FUJI Xerox

Epson Stylus™ Pro 4900 | Pro 7900 | Pro 9900

A New Generation of Large Format Printers

Stylus Pro 9900

Stylus Pro 7900

Stylus Pro 4900

The Epson Stylus™ Pro 4900, 7900 and 9900

– a new generation of large format printers that deliver even higher levels of **image** and **colour quality, productivity** and **cost-effectiveness**.

Image Quality

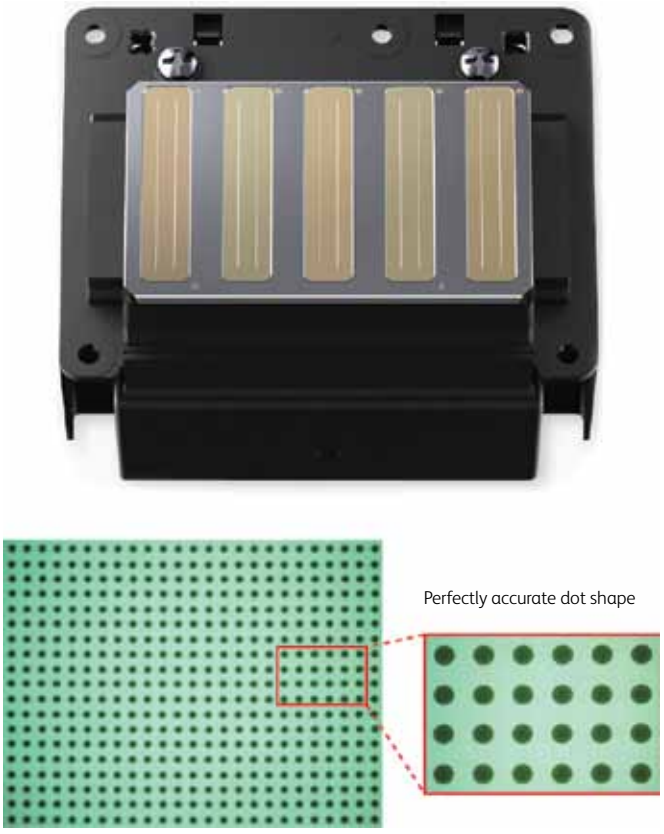
When it comes to image quality, the Epson Stylus Pro family of large format printers has long been regarded as the global leader. With the introduction of the Epson Stylus Pro 4900, 7900 and 9900, that leadership in **quality output** has again raised the bar for others to follow. This is largely due to new technologies that include:

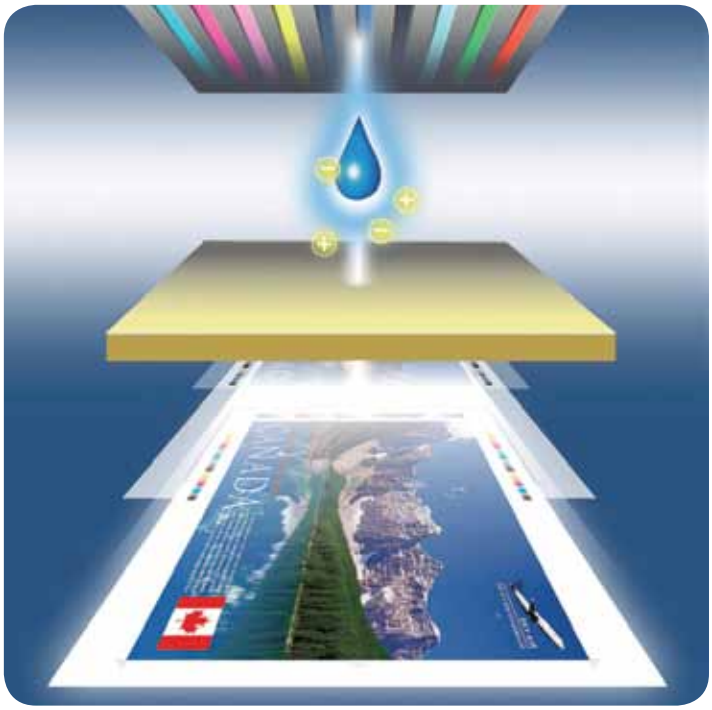
- Epson MicroPiezo™ TFP Print Head technology
- Variable-Sized Droplet Technology
- 2880 x 1440 dpi resolution
- Advanced LUT (Look-Up Table) technology
- New 1440 x 1440 dpi print mode

Epson MicroPiezo TFP Print Head Technology

Building on the print head technology leadership established by Epson with the solid-state MicroPiezo print head, **the** Epson Stylus Pro 4900, 7900 and 9900 feature the **Epson MicroPiezo TFP (Thin Film Piezo) print head**.

