Epson Stylus Pro 7900 and 9900 Print Engine Specifications

Printing Technology
Advanced MicroPiezo TFP print head
  with ink repelling coating technology
10-channel, drop-on-demand, ink jet print head
11-cartridge (O, G, C, Lc, VM, VLm, Y, Lk, LLk + PK or MK)
Auto head alignment and cleaning technology
Auto sharing black ink channel
Epson UltraChrome HDR Ink technology
Professional-level pigment-based ink technology

Nozzle Configuration
Color and Monochrome	360 nozzles x 10

Droplet Technology
Smallest droplet size	3.5 picoliters

Variable Droplet Technology produces up to three different droplet sizes per print line

Resolution
2880 x 1440 dpi; 1440 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 2:53 to 7:14	–	Normal is 3:47
20" x 30" prints from 5:03 to 12:52	–	Normal is 6:39
40" x 60" prints from 15:26 to 40:05	–	Normal is 24:20

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

Operating Systems Supported
Macintosh	Tiger 10.4.9 or higher (universal binary) Leopard 10.5 or higher (16-bit image file support)
Windows	Vista and XP (both 32- 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
SP7900	54" (W) x 27" (D) x 48" (H) Weight: 187 lb
SP9900	74" (W) x 27" (D) x 48" (H) Weight: 256 lb

Dimensions and weight include printer stand

BorderFree® Printing
Left and right borderless "bleed" printing for the following roll media widths:
SP7900	10", 13", 16", 17", 24"
SP9900	10", 13", 16", 17", 24", 36", 44"

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

Optional SpectroProofer (24/44)
Carriage mechanism	24" or 44" wide
Spectrophotometer	X-Rite ILS20ED
Measurement accuracy	Below 0.2 dE94
Minimum patch size	7.9 mm x 7.9 mm
Measurement time	15 patches per second
UV handling	UV and UV-cut version available (at time of order)
Backing color	White and black backing plates included
Workflow integration	Most leading third-party RIPs and workflows

Printable Area
Maximum paper width	SP7900 – 24"	SP9900 – 44"
Maximum printable width	SP7900 – 24.16"	SP9900 – 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
SP7900	Media input	Single roll up to 24" width
	Cut-sheet size	Up to 24" wide media (auto-loading)
SP9900	Media input	Single roll up to 44" width
	Cut-sheet size	Up to 44" wide media (auto-loading)
Roll media take-up reel (SP9900 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 (0.8 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

Epson Intelligent Pressurized Ink Cartridges[B]
Starter cartridge fill volume	110 ml x 11 total colors (used for initial fill at setup)
Replacement cartridge fill volume	150 ml, 350 ml or 700 ml, each color x 11 colors total
Ink cartridge shelf life (recommended)	2 years from printed production date or 6 months after open

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

Epson PreciseColor™ 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

Product/Accessories	SP7900	SP9900
Epson Stylus Pro Printer	SP7900HDR	SP9900HDR
Epson SpectroProofer UV-cut filter version	SPECTRO24 SPECTRO24UV	SPECTRO44 SPECTRO44UV
Automatic Take-up Reel System	Not Available	C12C815321
Replacement 44" Take-up Reel Core	Not Available	C815121
Additional Roll Media Adapters	C12C811241	C12C811241
Replacement Printer Cutter Blade	C12C815331	C12C815331
Replacement Ink Maintenance Tank	C12C890191	C12C890191

Extended Service Programs
	SP7900	SP9900
Additional One-year Epson Preferred Plus service	EPP900B1	EPP900B1
Additional Two-year Epson Preferred Plus service	EPP900B2	EPP900B2
Additional One-year Epson Preferred Plus SpectroProofer only	EPPSPB1	EPPSPB1

Epson UltraChrome HDR Ink

	(150 ml)	(350 ml)	(700 ml)
Photo Black ink cartridge	T642100	T596100	T636100
Cyan ink cartridge	T642200	T596200	T636200
Vivid Magenta ink cartridge	T642300	T596300	T636300
Yellow ink cartridge	T642400	T596400	T636400
Light Cyan ink cartridge	T642500	T596500	T636500
Vivid Light Magenta ink cartridge	T642600	T596600	T636600
Light Black ink cartridge	T642700	T596700	T636700
Matte Black ink cartridge	T642800	T596800	T636800
Light Light Black ink cartridge	T642900	T596900	T636900
Orange ink cartridge	T642A00	T596A00	T636A00
Green ink cartridge	T642B00	T596B00	T636B00

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 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/cartridge info

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.

For more details, visit our website at:
www.proimaging.epson.com

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For more information on Epson's environmental programs, go to www.epson.com/environment

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