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*ISO BVQI 14001 Certification Number 80679*

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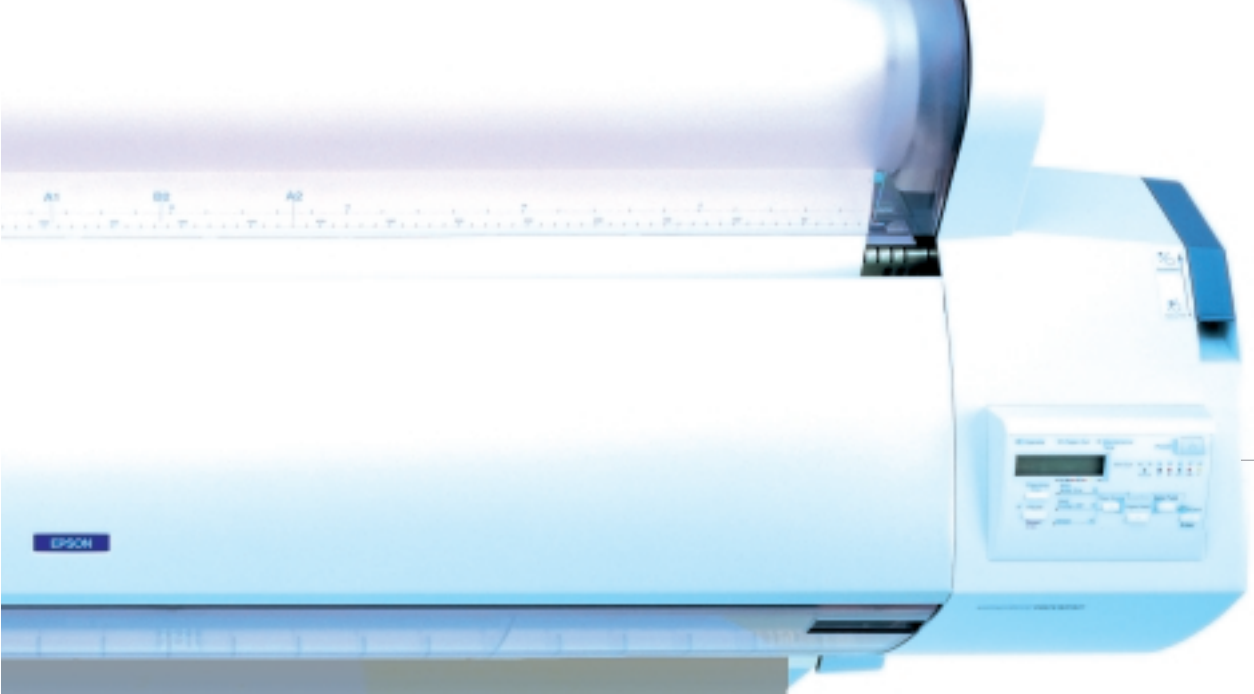
7600/9600SALESPK-GB

EPSON®

# EPSON® STYLUS™ PRO 9600/7600

*Information Guide*

- New EPSON UltraChrome™ 7-colour ink technology
- Black ink optimisation to meet all printing requirements
- New Light Black ink for superior greyscale printing
- New advanced 2880dpi Micro Piezo™ Printhead Technology
- High print quality, low cost per print
- Optional advanced software Postscript® RIP solutions


EPSON

# EPSON® STYLUS™ PRO 7600
# EPSON® STYLUS™ PRO 9600

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# EPSON STYLUS PRO 9600 AND STYLUS PRO

**EPSON would like to present an innovation in Large Format Printing. EPSON UltraChrome™ Ink incorporates exceptional brilliant colour reproduction quality with vast media flexibility, and provides lightfastness in excess of 75 years*. This new ink technology represents a new direction from EPSON in providing professional printing solutions. And it offers a new solution that's ideal for every large format printing application, from photography to proofing, fine art, POP, and CAD/GIS.**

**Lifespan of prints varies with media type. Refer to catalogue for details.*

## EPSON ULTRACHROME INK™

The EPSON STYLUS™ PRO 9600 employs a newly developed pigment ink – EPSON UltraChrome™ Ink. It provides excellent archiveability which out-performs any dye-based inks. The new 7-colour ink system includes new light black ink for more subtle monochrome gradations, and it reduces graininess in mid to high density areas. In addition, the standard Photo Black ink is replaceable with the optional Matte Black ink. This system provides excellent photo quality on special media and plain paper.