Featuring 10-channel print head technology, the new one-inch wide print head features a massive **360 nozzles per colour** (channel), delivering **twice the nozzle count** of earlier models and is therefore able to print at nearly **twice the speed.** Another advance made with the MicroPiezo TFP print head is an ink-repelling coating, which **reduces clogging**. As a result, there is less printer down-time and cleaning requirements, all of which help to minimise running costs.





High Speed Rotary-Type Cutter

With a four-second, automatic rotary-type paper cutter that has been designed to support all paper (including adhesive), cloth and canvas medias, the Epson Stylus Pro 4900, 7900 and 9900 help to streamline the production and postproduction processes by accurately and cleanly cutting roll media prints.

Media Barcode Tracking and Identification System

An in-built Media Barcode Tracking and Identification System enables the Epson Stylus Pro 4900, 7900 and 9900 to record – by means of barcode printing – media type and remaining length on roll media. Using the barcoded information, **the printers automatically verify the media type and remaining length** when partially used rolls of media are loaded. Along with helping to reduce media wastage, the barcode tracking system helps to eliminate costly production errors arising from incorrect media selection.

Automatic Ink Droplet Detection System

Using precision electrical charge detection technology, the Epson Stylus™ Pro 4900, 7900 and 9900's Automatic Ink Droplet Detection System **detects minute electrical charges** on ink droplets fired by the MicroPiezo™ TFP print head. Activated each time the printer is turned on and after predetermined periods of time, the system automatically enters head-cleaning mode if an insufficient electrical charge is detected, which signifies ink jet clogging.

Ease-of-Use

In the high demand world of professional large format printing, simplicity of operation is of paramount importance. With the Epson Stylus Pro 4900, 7900 and 9900, ease-of-use is a given.

Colour LCD Control Panel

Providing operators with a greater level of ease-of-use, the Epson Stylus Pro 4900, 7900 and 9900 incorporate an advanced control panel and colour LCD. Featuring one-touch buttons for job pause/cancellation, paper cut, Photo Black/Matte Black ink change, paper feed release/close and ink cartridge holder cover control, the panel has been designed to assist operators improve productivity by simplifying printer operation and control.

Innovative Roll Paper Handling

In affording truly versatile and flexible media management, the Epson Stylus Pro 7900 and 9900 **require no spindle**. Instead, the printers utilise a media holding system that simplifies roll media loading and automatically adjusts roll paper skew settings.

Dual-Tension Roll Feed Spindle (4900 only)

To prevent misalignment that can result in uneven feeding and lower print quality, the Epson Stylus® Pro 4900 uses a dual-tension roll feed spindle. Providing easier roll paper handling, it lets you quickly switch from normal tension to high tension when using thinner media. Convenient adapter collars ensure compatibility with both 2" and 3" rolls.

High Productivity

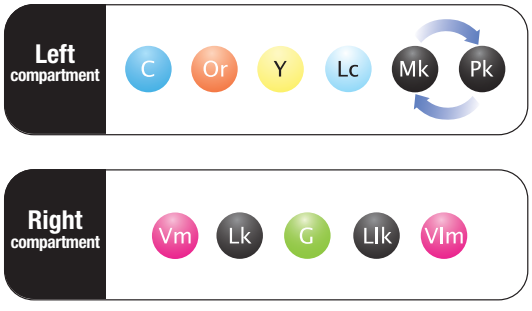
In high-demand professional printing environments, the range of productivity features included with the Epson Stylus™ Pro 4900, 7900 and 9900 ensure operators are better able to **increase volume output** while maintaining **industry leading print quality**.

Large Capacity Ink Cartridges

Featuring the ability to handle large capacity **700ml ink cartridges**, the Epson Stylus Pro 7900 and 9900 represent an ideal solution for high throughput environments without the need for constant changing of ink cartridges. Along with their 700ml ink cartridge handling capabilities, the printers can also utilise 350ml capacity cartridges.

