Epson Stylus Pro 7800 and 9800 Print Engine Specifications

### Printer Interfaces

- **Ethernet**: Included in Pro Edition bundle

### Maximum Printable Length

- **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**

### Printer Weight

- **131 lb**

### Energy Star Compliant

- **<15 W (standby)**

### Safety Standards

- **U L1950, CSA 22.2 950 FDA**

### Environmental Characteristics

- **Lightfastness Ratings**
  - Black & Black: Over 100 years
  - Light: Over 200 years
  - Matte: Over 100 years

### Ink Maintenance

- **Replacement Manual**
- **Replacement 44" Reel System**
- **Ink Maintenance Tank**

### Media Input

- **Cut-sheet size**: Up to 44" wide media
- **Use for cutting very thick media**: Media cutter

### Internal Specifications

- **Printer resolution**: 2880 x 1440 dpi
- **Ink coverage**: up to 440 g/m²
- **Networking**: 10/100 BaseT
- **Variable-sized Droplet with AMC™ Technology**

### Variable-sized Droplet Micro Piezo® drop-on-demand

- **All New 8-channel Print Head Technology**
- **Next Generation Print Head Technology**

### Epson UltraChrome K3

- **Eight individual 110 ml or 220 ml ink cartridges**
- **Ink System**: Epson Intelligent High-capacity Ink System

### High-gloss Microcrystal Encapsulation™ technology

- **High-gloss, faster drying, lower cost ink technology**

### Eight-color high-density pigment ink system

- **Significantly improves the printer’s gray balance while eliminating color crossover and color cast**
- **Proprietary Epson screening technology developed specifically for black-and-white printing**

### Automatic Print Head Alignment Technology

- **Built-in sensor automatically reads printed data for highly precise alignments**
- **Superior color consistency proof after proof and day after day**
- **Superior color output from printer to printer.**
- **In order to ensure consistent printing between multiple Epson Stylus Pro printers of the same model, Epson has enhanced the built-in Automatic Print Head Alignment Technology.**

### Price

- **$29,000**

### Internet Website:

- **Imagine producing archival prints with amazing color fidelity, gloss level, and scratch resistance, while providing consistently stable colors that even exceed our previous best.**
- **How many times have you looked at a print and thought, “If only it were as rich and vivid as when it was first created.”**

- **Epson Stylus Pro print engine, along with the extraordinary performance of the Epson UltraChrome K3 ink technology, are just two of the many reasons why Epson professional wide-format printers incorporate forward-thinking designs.**

- **Epson Stylus Pro 7800 and 9800.**

- **How do you know when technology will forever change the way you produce your vision? How often does a technology come along that significantly outperforms lesser ink technologies? Imagine producing high-quality black-and-white and color photos, reproductions, and proofs that truly impress.**

- **Epson UltraChrome K3 pigment chemistry specifically for producing professional proofing, reproductions, and photos.**
- **Increased black density for significantly richer blacks**
- **Produces extremely rich blacks and stunning metallics**

- **Epson Stylus Pro printers of the same model.**
- **Epson PreciseColor and AMC are trademarks and Epson Preferred is a servicemark of Epson America, Inc. All other product names are trademarks of their respective companies.**

- **©2005 Douglas Dubler**
- **©2005 Joseph Holmes**
### Epson Stylus Pro 7800 and 9800 Print Engine Specifications

#### Key Features:

- **Epson UltraChrome K3 Ink Technology**
  - Eight new color pigments
  - Professional print permanence ratings for truly sellable quality prints
  - Very low gloss differential
  - Extremely fine blends and photographic transitions
  - Incredibly sharp text and line art
  - Lightfastness of UltraChrome K3 Ink technology, Epson has once again redefined professional wide-format printers incorporate forward-thinking designs

- **Maximum Roll Media Diameter**
  - 4" (2" core) or 6" (3" core)

- **Max. roll media width**
  - 44" x 60"

- **Variable-sized Droplet Micro Piezo® drop-on-demand Print Head Technology**
  - Produces variable-sized droplets as small as 3.5 picoliters

- **Resolution**
  - 2880 dpi x 1440 dpi (HS mode) / 1440 x 720 dpi (Draft mode)

- **Acoustic Noise Level**
  - Normal mode: 42.30 dB
  - 44" x 60" prints from 5.06 to 81.42 dB

- **Prints Per Hour**
  - Normal mode: 5.8 ipm (44"") / 11.6 ipm (24"")
  - HS mode: 3.6 ipm (44"") / 6.0 ipm (24"")

- **Software Compatibility**
  - Windows: Windows 98 SE, Me, NT, 2000, XP SP1/SP2
  - Macintosh: Mac OS 10.3.9 or higher

