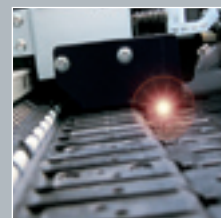

Intelligent High-capacity Ink System
Eight individual 110 ml or 220 ml ink cartridges for truly professional use. You can even mix and match both 110 ml and 220 ml sizes to further optimize ink usage.

Auto Head Alignment and Cleaning Technology
Built-in sensor automatically aligns the 8-channel print head for extremely accurate dot placement. This system is so effective, it can even detect when a print head is getting dirty and automatically clean if needed.

Epson Stylus Pro 7800 and 9800 Print Engine Specifications

Printing Method
8-channel Print Head Technology

8-color (C, Lc, M, Lm, Y, Lk, LLk + PK or MK) pigment-based
Variable-sized Droplet Micro Piezo® drop-on-demand
ink jet with AMC technology

Epson UltraChrome K3 Ink Technology

Nozzle Configuration
Color and Monochrome   180 nozzles x 8

Droplet Technology
Smallest droplet size   3.5 picoliters
Variable Droplet Technology can produce up to
three different sizes per print line

Resolution
2880 x 1440 dpi; 1440 x 720 dpi; 720 x 720 dpi;
720 x 360 dpi; 360 x 360 dpi

Print Engine Speed[A]
16" x 20" prints from 1:18 to 12:57 - Normal is 6:41
24"x 30" prints from 2:12 to 26:54 - Normal is 14:18
44"x 60" prints from 5:06 to 81:42 - Normal is 42:30

Acoustic Noise Level
Approximately 50 dB(A) according to ISO 7779

Printer Language/Drivers
Epson ESC/P2 raster photographic drivers standard

Optional PANTONE licensed and SWOP certified PostScript
Language Level 3 Compatible RIP by ColorBurst (included
only with Pro Edition bundle)

Supported by most leading third-party RIPs and workflows

Operating Systems Supported
Macintosh   Panther 10.3.9 or higher
              Tiger 10.4 or higher
Windows   2000 or XP (Pro or Home Edition)

Printer Interfaces
Includes one USB (1.1 and 2.0 compatible), one IEEE 1394
(FireWire) and one Epson Expansion Slot used for installing
the optional internal 10/100 BaseT Ethernet card
(Ethernet included in Pro Edition bundle)

Dimensions
SP7800   46.3"(W) x 46.5"(H) x 29.3"(D)
          Printer weight: 131 lb
SP9800   67"(W) x 47"(H) x 26.7"(D)
          Printer weight: 198 lb
Dimensions and weight include printer stand

BorderFree® Printing
Left and right borderless "bleed" printing
for the following roll media widths:
SP7800   8", 10", 12", 14", 16", 24"
SP9800   8", 10", 12", 14", 16", 24", 36", 44"

Top and bottom edges can be automatically cut to any
length three different ways during printing on roll media

Printable Area
Maximum paper width	SP7800 – 24"	SP9800 – 44"
Left and right margins	0 to 3 mm each (0.24" total)	
Maximum printable width	SP7800 – 24.16"	SP9800 – 44.16"
Maximum printable length	Limited by application, OS and driver/RIP used	

Media Handling
SP7800	Media input	Single roll up to 24" width
	Cut-sheet size	Up to 24" wide media (auto-loading)
SP9800	Media input	Single roll up to 44" width
	Cut-sheet size	Up to 44" wide media (auto-loading)
Media core compatibility		Handles both 2" and 3" cored media
Max. roll media diameter		4" (2" core) or 6" (3" core)
Weight		12 lb bond up to 1.5 mm posterboard
Built-in media cutter		Automatic and manual cutting
Optional manual media cutter		Used for cutting very thick media
Cutter life		~2,000 cuts (coated media)

Epson Intelligent Ink Cartridge
Ink cartridge size   110 ml or 220 ml[B]
                            each color x 8 colors total
Ink cartridge shelf life   2 years from printed production
                            date or 6 months after open

Lightfastness Ratings[C]
Epson UltraChrome K3 Ink   Color: Up to 108 years
                            B&W: Over 200 years

Environmental Characteristics
Temperature operating	50° to 95° F (10° to 35° C)
Storage	-4° to 104° F (-20° to 40° C)
Humidity operating	20 to 80% relative humidity
Recommended	40 to 45% relative humidity
Storage	5 to 85% relative humidity (no condensation)

Safety Approval
Safety standards   UL1950, CSA 22.2 950 FDA
EMI   FCC Part 15 subpart B class B,
                    CSA C108.8 class B
                    AS/NZS 3548 class B

Electrical Requirements
Voltage   AC120 V or (220 V to 240 V)
Frequency   50 to 60 Hz
Current   1.0 A / 100-120 V
Power consumption Approx. 55 W or less (operating)
                   <15 W (standby)
                   <1 W (power off mode)
                   Energy Star Compliant

Product/Accessories

Product/Accessories	Part Numbers SP7800	SP9800
Epson Stylus Pro Print Engine	C594001UCM	C595001UCM
Professional Editions Includes ColorBurst RIP and 10/100 BaseT Ethernet	C594001PRO	C595001PRO
Internal 10/100 BaseT Ethernet Type-B Card	C12C824052	C12C824052
Additional One-year Epson Preferred Plus Service	EPP7898B1	EPP7898B1
Additional Two-year Epson Preferred Plus Service	EPP7898B2	EPP7898B2
Automatic Take-up Reel System	Not Available	C12C815251
Replacement 44" Take-up Reel Core	Not Available	C815121
Paper Roller Spindle (Normal Tension) – 2" or 3"	C12C811161	C12C811151
Paper Roller Spindle (High Tension) – 2" or 3"	C12C811155	C12C811152
Replacement Printer Cutter Blade	C12C815291	C12C815291
Manual Media Cutting System	C12C815231	C815182
Replacement Manual Cutting Blade	C815192	C815192
Replacement Ink Maintenance Tank	C12C890191	C12C890191

Epson UltraChrome K3 Ink	(110 ml)	(220 ml)
Photo Black ink cartridge	T562100	T563100
Cyan ink cartridge	T562200	T563200
Magenta ink cartridge	T562300	T563300
Yellow ink cartridge	T562400	T563400
Light Cyan ink cartridge	T562500	T563500
Light Magenta ink cartridge	T562600	T563600
Light Black ink cartridge	T562700	T563700
Light Light Black ink cartridge	T562900	T563900
Matte Black ink cartridge	T566800	T567800

[A] Based upon print engine speed only. Total throughput times depend upon front-end RIP, file size, printer resolution, ink coverage, networking, etc. Normal mode based on SuperFine 1440 dpi.

[B] Printers ship with 110 ml cartridges. Photo Black cartridge included, Matte Black must be purchased separately.

[C] Ink lightfastness rating based on accelerated testing of prints on specialty media, displayed indoors, under glass. Actual print stability will vary according to media, printed image, display conditions, light intensity, humidity, and atmospheric conditions. Epson does not guarantee longevity of prints. For maximum print life, display all prints under glass or lamination or properly store them.

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