Automatic Switching between Photo and Matte Black Inks

Included in the Epson Stylus Pro 4900, 7900 and 9900 is a feature that provides automatic switching between Photo and Matte Black inks. With both ink cartridges installed, the printer automatically switches between Photo Black for glossy media, and Matte Black for matte-type media. In any professional printing environment, this feature ensures a single printer can be used for different types of media without the need for changing inks and flushing ink lines, giving **increased flexibility** and **reduced running costs**.



Thick Media Support

Adding significantly to the versatility of the Epson Stylus Pro 4900, 7900 and 9900 is their ability to handle media **up to 1.5mm in thickness**. With this ability, the printers can produce high quality output ready for immediate framing – eliminating the need for mounting.

Handy Alert Lamp (Stylus Pro 4900 only)

An easily visible alert lamp on the front of the printer notifies you when ink or paper needs to be replaced, or of other conditions (configurable), so you are immediately aware of them even from across the room.

Variable-Sized Droplet Technology

By controlling the electric pulse applied to the print head's piezo element, the Epson Stylus™ Pro 4900/7900/9900's **MicroPiezo™ print head** is capable of producing several different sizes of ink droplets, depending on the image type and media used. This new generation of MicroPiezo print head improves the Variable-Sized Droplet function to **improve image quality while optimising print speed**.

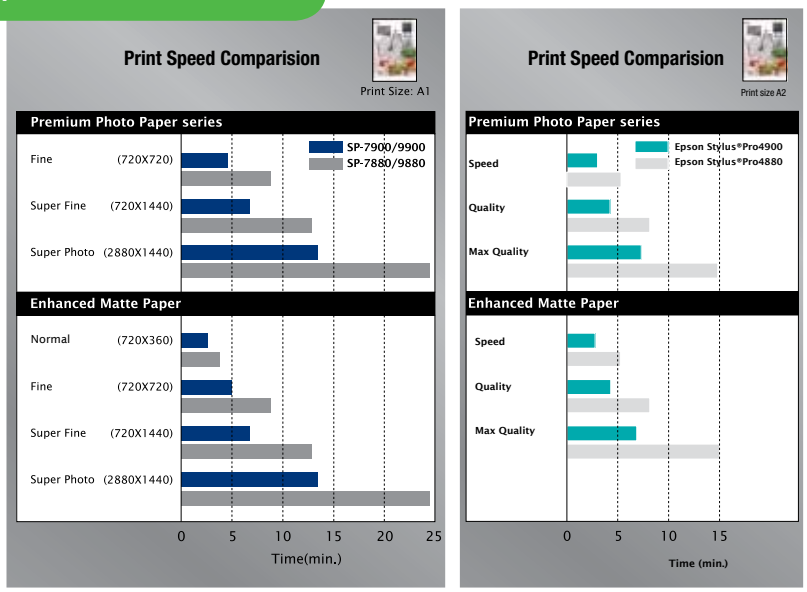
2880 x 1440 dpi resolution

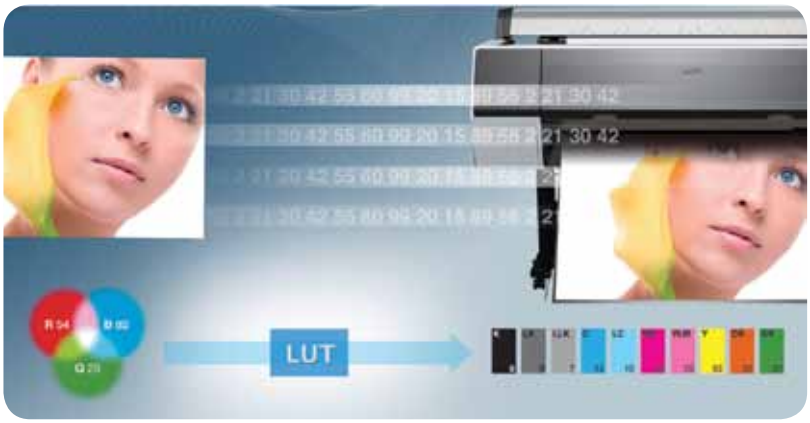
The Epson Stylus Pro 4900, 7900 and 9900 offer industry-leading output quality, with print resolutions of up to 2880 x 1440dpi. This is achieved as the result of technologies that include Variable-Sized Droplet Technology, which supports ink droplets as small as 3.5pl, and Advanced Meniscus Control, which enables the printer to **deliver sharp, accurately placed spherical ink droplets with high levels of precision**.

