



# Epson Stylus<sup>®</sup> Pro 7700/9700

Performance. Precision. Brilliance.

For more than a decade, Epson has set the standard by which all other photographic printing technologies are judged. So, when our engineers decided to build the ultimate printing technology for Engineering Scientific and Display Signage applications, we focused on three main goals — Performance, Precision, and Brilliance.

## Introducing the all-new Epson Stylus<sup>®</sup> Pro 7700 and 9700 printers

The Epson Stylus Pro 7700 (24-inch) and Epson Stylus Pro 9700 (44-inch) incorporate our latest achievements in high-performance ink jet printing. By combining the extreme precision of our MicroPiezo<sup>®</sup> TFP<sup>™</sup> print head with the extraordinary performance of Epson UltraChrome<sup>®</sup> Vivid Magenta Ink, our newest generation of Epson Stylus Pro printers represent a level of printing technology unprecedented within the Engineering Scientific and Display Signage markets.

Our advanced Epson MicroPiezo TFP print head is capable of producing extremely precise text and line-art, along with brilliant photographic quality prints, at speeds almost twice as fast as our previous generation. And, with our latest ink-repelling coating and auto nozzle verification technologies, clogged nozzles are virtually eliminated.

Epson UltraChrome Vivid Magenta represents our latest generation of pigment ink technology. Utilizing four colors — including Dual Black ink technology — Epson UltraChrome Vivid Magenta Ink produces industry-leading color with true archival capability. Even more remarkable, when combined with our new Epson AccuPhoto<sup>™</sup> HD screening technology, Epson has once again raised the level of photographic print quality, while setting a new benchmark standard for line-art precision reproduction and color accuracy.

## High-Precision Ten-Channel Epson MicroPiezo TFP<sup>™</sup> Print Head

- High-Precision Ten-Channel Epson MicroPiezo TFP print head
- Thin Film Piezo (TFP) print head design capable of extreme dot placement accuracy
- One-inch wide, high performance print head with 720 nozzles per color
- Extreme line accuracy of +/- 0.1% at line weights as low as 28 micrometers
- All-new ink repelling coating for dramatically reduce nozzle clogging
- Produces variable-sized droplets as small as 3.5 picoliters to greatly decrease print times while optimizing photographic quality

## Epson UltraChrome with Vivid Magenta Ink Technology

- Next Generation Four-Color Pigment-Based Ink System
- Unique High Dynamic Range pigments for an extremely wide color gamut
- Four-color printing system including Dual Black ink technology
- Produces true archival prints up to 200 years<sup>1</sup>
- Improved black density up to a D-max of 2.6 with an L\* value as low as ~3.0<sup>2</sup>

<sup>1</sup> Visit [www.wilhelm-research.com](http://www.wilhelm-research.com) for the print permanence latest information

<sup>2</sup> Dmax and L\* values are based on Epson Premium Semigloss Photo Paper (250)

## Automatic Dual Black Ink Modes

With both Photo and Matte Black ink cartridges installed simultaneously, the Epson Stylus Pro 7700 and 9700 series printers automatically utilize the optimal Black ink mode, delivering maximum black density for the chosen media.

The standard Photo Black ink mode can be used for any media type with professional results. However, for certain media types, such as plain bond and tracing papers, using the Matte Black ink mode will dramatically increase your black optical density and sharpness for even better print quality.

## Professional Media Handling

- Compatible with virtually any media type, in roll or cut sheet, up to 24 or 44 inches wide
- Accurate loading of cut-sheet media and up to 1.5 mm thick posterboard
- All media is front-loaded via a unique straight-through media path
- Printer and driver based media identification and synchronization system for virtually error-free media use
- Media bin safely captures multiple prints up to 24" x 36" or 44" x 36"
- Optional Automatic Take-up Reel System for unattended production of large print runs (available on the Epson Stylus Pro 9700 only)

## High Performance Print Engine Speeds

Utilizing our latest print head technology, the Epson Stylus Pro 700 series printers are among the fastest wide-format printers in the industry.