- **Paper Roll Spindle**
  - (Auto-loading) – 2" or 3" (C12C811151 / C12C811161)

#### Ink Cartridges:

- **Cyan Ink Cartridge**
  - T562200 / T563200

- **Magenta Ink Cartridge**
  - T562600 / T563600

- **Yellow Ink Cartridge**
  - T562700 / T563700

- **Photo Black Ink Cartridge**
  - T566800 / T567800

- **Matte Black Ink Cartridge**
  - T566800 / T567800

- **Light Magenta Ink Cartridge**
  - T562600 / T563600

- **Light Cyan Ink Cartridge**
  - T562700 / T563700

- **Gray Ink Cartridge**
  - T568200 / T569200

- **White Ink Cartridge**
  - T568400 / T569400

- **Matte Gray Ink Cartridge**
  - T568300 / T569300

- **Ink Maintenance Tank**
  - C12C890191

- **Epson Intelligent Ink Cartridge (auto-loading)**

- **Ink Maintenance Tank**
  - C12C890191

#### Additional Features:

- **World Class Service and Support**
  - Includes one USB 2.0, one IEEE 1394 (FireWire®), and one Epson Ethernet Type-B Card

- **Safety Standards**
  - UL1950, CSA 22.2 950, FDA

- **Environmental Characteristics**
  - Storage: -4˚ to 1 04˚ F (-20˚ to 40˚ C)
  - Frequency: 50 to 60 Hz

- **Power Requirements**
  - 220 ml ink cartridges for truly

- **Spare Parts and Accessories**
  - Media input: Single roll up to 44" width
  - Current: 1.0 A / 100-120 V
  - EMI FCC Part 15 subpart B class B, AS/NZS 3548 class B

### Image

![Image of the Epson Stylus Pro 7800 and 9800 printers](image-url)
Epson Stylus Pro 7800 and 9800 Print Engine Specifications

8-color (C, Lc, M, Lm, Y, Lk, LLk + PK or MK) pigment-based

Top and bottom edges can be automatically cut to any

Left and right borderless “bleed” printing

Dimensions

Epson ESC/P2 raster photographic drivers standard

Resolution

Smallest droplet size 3.5 picoliters

Nozzle Configuration

Printable area

Print Quality

Print Mode

Built-in sensor automatically

Intelligent High-capacity

User adjustable Roll Media Spindle accepts either 2-inch or

Cutting Blade

Optional Automatic Take-up Reel System for unattended production

Optional Manual Media Cutter for cutting even the thickest

Paper Roller Spindle

Replacement Printer

Take-up Reel Core

Where do you know technology will forever change the way you

Inspired by our past generation of photographic printing technology,

How do you know when technology will forever change the way you

Epson UltraChrome K3™ Ink technology represents a defining moment in

For maximum print life, display all prints under glass or lamination or properly store them.

Epson UltraChrome K3 Ink Color: Up to 108 years

Epson UltraChrome K3 Ink lightfastness rating based on accelerated testing of prints on specialty media, displayed indoors,

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

Virtually eliminates the metamerism and bronzing of basic

Impressive midtones and highlights for a smoother tonal range

Simultaneously uses Black, Light Black, and Light Light Black inks

Properly store both single and bi-directional print modes

In order to ensure consistent printing between multiple Epson

Epson PreciseColor™ Technology

of all color channels

Enhanced Black-and-white

Support for high-gamut printing

Intelligent PostScript RIP and printer settings, including color management and color space

Epson UltraChrome K3 Ink Technology

of UltraChrome K3 Ink technology, Epson has once again redefined

No condensation

Superior scratch resistance from improved pigment and resin chemistry

Depending upon media – produces a black density up to 2.3

Virtually no metamerism or bronzing.

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Epson Stylus Pro 7800 and 9800 Print Engine Specifications

**Variable Droplet Technology**
- Can produce up to 100 nozzles per inch (3,200 nozzles per inch for SP9800)
- Only with Pro Edition bundle

**Epson UltraChrome K3™ Ink technology**
- Includes one USB (1.1 and 2.0 compatible), one IEEE 1394 (FireWire®)
- Maximum printable length Limited by application, OS and printer software
- Maximum printable width
  - SP7800: 44" (1118 mm)
  - SP9800: 46" (1168 mm)
- Three different sizes per print line

**Border Free® Printing**
- 44" x 60" prints from 5:06 to 81:42 - Normal is 42:30

**Dimensions**
- SP7800: 67"(W) x 47"(H) x 26.7"(D)
- SP9800: 69"(W) x 49"(H) x 26.8"(D)

**Printing Method**
- 8-channel Print Head Technology
- Provides 1440 x 720 dpi resolution
- Epson’s highest resolution technology yet