1440 x 1440 dpi mode

With the addition of a new **print resolution** – 1440 x 1440 dpi – which can be used in conjunction with a third-party RIP, the Epson Stylus Pro 4900, 7900 and 9900 deliver improved **quality and dot sharpness** when generating 1 bit TIFF proofs.

Up to 2.5 times faster!





High Speed Throughput

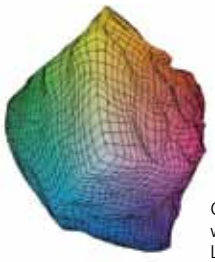
In contrast to their predecessors, the Epson Stylus Pro 4900, 7900 and 9900 are able to achieve print throughput at rates up to more than **twice the speed***.

* Based on A1 plain paper draft mode
* Based on A2 plain paper draft mode

Advanced LUT technology

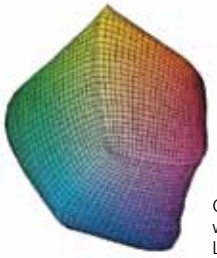
Utilising a new and sophisticated colour LUT (Look-Up Table) technology, the Epson Stylus Pro 4900, 7900 and 9900 printers achieve **high levels of optimisation** in the key image quality areas of:

Poor gradation

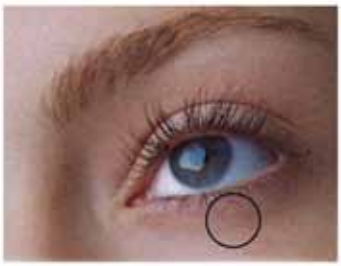


Colour gamut with nonsmooth LUT gradation

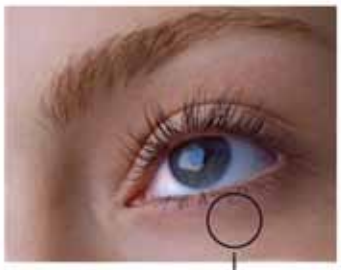
Good gradation



Colour gamut with smooth LUT gradation



LUT with poor grain characteristics



LUT with good grain characteristics

LUT quality affects the graininess of skin tones.

- **Smoother gradations:**
  In combination with the 10-colour ink system, the new LUT technology delivers prints with noticeably **smoother colour gradations and transitions**.

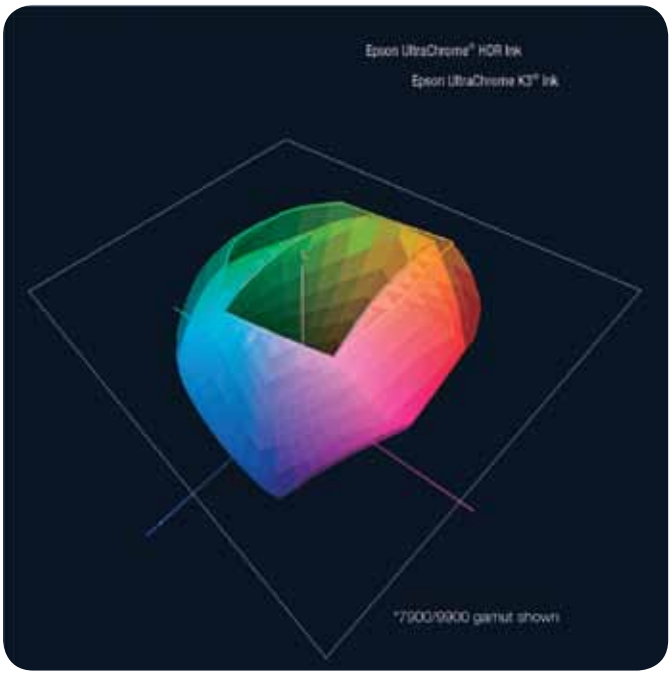
- **Grain reduction:**
  By improving the ink combination selection process, the new LUT technology dramatically **reduces instances of image grain** that tend to be prevalent in skin tones.

- **Colour constancy:**
  With a colour constancy level of less than DeltaE 1.0, print colours remain **visually consistent** when viewed under different lights and lighting conditions.

Colour Gamut

Underpinning the Epson Stylus™ Pro 4900, 7900 and 9900's ability to deliver the highest quality images on a wide variety of media is the dramatically **extended colour gamut** achieved by means of the newly developed 10-colour Epson UltraChrome™ HDR Ink Technology.