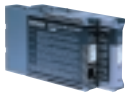
Each pigment particle is encapsulated in a special resin coating. This new technology offers ideal light reflection and enables reproduction of sharper images.

The EPSON STYLUS™ PRO 9600 features an optional ink cartridge system with high capacity 220ml ink cartridge for increased cost savings.

220ml Optional Cartridge

110ml Regular Cartridge

Photo Black & Light Black



Matte Black & Matte Black

Matte Black & Light Black

## LINER ENCODER & DC SERVOMOTOR

The position and speed of the head is detected by a linear encoder and fed back to the drive system. This ensures precise head positioning, even during 44 inch bi-directional printing, and supports high definition photo printing at 2880dpi.

A DC servo motor and steel belt are used for the drive system. This system supports precise and stable head movement.

## EPSON STYLUS™ PRO 7600

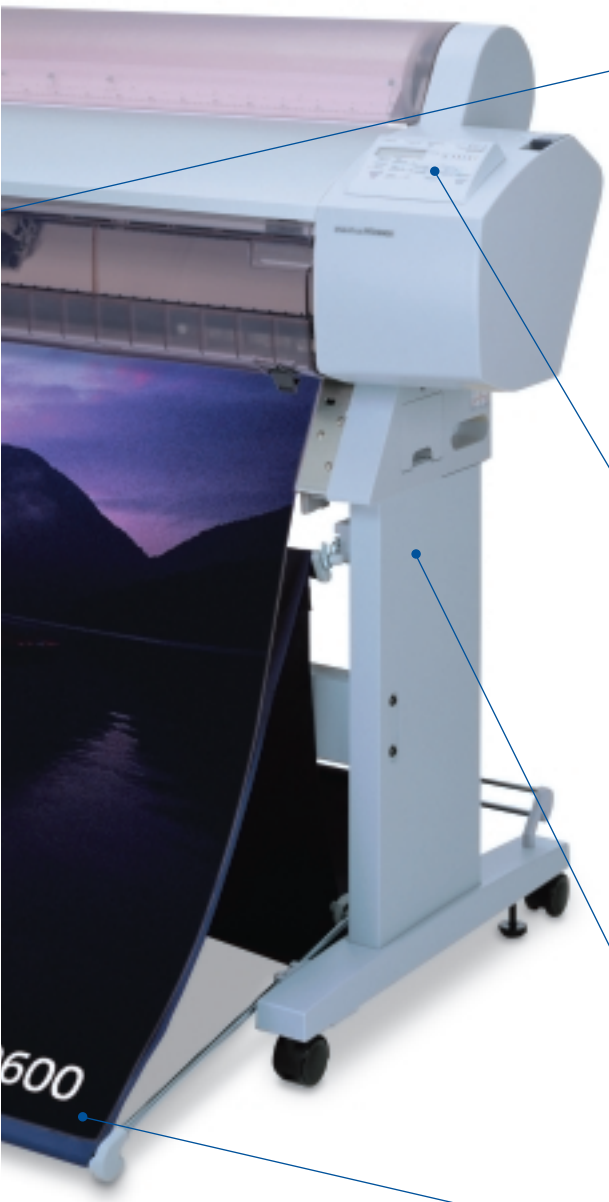
The EPSON STYLUS™ PRO 7600 is a sister model of the EPSON STYLUS™ PRO 9600 which incorporates the same new system providing maximum 2880dpi image quality at up to A1 print size. This space saving model makes high quality colour printing simple and cost effective.

Maximum 2880 x 1440dpi with EPSON UltraChrome™ Ink. 7 colour separate ink cartridges (110 ml only).

## MEDIA HANDLING

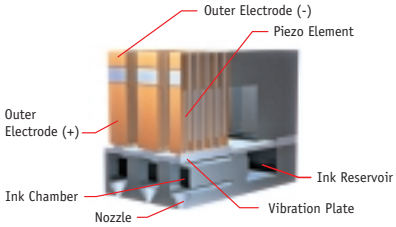
The EPSON STYLUS™ PRO 9600/7600 offers versatile media handling for a variety of applications with automatic paper cutter. A manual cutter is also available for cutting cloth-based and fine art media. The paper basket is adjustable with one-touch operation when feeding the media to the back of the printer. And an optional Auto Take up Reel Unit is available with the EPSON STYLUS™ PRO 9600.