**Nozzle Configuration**
- 180 nozzles x 8
- Proprietary Epson screening technology developed specifically for black-and-white printing
- Simultaneously uses Black, Light Black, and Light Light Black inks

**High-precision Print Engine Technology**
- Aligns both single and bi-directional print modes
- Built-in sensor automatically aligns the 8-channel print head as needed.
- Proprietary Epson screening technology
- Built-in sensor reads nozzle check pattern and automatically cleans clogged nozzles

**Color and Monochrome Print Speeds**
- SP7800 (USB 2.0):
  - Color: up to 2880 x 1440 dpi
  - Monochrome: up to 2880 x 720 dpi
- SP9800 (Ethernet included with Pro Edition bundle):
  - Color: up to 2880 x 1440 dpi
  - Monochrome: up to 2880 x 720 dpi

**Safety Approval**
- UL 60950-1 (IEC 60950-1)
- CSA C108.8 class B
- FCC Class B

**Power Consumption**
- <1 W (power off mode)

**Ink Cartridge Size**
- 10 ml or 220 ml

**Media Specifications**
- Standard media types:
  - Paper: 10 lb bond up to 1 .5 mm posterboard
  - Cut-sheet size: Up to 24" wide media
- Maximum printable width
  - SP7800: 44" (1118 mm)
  - SP9800: 46" (1168 mm)
- Maximum printable length
  - SP7800: Limited by application, OS and printer software
  - SP9800: Limited by application, OS and printer software

**Additional Features**
- Built-in sensor automatically detects ink level in all cartridges
- Proprietary Epson screening technology for professional neutral and toned black-and-white prints with higher density blacks
- Includes ColorBurst RIP and ColorBurst™ Tealight RIP

**Performance**
- Professional print permanence ratings for truly sellable quality prints
- Professional neutral and toned black-and-white prints with higher density blacks
- Extremely wide color gamut
- Professional neutral and toned black-and-white prints with higher density blacks
- Simultaneously uses Black, Light Black, and Light Light Black inks

**Product/Accessories Part Numbers**
- Expansion Slot for installing the optional 10/100 BaseT Ethernet card
- Optional manual media cutting system

**WELCOME TO THE NEXT LEVEL.**
Epson Stylus Pro 7800 and 9800

**Epson Stylus Pro 7800 and 9800 Print Engine Specifications**

- **Variable Droplet Technology** can produce up to
  - SP9800
  - SP7800

- The optional internal 10/100 BaseT Ethernet card

- Top and bottom edges can be automatically cut to any

- Left and right borderless “bleed” printing

**Operating Systems Supported**

- 44" x 60" prints from 5:06 to 81:42 – Normal is 42:30

- 720 x 360 dpi; 360 x 360 dpi

**Droplet Technology**

- Epson UltraChrome K3 Ink Technology

**Nozzle Configuration**

- High-density pigments for an extremely wide color gamut

- Significantly improves the printer's gray balance while eliminating
  - Metamerism
  - Bronzing

- New Three-level Black Ink Technology

- Or Matte Black. This innovative solution optimizes the black ink density

- Enhances the ICC profiling process for ColorSync™ and ICM™ workflows

**Epson UltraChrome K3 Ink Technology**

- Capable of handling virtually any media type, in roll or cut-sheet, up to
  - 24" to 44" wide

- Produces variable-sized droplets as small as 3.5 picoliters to greatly

- Decrease print times while optimizing photographic quality

- New Advanced Black-and-white Printing Technology

- WELCOME TO THE NEXT LEVEL.

**Epson UltraChrome K3 Ink Technology**

- This new technology offers a dynamic range of more than 1.600 levels and virtually no metamerism or bronzing.

- Produces a truly consistent image with no color crossover or color cast

- Significantly outperforms lesser ink technologies. Imagine producing

- Professional media handling

- Easy-to-use control panel

- High-precision print engine technology

- Next generation print head technology

- High-performance print-quality process

- Superior connectivity

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

**Software Compatibility**

- **Epson Digital Editions Suite**

- Supports all leading software applications

- Epson America, Inc.

- Epson Canada, Inc.

