

Epson Stylus® Pro 7880 and 9880

REDEFINING THE FUTURE OF PRINTING





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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
- Unique Epson screening technology developed specifically for exhibition-quality black-and-white prints
- Produces a truly consistent image with no color crossover or color cast
- Create sellable quality, neutral and toned, black-and-white prints from a single ink set



*Tea Rose by Howard Scharz
from Botanica (Bullfinch Press, 2007)*



— 24" —

A Higher Level of Color Photographic Printing

- Epson UltraChrome K3™ with Vivid Magenta ink technology
- Extreme color gamut especially within the blue and purple ranges
- Improves overall 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 produce

Epson is never fully satisfied with the printing technology we introduce. We never stop thinking. We never stop experimenting. And after we've finally developed the best printing technology possible, we pushed ourselves to make it even better.

Introducing the new Epson Stylus Pro 7880 and Epson Stylus Pro 9880.

A true evolution of our past-generation of photographic printing technology, our latest 24-inch (Epson Stylus Pro 7880) and 44-inch (Epson Stylus Pro 9880) professional wide-format printers incorporate forward-thinking designs, with a newly enhanced 8-color ink technology, resulting in a final print of uncompromising quality.

Epson UltraChrome K3™ is the standard by which all other professional-level ink technologies are judged. Now enhanced with our breakthrough new Vivid Magenta pigments, our newest-generation ink technology requires only eight colors, including a three-level black technology, to significantly raise the quality levels 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 even higher density levels, along with virtually no metamerism or bronzing.

With an even higher level of ink droplet accuracy, we've developed an all-new MicroPiezo® AMC™ print head, along with an all-new ink repelling coating technology to dramatically reduce nozzle clogging. And, when combined with our new Epson AccuPhoto™ HD screening technology, at an astonishing resolution of 2880 x 1440 dpi, Epson has once again raised the level of image quality – even exceeding our previous best.

Capable of handling virtually any media type, in roll or cut-sheet, up to 24-inch or 44-inch wide, Epson sets the standard for professional media use. Whether you're producing sellable color or black-and-white photography, fine art reproduction, or producing 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 continue to 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 our latest Epson UltraChrome K3 ink technology, Epson continues to redefine the future of wide-format printing.

AN EVOLUTION CONTINUES.

Latest Generation Print Head Technology

All New 8-channel Print Head with Ink Repelling Coating Technology

- Print head design capable of handling eight separate ink channels
- 1-inch wide high-performance print head with 180 nozzles per channel
- All-new ink repelling coating to dramatically reduce nozzle clogging

All New Epson AccuPhoto HD Screening Technology

- Radical screening algorithm resulting in prints with superior color and clarity
- Maximum resolution of 2880 x 1440 dpi for incredibly sharp text and line art
- Extremely accurate 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

- Enhanced 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™ Manufacturing

In order to ensure consistent printing between multiple Stylus Pro printers of the same model, Epson has enhanced the manufacturing process to include colorimetric calibration. Eliminating the need for internal calibration devices, this system evaluates and adjusts each printer's performance at the manufacturing stage, producing consistent color output from printer to printer.

Automatic Print Head Alignment Technology

- Built-in sensor reads printed data for highly precise alignment 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 required – even partially clogged nozzles



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
- Legendary Epson durability for virtually maintenance-free proofing 24/7
- Capable of handling higher proofing volumes for incredible productivity
- Compatible with most leading third party RIPs and workflows
- Capable of proofing almost any other printing method – even package and label

Epson UltraChrome K3 with Vivid Magenta Ink Technology

Industry Defining 8-color Pigment-Based Ink System

- High-density pigments for an extremely wide color gamut
- Advanced formulation of Magenta pigments for extreme blues and purples
- 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 2.5 with an L* value of 3.9[†]

[†] Data based on Epson Premium Luster Photo Paper (260)

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
- Outstanding 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

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 black optical density for even better print quality.



© 2007 John Paul Caponigro

44"

Epson Stylus Pro 9880

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 media up to 1.5 mm thick posterboard
- User adjustable Roll Media Spindle accepts either 2-inch or 3-inch media cores
- On certain media types, you can produce accurate impositions using a work-and-turn process
- Built-in Automatic Cutting System supporting most media types
- Optional Manual Media Cutter for cutting very thick media
- Optional Automatic Take-up Reel System for unattended production of large print runs (available on the Epson Stylus Pro 9880 only)

High-performance Print Engine Speeds^A

Utilizing our latest high-performance print head technology, both the Epson Stylus Pro 7880 and Epson Stylus Pro 9880 are among the fastest wide-format printers in the industry.

Print Mode	16" x 20"	20" x 30"	40" x 60"
Fine – 720 dpi HS	4:20	7:55	27:00
SuperFine – 1440 dpi HS	6:41	12:00	41:25
SuperPhoto – 2880 dpi HS	12:57	23:18	79:51

HS = High-speed Print Mode (Bi-directional Print Mode) Print speeds are shown in min:sec.