## Superior Connectivity and File Compatibility

- Connectivity includes one USB 2.0 and one 10/100 BaseT Ethernet port
- Epson Professional Photographic Drivers for Macintosh<sup>®</sup> and Windows<sup>®</sup>
- Epson HDI Driver Support
- View Companion Express Software included with full support for printing HPGL, HPGL/2, HP-RTL, and CALS file formats from Microsoft<sup>®</sup> Windows
- Epson high-resolution PDF file support and printing

## Popular POS Print Size Speeds

| Print Mode                | 16" x 20" | 20" x 30" | 40" x 60"<br>(9700 only) | Ft <sup>2</sup> per Hour |
|---------------------------|-----------|-----------|--------------------------|--------------------------|
| Draft - 360 dpi HS*       | 21 sec    | 37 sec    | 1:36                     | 619                      |
| Fine - 720 dpi HS*        | 41 sec    | 1:16      | 3:22                     | 294                      |
| SuperPhoto - 1440 dpi HS* | 1:55      | 3:32      | 9:14                     | 107                      |

## Popular CAD Plot Size Speeds

| Print Mode                | C-Size Plot (17" x 22") | D-Size Plot (22" x 34") |
|---------------------------|-------------------------|-------------------------|
| Draft - 360 dpi HS*       | 20 sec                  | 31 sec                  |
| Fine - 720 dpi HS*        | 38 sec                  | 1:06                    |
| SuperPhoto - 1440 dpi HS* | 1:46                    | 3:09                    |

\* HS = High-Speed Print Mode (Bi-directional Print Mode) Print speeds are shown in min:sec

# Epson Stylus Pro 7700 and 9700 Print Engine Specifications

## Printing Technology

Advanced MicroPiezo TFP print head  
with ink-repelling coating technology  
10-channel, drop-on-demand, ink jet print head  
5-cartridge (C, VM, Y, PK or MK)  
Auto head alignment and cleaning technology  
Dual Black ink technology  
Epson UltraChrome with Vivid Magenta Ink technology  
Professional-level pigment-based ink technology

## Nozzle Configuration

Color and Monochrome 720 nozzles x 5

## Droplet Technology

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

## Resolution

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

## Print Engine Speed Graphics<sup>a</sup>

16" x 20" prints from 0:21 to 1:36 – 619 sq ft per hour  
22" x 30" prints from 0:41 to 3:22 – 294 sq ft per hour  
40" x 50" prints from 1:55 to 9:14 – 107 sq ft per hour

## Print Engine Speed CAD<sup>b</sup>

C-size Plot from 0:20 to 1:46 – Normal is 20 Seconds  
D-size Plot from 0:31 to 3:09 – Normal is 31 Seconds

## Acoustic Noise Level

Approximately 46 dB(A) according to ISO 7779

## Operating Systems Supported

**Macintosh** Tiger 10.4.9 or higher (universal binary) Leopard 10.5 or higher and Snow Leopard 10.6 or Higher (16-bit image file support)  
**Windows** Vista, XP, and Windows 7 (both 32-bit and 64-bit supported)

## Printer Interfaces

Includes as standard one Hi-Speed USB 2.0 (1.1 compatible) and one Ethernet port (10/100Base-T)

## Dimensions

**SP7700** 54" (W) x 27" (D) x 48" (H)  
Weight: 220 lb  
**SP9700** 74" (W) x 27" (D) x 48" (H)  
Weight: 295 lb  
Dimensions and weight include printer stand

## Included Workflow Software

ViewCompanion Express Preview and Print Software  
File types supported: HPGL, HPGL/2, HP-RTL, CALS 4

## Included CAD Driver Support

Included HDI print drivers Support AutoCAD Versions 2004-2010

## Printable Area

|                          |   |                 |
|--------------------------|---|-----------------|
| Maximum paper width      | SP7700 – 24"                                    | SP9700 – 44"    |
| Maximum printable width  | SP7700 – 24.16"                                 | SP9700 – 44.16" |
| Left and right margins   | 0 to 3 mm each (0.24" total)                    |                 |
| Maximum printable length | Limited by application, OS, and driver/RIP used |                 |
| Minimum paper width      | 210 mm (8.27")                                  |                 |