This feature extends proofing capabilities by expanding the gamut to accurately reproduce **more spot colours** than ever before. When used in conjunction with a third-party RIP, more spot and PANTONE™ colours are covered when compared to a typical 8-colour ink set. Professional photographers and producers of fine art will also appreciate the expanded colour gamut, which gives **greater colour control** when editing high dynamic range images.



98% Pantone® Coverage

Epson UltraChrome® HDR Ink breaks new ground by achieving 98% coverage (1,301 colours) of the Pantone+ formula guide solid coated colours. This extra wide gamut ensures vivid colour rendering and more precise colour matching.

* 98% coverage of PANTONE+ FORMULA GUIDE solid coated palette based on Epson Proofing Paper White Semimatte printed with Epson printer driver at 2880x1440dpi. PANTONE coverage may vary when printed with a third- party RIP.
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PANTONE® Digital Color

Epson UltraChrome K3 Ink with VM

Epson UltraChrome HDR Ink

Epson UltraChrome HDR Ink Technology

In building on the advances introduced with the Epson UltraChrome K3 Ink with Vivid Magenta, Epson has engineered the UltraChrome HDR (High Dynamic Range) pigment ink technology. While still retaining its predecessor's key features, such as three-level black ink for superb grey balance, and smooth tonal gradation from shadow to highlight, UltraChrome HDR comprises several new important innovations that contribute to dramatically enhanced print and colour quality.

Three-Level Black Ink Technology

Epson UltraChrome HDR Ink eliminates the colour twist and short tonal gradation problems traditionally faced by black-and-white photographers using digital printers, delivering black-and-white prints that rival those created with silver-halide processes. A three-level black ink technology – Black, Light Black and Light Light Black – gives Epson Stylus Pro 4900, 7900 and 9900 prints:

- Smooth tonal gradation with no colour twist
- Rich shadow and highlight detail
- High, black D-max with glossy media
- Unrivalled neutral grey tones

The use of three black inks also allows for a more stable and accurate grey balance, which provides professional users with more accurate colour control due to the smaller quantity of colour inks used.

10-Colour Ink System

One of the most significant advantages of UltraChrome™ HDR Ink is the **inclusion of Orange and Green inks**, which bring about a dramatic expansion of the colour gamut, especially in the green to yellow, and yellow to red ranges. In particular, with the new orange ink, the Epson Stylus™ Pro 4900, 7900 and 9900 printers deliver a major reduction in image grain that is typically evidenced in skin tone reproductions.

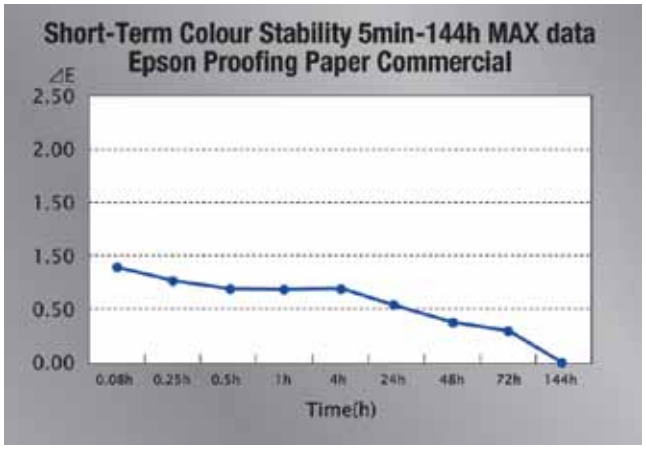
Overall, the two new inks afford users an incredibly wide colour gamut – on a variety of media – that contributes to their ability to generate prints of outstanding quality.

Excellent Short and Long Term Colour Stability

When Epson UltraChrome HDR Ink is fired onto the media by the MicroPiezo™ TFP print head, it is rapidly absorbed deep into the substrate and as a result, colours become resistant to change and stabilise quickly. Using genuine Epson media, the new ink delivers prints with:

- Lightfastness ratings of up to 75 years* for colour and over 200 years* for black-and-white prints
- Stable colour in just 30 minutes
- Excellent water resistance
- Improved scratch resistance

*Pertains to information on the specification page



Advanced SpectroProofer

To further help operators achieve absolute colour accuracy, the Epson Stylus Pro 4900, 7900 and 9900 can be configured with an **optional SpectroProofer**, enabling professional colour workflows by means of automatic colour calibration and verification.