Epson Intelligent High-capacity Ink System

- 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



© 2007 Greg Gorman

24"

Epson Stylus Pro 7880

Superior Connectivity

- Standard connectivity includes one USB 2.0 interface and one 10/100Base-T Ethernet port
- 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 the ColorBurst 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

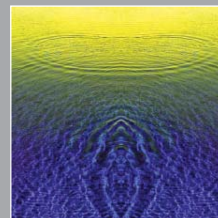
World-Class Service and Support

- 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 one- or two-year Epson Preferred Plus service plans available

8-color UltraChrome K3 with Vivid Magenta Ink Technology

The new standard by which all other ink systems will be judged.

All new high-density magenta pigments for an extremely wide color gamut, amazing high-gloss prints, unique three-level black technology, all with virtually no metamerism or bronzing.



Advanced Black-and-White Printing Technology

Unique Epson screening and driver technology developed specifically for producing exhibition-quality, neutral or toned, black-and-white prints.



Professional Media Handling

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



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 true professional use. You can even use both 110 ml and 220 ml sizes simultaneously 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 7880 and 9880 Print Engine Specifications

Printing Technology

Advanced MicroPiezo AMC print head
with ink repelling coating technology
8-channel, drop-on-demand, ink jet print head
9-cartridge (C, LC, VM, VLM, Y, LK, LLK, PK or MK)

Auto Head Alignment and Cleaning technology

Epson UltraChrome K3 with Vivid Magenta ink technology
Professional-level pigment-based 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 droplet 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 4:20 to 12:57 - Normal is 6:41
20" x 30" prints from 7:55 to 23:18 - Normal is 12:00
40" x 60" prints from 27:00 to 79:51 - Normal is 41:25

Acoustic Noise Level

Approximately 50 dB(A) according to ISO 7779

Printer Language/Drivers

Epson ESC/P®2 raster photographic drivers standard

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

Supported by most leading third-party RIPs and workflows

Operating Systems Supported

Macintosh Tiger 10.4.9 or higher (universal binary)
Leopard 10.5 or higher (16-bit)
Windows Vista and XP (both 32 and 64-bit supported)

Printer Interfaces

Includes as standard one hi-speed USB 2.0 (1.1 compatible)
one Ethernet port (10/100Base-T)

Dimensions

SP7880 46" (W) x 46" (H) x 30" (D)
Printer weight: 131 lb
SP9880 67" (W) x 46" (H) x 30" (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:

SP7880 10", 13", 16", 17", 24"
SP9880 10", 13", 16", 17", 24", 36", 44"

Top and bottom edges can be automatically cut to any
length when printing on roll media

Printable Area

Maximum paper width **SP7880** – 24" **SP9880** – 44"
Left and right margins 0 to 3 mm each (0.24" total)
Maximum printable width **SP7880** – 24.16" **SP9880** – 44.16"
Maximum printable length Limited by application, OS and
driver/RIP used

Media Handling

SP7880 Media input Single roll up to 24" width
Cut-sheet size Up to 24" wide media
(auto-loading)
SP9880 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
Printer cutter blade life ~2,000 cuts (coated media)

Epson Intelligent Pressurized Ink Cartridges^B

Cartridge fill volume 110 ml or 220 ml
each color x 8 colors total
Ink cartridge shelf life 2 years from printed production
(recommended) date or 6 months after open

Line Accuracy

+ or - 0.2% of specified page length

Lightfastness Ratings^C

Epson UltraChrome K3 Ink Color: Up to 200 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)
Relative humidity
Operating 20 to 80%
Recommended Storage 40 to 50%
5 to 85% (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 AC 110 – 240 V
Frequency 50 to 60 Hz
Current 1.0 A/110 – 120 V
Power consumption
Operating Approx. 55 W or less
Standby Less than 5 W
Power Off Less than 1 W
ENERGY STAR compliant

Product/Accessories

Part Numbers

SP7880 **SP9880**

Epson Stylus Pro Printer SP7880K3 SP9880K3
ColorBurst Editions SP7880CB SP9880CB
Includes ColorBurst® RIP

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

Additional Media Spindle (Normal Tension) – 2" / 3" C12C811161 C12C811151
Additional Media Spindle (High Tension) – 2" / 3" C12C811155 C12C811152

Replacement Printer Cutter Blade C12C815291 C12C815291

Manual Media Cutting System Replacement Manual C12C815231 C815182
Cutting Blade C815192 C815192

Replacement Ink Maintenance Tank C12C890191 C12C890191

Epson UltraChrome K3 Ink	(110 ml)	(220 ml)
Photo Black ink cartridge	T602100	T603100
Cyan ink cartridge	T602200	T603200
Vivid Magenta ink cartridge	T602300	T603300
Yellow ink cartridge	T602400	T603400
Light Cyan ink cartridge	T602500	T603500
Vivid Light Magenta ink cartridge	T602600	T603600
Light Black ink cartridge	T602700	T603700
Light Light Black ink cartridge	T602900	T603900
Matte Black ink cartridge	T611800	T612800

- ^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 HS.
- ^B Cartridge yields vary considerably based on images printed, print settings, paper type, frequency of use and temperature. For print quality, a variable amount of ink remains in the cartridge after the "Replace Cartridge" indicator comes on. The printer ships with full cartridges and part of the ink from the first cartridge is used for priming the printer. Printer ships with 110 ml cartridges. Photo Black cartridge included, Matte Black must be purchased separately. See www.epson.com/cartridgeinfo for more information about cartridges.
- ^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. Visit www.wilhelm-research.com for the latest information.



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