## Media Handling

|               |                                       |  |
|---------------|---------------------------------------|--|
| <b>SP7700</b> | Media input                           | Single roll up to 24" width  |
|               | Cut-sheet size                        | Up to 24" wide media (auto-loading)                                    |
| <b>SP9700</b> | Media input                           | Single roll up to 44" width  |
|               | Cut-sheet size                        | Up to 44" wide media (auto-loading)                                    |
|               | Roll media take-up reel (SP9700 only) | Auto forward and backward; Light-based media tension sensor            |
|               | Media core compatibility              | User-adjustable roll media adapters accept either 2" or 3" media cores |
|               | Max. roll media diameter              | 6" (when using a 3" core)  |
|               | Media weight                          | 12 lb bond (0.08 mm), up to 1.5 mm posterboard                         |
|               | Minimum sheet size                    | 210 mm x 279 mm / 8.27" x 11"  |
|               | Built-in media cutter                 | Rotary cutting, automatic and manual                                   |

## BorderFree<sup>®</sup> Printing

Left and right borderless "bleed" printing for the following roll media widths:

**SP7700** 10", 13", 16", 17", 24"  
**SP9700** 10", 13", 16", 17", 24", 36", 44"

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

## Epson Intelligent Pressurized Ink Cartridges<sup>®</sup>

|  |   |
|--|---|
| Starter cartridge fill volume          | 110 ml x 5 total colors (used for initial fill at setup)    |
| Replacement cartridge fill volume      | 150 ml, 350 ml or 700 ml, each color x 5 colors total       |
| Ink cartridge shelf life (recommended) | 2 years from printed production date or 6 months after open |

## Lightfastness Ratings<sup>c</sup>

Epson UltraChrome with Vivid Magenta Ink:  
Color: Up to 200 years  
B&W: Over 200 years

## Epson PreciseColor<sup>™</sup> Manufacturing

In order to ensure consistent printing between multiple Epson Stylus Pro printers of the same model, Epson has refined the manufacturing process to include colorimetric calibration. This process evaluates and adjusts each printer's performance at the manufacturing stage, ensuring consistent color output from printer to printer and print to print.

## Product/Accessories

|  | Part Numbers    |                 |
|--|-----------------|-----------------|
|  | SP7700          | SP9700          |
| Epson Stylus Pro Printer                 | SP7700RAC       | SP9700RAC       |
| Automatic Take-up Reel System            | Not Available   | C12C815321      |
| Additional Roll Media Adapters           | C12C811241      | C12C811241      |
| Replacement Printer Cutter Blade         | C12C815331      | C12C815331      |
| Replacement Ink Maintenance Tank         | C12C890501      | C12C890501      |
| <b>Epson UltraChrome VM Ink (150 ml)</b> | <b>(150 ml)</b> | <b>(350 ml)</b> |
| Photo Black ink cartridge                | T642100         | T5961000        |
| Cyan ink cartridge                       | T642200         | T596200         |
| Vivid Magenta ink cartridge              | T642300         | T596300         |
| Yellow ink cartridge                     | T642400         | T596400         |
| Matte Black ink cartridge                | T642800         | T596800         |

- 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 Fine – 720 dpi.
- B Cartridge yields vary considerably for reasons including images printed, print settings, temperature and humidity. Yields may be lower when printing infrequently or predominantly with one ink color. A variable amount of ink remains in the cartridge after the "replace cartridge" signal. Part of the ink from the first cartridges is used for priming the printer. Ink is used for both printing and print head maintenance. All inks are used for both black and color printing. For more information about cartridges see [www.epson.com/cartridgeinfo](http://www.epson.com/cartridgeinfo).
- 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](http://www.wilhelm-research.com) for the latest information.

For more details, visit our website at:  
[www.proimaging.epson.com](http://www.proimaging.epson.com)

## Better Products for a Better Future<sup>™</sup>

For more information on Epson's environmental programs, go to [eco.epson.com](http://eco.epson.com)

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