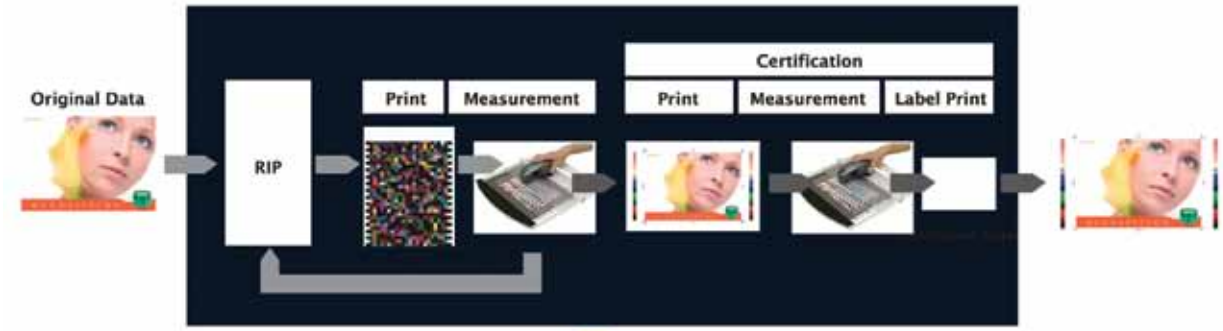
Through automation of those processes and with a mounting unit for the SpectroProofer, the result is a simplified workflow. Importantly, mechanical scanning ensures repeatability and thereby **reduces labour costs while delivering accurate output**.

To compensate for optical brighteners in media, the SpectroProofer is available in two models – with or without a UV cut filter.

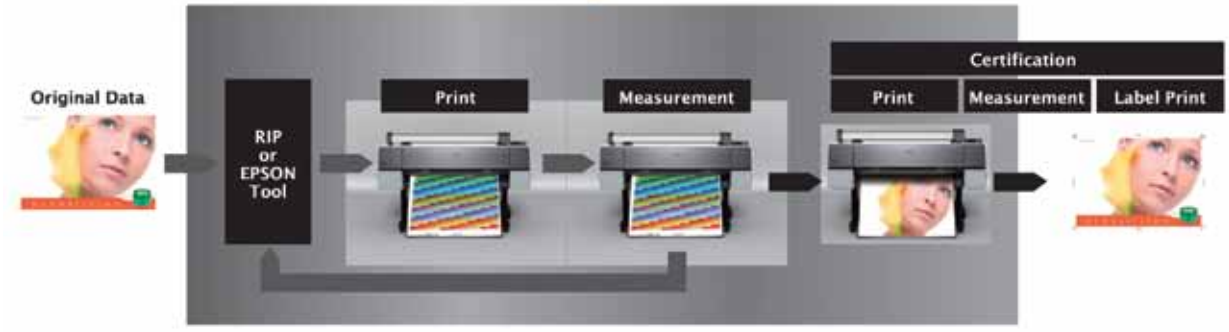
The flexibility of these options will ultimately allow users to generate a colour certification label advising if the proof has passed or failed. This ability is critical in the area of remote and contract proofing.

This option adds flexibility to easily integrate with all your existing workflow and operates with a black or white backing of the measurement patch, ensuring **conformity with the ISO-12647-7 standard for proofing**.