**Ink Maintenance Tank**

- Ink Maintenance Tank C12C890191

**Cutting Blade**

- Cutting Blade C815192

**Take-up Reel Core**

- Take-up Reel Core Not Available

**Replacement Printer**

- Replacement Printer

**Product/Accessories Part Numbers**

- Light Light Black ink cartridge T562900 T563900

- Light Black ink cartridge T562700 T563700

- Magenta ink cartridge T562300 T563300

- Photo Black ink cartridge T562100 T563100

- Cyan ink cartridge T562000 T563000

- Yellow ink cartridge T562400 T563400

- Red ink cartridge T562600 T563600

- Matte Black ink cartridge T562800 T563800

- Green ink cartridge T562500 T563500

- Magenta Photo ink cartridge T562500 T563500

- Photo Cyan ink cartridge T562400 T563400

- Photo Yellow ink cartridge T562600 T563600

- Photo Red ink cartridge T562700 T563700

- Green Photo ink cartridge T562800 T563800

**Automatic Nozzle Check Technology**

- Aligns the 8-channel print head

- Detects and corrects nozzle misalignments

**Cleaning Technology**

- Provides ongoing cleaning functions for optimal performance

**Reports**

- Reports can be downloaded from printer memory or printed

**Environmental Characteristics**

- Storage: -4˚ to 1 04˚ F (-20˚ to 40˚ C)

- Temperature operating: 50˚ to 95˚ F (10˚ to 35˚ C)

**Print Engine Specifications**

- **Printer Weight**
  - 198 lb
  - 131 lb

- **Printer Resolution**
  - 2880 x 1440 dpi
  - 1440 x 720 dpi HS
  - 720 x 720 dpi HS
  - 576 x 454 dpi HS

- **Maximum Printable Width**
  - 44.16"
  - 44" – 44.16"

**New Advanced Black-and-white Printing Technology**

- Allows for an infinite range of black shades, from pure black to shades of gray

- High-precision black-and-white printing

- Produces high-quality black-and-white prints from color or grayscale image files

- Capable of handling virtually any media type, in roll or cut-sheet, up to

- Produces professional black-and-white prints from color or grayscale image files

- Optimizes the black ink density

- Significantly outperforms lesser ink technologies. Imagine producing professional black-and-white prints from color or grayscale image files

- Optimizes the black ink density

- Enhances the ICC profiling process for ColorSync™ and ICM™ workflows

**Clean Image Making Technology**

- Produces a consistently sharp and accurate range of black shades

- Significantly outperforms lesser ink technologies. Imagine producing professional black-and-white prints from color or grayscale image files

**Epson Stylus Pro 7800 and 9800**

- Epson has once again redefined

- The affordable way to produce contract-quality proofs

**Epson Stylus Pro 7800**

- 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.

**Epson Stylus Pro 9800**

- Optional Automatic Take-up Reel System for unattended production

**High-precision Ink Cartridge**

- Supports 16 colors total

- Includes one USB 2.0, one IEEE 1394 (FireWire®) and one Epson Expansion Slot used for installing

- Printer Weight: 198 lb

- Printer Weight: 131 lb

- Printer Resolution:
  - 2880 x 1440 dpi
  - 1440 x 720 dpi HS
  - 720 x 720 dpi HS
  - 576 x 454 dpi HS

- Maximum Printable Width:
  - 44.16"
  - 44" – 44.16"

- Paper Output Weight:
Epson Stylus Pro 7800 and 9800 Print Engine Specifications

**Left and right borderless "bleed" printing**

(Ethernet included in Pro Edition bundle)

Macintosh Panther 10.3.9 or higher

24” x 30” prints from 2:12 to 26:54 - Normal is 14:18

SP9800

for the following roll media widths:

- Superfine 10 ml ink cartridges: 24”, 44”, 60”, 110”, 160”, 384”
- Superfine 220 ml ink cartridges: 24”, 44”, 60”, 110”, 160”, 384”

Additional Two-year Epson Warranty (Pro Edition)

- PreciseColor™ Technology
- AMC™ technology

EPSON UltraChrome K3 Ink Color: Up to 108 years

Ink Maintenance Tank C12C890191

Cutter Blade C12C815291

Manual Media Cutting System C12C815231

Ink cartridge size 1 10 ml or 220 ml

Replacement 44” Paper Roller Spindle C12C815251

Additional One-year Epson Warranty

- High-speed print engine technology (HS)
- Epson Stylus Pro 7800
- Epson Stylus Pro 9800

Ink lightfastness rating based on accelerated testing of prints on specialty media, displayed indoors, usually next-business-day on-site service. Optional plans available.

- Built-in sensor reads nozzle check pattern and automatically clean if needed.
- Proprietary Epson screening technology developed specifically for black-and-white printing
- High-speed ink delivery at all print speeds, while dramatically reducing the physical size of the print head
- Proprietary Epson screening technology for black-and-white prints.

