

# 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<sup>A</sup>

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<sup>B</sup>  
each color x 8 colors total  
Ink cartridge shelf life 2 years from printed production date or 6 months after open

## Lightfastness Ratings<sup>C</sup>

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

## 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

<sup>A</sup> 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.

<sup>B</sup> Printers ship with 110 ml cartridges. Photo Black cartridge included, Matte Black must be purchased separately.

<sup>C</sup> 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](http://www.wilhelm-research.com) for the latest information.



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