Existing Manual Process



New Automated Process



Epson Stylus™ Pro 4900 | 7900 | 9900 Specifications

EPSON ULTRACHROME HDR INK
HIGH DYNAMIC RANGE

EPSON
EXCEED YOUR VISION

11/08
ABN: 91 002 625 783

Epson Stylus Pro 4900

SIZE	• 17 inch wide (A2+)
INK MODE	• 10 Colour (11 inks onboard) Auto switching between Photo and Matte Black
PRINT TECHNOLOGY	• Print Head: Advanced MicroPiezo® TFP (Thin Film Piezo) Print Head Automatic Head Alignment Technology • Nozzle Configuration: 360 nozzles per colour / Automatic Nozzle Check Technology • Print Direction: Bi-directional printing, uni-directional printing
PRINT RESOLUTION	• Maximum resolution: 2880dpi x 1440dpi with Epson Variable Sized Droplet Technology • Maximum Ink Droplet Size: 3.5pl
INK SYSTEM	• Ink Type Epson UltraChrome® HDR (High Dynamic Range) Ink • Configuration 10-Colours pigment ink (C, VM, Y, PK, MK, LC, VLM, LK, LLK, O, G) with 11 slots • Ink Cartridge Individual high capacity, hot swappable ink cartridge • Ink Capacity 200ml
PRINTER SPEED – A2 SIZE	• Draft (360 x 360dpi) 0.5 minutes • Fine (720x720dpi) 2.7 minutes • Super Fine (720x1440dpi) 3.5 minutes • Super Photo (2880x1440dpi) 4.2 minutes
PRINTER DRIVER	• Windows®7/7x64/Vista/Vista64/XP/XPx64/2000, MacOSX 4.11 or later
PAPER INPUT CAPABILITY	• Single roll: 1 roll < 150mm / Outside diameter Media width: 203mm - 432mm (8" - 17") Media thickness: 0.08mm - 1.50mm
PAPER OUTPUT CAPABILITY	• Single roll system, Auto media cutter
PRINTING AREA (WIDTH)	• Maximum paper width; Roll Paper: 406mm-610mm, 2 / 3 inch core Cut Sheet: 210mm-610mm
CONSUMABLES PARTS	• Cutter blade, maintenance tank, borderless maintenance tank
MAINTENANCE PARTS	• Pump unit, flushing box, head cleaner, cap assembly
RELIABILITY	• Cutter Blade: Coat paper, approx. 2000 cuts • Carriage Motor: Approx. 20,000 B0+ sheets
CONTROL PANEL	• Colour: 2.5 inch LCD screen • Size: 320 x 200 pixels
ROLL DIMENSIONS	• Core diameter 2" or 3", Max. Outside Diameter Ø 150mm
MEMORY	• Printer: 256MB • Network: 64MB
LANGUAGES	• ESC / P2 Raster
INTERFACES (STANDARD)	• USB 2.0 (Compatible with 1.1) / 10Base-T 100 Base-TX
VOLTAGE / CURRENT	• 100 - 120V / 220 - 240V
POWER CONSUMPTION	• Operating 70W • Standby <1W • <Sleep 16W
DIMENSIONS	• 863mm x 1134mm x 405mm
WEIGHT	• Approx. 52kg (excluding Ink and Media)
WARRANTY	• Standard 1 year onsite

Epson Stylus Pro 7900

SIZE	• 24 inch wide
INK MODE	• 10 Colour (11 inks onboard) Auto switching between Photo and Matte Black
PRINT TECHNOLOGY	• Print Head: MicroPiezo™ TFP (Thin Film Piezo) Print Head • Nozzle Configuration: 360 nozzles per colour • Print Direction: Bi-directional printing, uni-directional printing
PRINT RESOLUTION	• Maximum resolution: 2880dpi x 1440dpi Epson Variable-sized • Maximum Ink Droplet Size: Droplet Technology, 3.5pl
INK SYSTEM	• Ink type: Epson UltraChrome™ HDR (High Dynamic Range) Ink • Configuration: 10-Colours pigment ink (C, M, Y, PK, MK, LC, LM, LK, LLK O, G) with 11 slots • Ink Cartridge: Auto switching between Photo and Matte Black • Ink Capacity: Individual high capacity hot swappable ink cartridge 350ml or 700ml
PRINTER SPEED – A1 SIZE	• Draft (360 x 360dpi): 0.8 minutes • Fine (720 x 720dpi): 4.5 minutes • Super fine (720 x 1440dpi): 6.8 minutes • Super Photo (2880 x 1440dpi): 13.4 minutes
PRINTER DRIVER	• Win2000, XP(32bit/64bit), MacOSX 10.3.9 or later
PAPER INPUT CAPABILITY	• Roll Media; Single roll: 1 roll < 170mm/Outside diameter Media width: 254mm-620mm Maximum Media Thickness: 0.8mm-1.5mm
PAPER OUTPUT CAPABILITY	• Output bin, Rotary cutter blade, single roll system