**High-speed print engine technology**

- All new high-performance print heads
- High-speed print engine technology allows for output up to 2x faster than its predecessor (MS = Monochrome Speed Print Mode)
- Print speeds are shown in min:sec.  HS = High Speed Print Mode (Bi-directional Print Mode)
- 720 x 720 dpi HS
- 1440 x 1440 dpi MS

- Utilizes both 1 10 ml and 220 ml ink cartridges simultaneously
- On-the-fly ink cartridge replacement for increased productivity
- Utilizing our latest high-performance print head technology, both the Epson Stylus Pro 7800 and Pro 9800 feature Epson’s four-color print head technology, all with virtually no color casts and extremely fine blends and photographic transitions

**Epson UltraChrome K3 Ink Technology**

- Extremely fine blends and photographic transitions
- Extremely sharp and accurate placement of ink droplets for outstanding photographic quality
- All New 8-channel Print Head Technology
- High-quality print technology
- On-the-fly ink cartridge replacement for increased productivity
- Utilizes both 1 10 ml and 220 ml ink cartridges simultaneously

**Epson PreciseColor™ Technology**

- Accurate automatic loading of cut-sheet media up to 24-inch or 44-inch
- User adjustable Roll Media Spindle accepts either 2-inch or 4-inch cores
- On-the-fly ink cartridge replacement for increased productivity
- Uses advanced filtering techniques and color management algorithms

**New Advanced Black-and-white Printing Technology**

- New Advanced Black-and-white Printing Technology
- High-speed print engine technology allows for output up to 2x faster than its predecessor
- All New 8-channel Print Head Technology
- On-the-fly ink cartridge replacement for increased productivity
- Utilizes both 1 10 ml and 220 ml ink cartridges simultaneously

**Product/Accessories Part Numbers**

- Paper Roller Spindle C12C815251
- Cutter Blade C12C815291
- Manual Media Cutting System C12C815231
- Ink Maintenance Tank C12C890191
- High-speed print engine technology allows for output up to 2x faster than its predecessor
- All New 8-channel Print Head Technology
- On-the-fly ink cartridge replacement for increased productivity
- Utilizes both 1 10 ml and 220 ml ink cartridges simultaneously

**Epson Stylus Pro 7800 and 9800**

**Epson Stylus Pro Print Engine C594001UCM C59-5001UCM**

**Epson UltraChrome K3 Ink Color: Up to 108 years**

**Ink Maintenance Tank C12C890191**

**Cutter Blade C12C815291**

**Manual Media Cutting System C12C815231 C 815182**

**Epson Stylus Pro 7800**

**Epson Stylus Pro 9800**
Epson Stylus Pro 7800 and 9800 Print Engine Specifications

- **Color and Monochrome**: 180 nozzles x 8
- **8-channel Print Head Technology**: Next Generation Print Head Technology
- **New Advanced Black and white Printing Technology**: Designed specifically for black-and-white printing
- **Proprietary Epson screening technology**: Developed for black-and-white printing
- **Unique driver technology**: Takes full advantage of our three-level black system
- **Epson UltraChrome K3 Ink Color**: Up to 108 years
- **Lightfastness Ratings**: Each color x 8 colors total
- **Printable Area**: Approximately 50 dB(A) according to ISO 7779
- **Acoustic Noise Level**: Operating
- **Power consumption**: Approx. 55 W or less (operating)

**Dimensions and Weight**:

<table>
<thead>
<tr>
<th>Model</th>
<th>Dimensions</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP7800</td>
<td>67&quot;(W) x 47&quot;(H) x 26.7&quot;(D)</td>
<td>198 lb</td>
</tr>
<tr>
<td>SP9800</td>
<td>46.3&quot;(W) x 46.5&quot;(H) x 29.3&quot;(D)</td>
<td>222 lb</td>
</tr>
</tbody>
</table>

**Media Input**:

- Single roll up to 44" width
- Single roll up to 24" width
- Cut-sheet size: Up to 24" wide media
- Media core compatibility: Handles both 2" and 3" cored media
- Media cutter: Used for cutting very thick media
- Take-up reel system: Not available
- Paper roller spindle: Not available
- Cutter blade: Not available

**Epson Stylus Pro 7800 and 9800**:

- **On-the-fly ink cartridge replacement**: For increased productivity
- **World Class Service and Support**: Fully supported by most leading third-party RIPs and workflows – the new standard by which professional Epson photographic drivers for Macintosh® and Windows®
- **Reports**: Can be downloaded from printer memory or printed
- **Epson PrintJob™ Information System**: Superior connectivity

WELCOME TO THE NEXT LEVEL.