Epson Stylus Pro 7900

PRINTING AREA (WIDTH)	• Maximum paper width; Roll Paper: 406mm-610mm, 2 / 3 inch core Cut Sheet: 210mm-610mm
CONSUMABLES PARTS	• Cutter blade, maintenance tank
MAINTENANCE PARTS	• Pump unit, flushing box, head cleaner, cap assembly
RELIABILITY	• Cutter Blade: Coat paper, approx. 2000 cuts • Carriage Motor: Approx. 20,000 B0+ sheets
CONTROL PANEL	• Colour: 2.5 inch LCD screen • Size: 320 x 200 pixels
ROLL DIMENSIONS	• Core diameter 2" or 3", Max. Outside Diameter Ø 150mm
MEMORY	• Printer: 256MB • Network: 64MB
LANGUAGES INTERFACES (STANDARD)	• ESC / P2 Raster • USB2.0 (Compatible with 1.1) • Ethernet 10 Base-T 100 Base-TX
VOLTAGE / CURRENT	• AC 100-120V / 220-240V
POWER CONSUMPTION	• Operating: 70W • Standby: <1W • Sleep: <16W
DIMENSIONS	• 1356 x 667 x 1218 (mm)
WEIGHT	• Printer: 84.5kg (includes stand)
WARRANTY	• Standard 1 year onsite

Epson Stylus Pro 9900

SIZE	• 44 inch wide
INK MODE	• 10 Colour (11 inks onboard) Auto switching between Photo and Matte Black
PRINT TECHNOLOGY	• Print Head: Advanced MicroPiezo® TFP (Thin Film Piezo) Print Head • Nozzle Configuration: 360 nozzles per colour • Print Direction: Bi-directional printing, uni-directional printing
PRINT RESOLUTION	• Maximum resolution: 2880dpi x 1440dpi with Epson Variable Sized • Maximum Ink Droplet Size: Droplet Technology, 3.5pl
INK SYSTEM	• Ink Type: Epson UltraChrome® HDR (High Dynamic Range) Ink • Configuration 10-Colours pigment ink (C, VM, Y, PK, MK, LC, VLM, LK, LLK, O, G) with 11 slots • Ink Cartridge: Auto switching between Photo and Matte Black • Ink Capacity: Individual high capacity hot swappable ink cartridge 350ml or 700ml
PRINTER SPEED – A1 SIZE	• Draft (360 x 360dpi) 0.8 minutes • Fine (720x720dpi) 4.5 minutes • Super Fine (720x1440dpi) 6.8 minutes • Super Photo (2880x1440dpi) 13.4 minutes
PRINTER DRIVER	• Win, XP(32bit/64bit), MacOSX 10.3.9 or later
PAPER INPUT CAPABILITY	• Single roll: 1 roll < 170mm / Outside diameter Media width: 254mm - 620mm Maximum Media Thickness: 0.8mm - 1.5mm
PAPER OUTPUT CAPABILITY	• Output bin, Rotart cutter blade, single roll system
PRINTING AREA (WIDTH)	• Maximum paper width; Roll Paper: 406mm-1118mm, 2 / 3 inch core Cut Sheet: 210mm-1118mm
CONSUMABLES PARTS	• Cutter blade, maintenance tank
MAINTENANCE PARTS	• Pump unit, flushing box, head cleaner, cap assembly
RELIABILITY	• Cutter Blade: Coat paper, approx. 2000 cuts • Carriage Motor: Approx. 20,000 B0+ sheets
CONTROL PANEL	• Colour: 2.5 inch LCD screen • Size: 320 x 200 pixels
ROLL DIMENSIONS	• Core diameter 2" or 3", Max. Outside Diameter Ø 150mm
MEMORY	• Printer: 256MB • Network: 64MB
LANGUAGES	• ESC / P2 Raster
INTERFACES (STANDARD)	• USB 2.0 (Compatible with 1.1) / Ethernet 10 Base-T 100 Base-TX
VOLTAGE / CURRENT	• 100 - 120V / 220 - 240V
POWER CONSUMPTION	• Operating 80W • Standby: <1W • Sleep: 16W
DIMENSIONS	• 1864mm x 667mm x 1218mm
WEIGHT	• Printer: 116kg (includes stand)
WARRANTY	• Standard 1 year onsite

*** LIGHTFASTNESS TEST CRITERIA** (INDOOR DISPLAY CONDITION)

Test Conditions
1. Under fluorescent light (Indoor Display Condition) with glass mount.
2. The data is calculated by Epson's accelerated test and it does not mean Epson guarantees periods.
3. The estimated longevity does not indicate the colour changing and the durability of the paper itself.
Light Source: Fluorescent
LightIntensity: 70,000 luxTemperature: 24°C
Humidity: 60% RH
Glass mount: 2mm, soda lime
Fade criteria: Pure YMC 30% loss at OD = 1Display-life calculation: Total illuminance/(500lux x 10hours x 365days = 1year)

For more information or detailed product specifications, call us at

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