# 7600



## MAX 2880 X 1440 DPI RESOLUTION

Maximum 2880x1440dpi resolution is achieved for the first time on a Large Format Printer. EPSON exclusive Micro Piezo Head and Variable-Sized Droplet Technology (VSDT) enable the production of several different sizes of ink droplet that are smaller than the size of the nozzles. The tiny 4pl EPSON Ultra Micro Dot enhances quality, and, together with the special features offered by the new pigment inks, helps reproduce sharp images without bleeding. The number of nozzles has been increased to 96 per colour to print up to 1.5 times faster than previous models.




## BACKLIT LCD

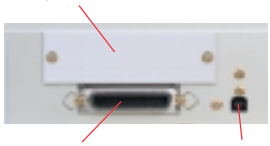
Printing can be fully controlled from your desktop. The front-mounted, intuitive control panel with backlight provides a wealth of information. Paper feeding and head cleaning can be controlled through this panel, which also clearly displays the level of ink remaining in each ink cartridge, which can also be checked via the printer driver.

OPERATION PANEL
Each EPSON UltraChrome Ink cartridge is equipped with CSIC, which enables accurate monitoring of ink levels via driver and operation.

MAINTENANCE TANK

## HIGH SPEED INTERFACE

In addition to the conventional parallel port, the printer comes standard with USB2.0 (compatible with USB1.1) supporting high-speed mode transfer rates of up to 480 Mbps. Optional 10/100 Ethernet card, and IEEE 1394 (Firewire) card are also available.



100BASE-TX/10BASE-T Ethernet I/F Card

IEEE1394 I/F Card

## BORDERLESS PRINTING

Borderless printing is featured for the first time on a large format printer. Select either left/right-side borderless, four-side borderless (1 cut and 2 cut) depending on the requirements of the applications. This reduces production finishing time.

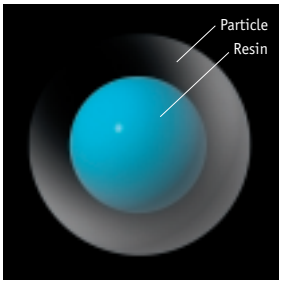
**BACK**

**AUTO TAKE UP REEL (OPTION)**

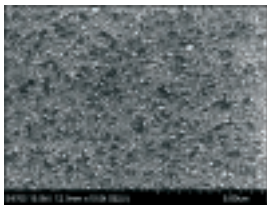
**MANUAL CUTTER UNIT (OPTION)**

# NEXT GENERATION EPSON

**High density, colour stability, and high archiveability – these are features of the newly developed EPSON UltraChrome™ inks which take printing to a new level of colour reproduction, applying advanced technology and using the characteristics of pigment ink.**




**PHOTOMICROGRAPH**



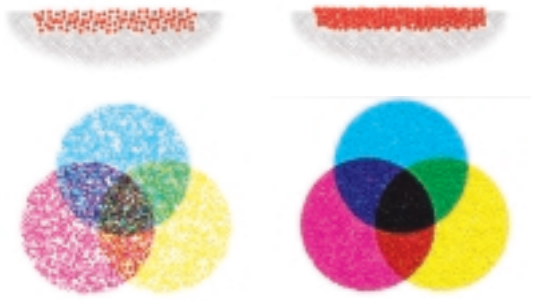
EPSON UltraChrome Ink
Sub micro and uniform pigment particles X 10,000

The EPSON STYLUS™ PRO 9600/7600 uses EPSON's newly developed UltraChrome™ Ink. Its exceptional colour reproduction technology and short term stability support proofing that requires fast and accurate results.

## EPSON ULTRACHROME™ INK

EPSON has developed EPSON UltraChrome™ Ink, featuring high density, exceptionally vivid colours, and high media flexibility. EPSON Micro Encapsulation technology encloses each sub micro and uniform pigment particle in a transparent resin coating, enabling penetration into the media substrate and the formation of a smooth coating for perfect light reflection. It reduces irregular reflection especially when using glossy media, which along with seven ink colours, gives each image a vibrant lustre.

**INK COMPONENT IMAGE**

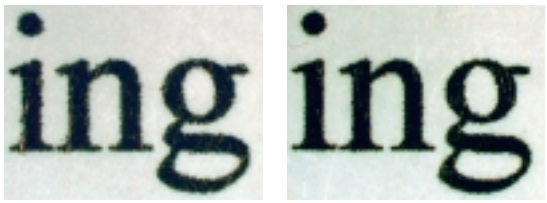


Former EPSON pigment Colour Fast Ink

EPSON UltraChrome Ink Sub-micro particles and high density ink supports brilliant colour reproduction.

## SUB MICRO PARTICLES, HIGH DENSITY PIGMENTED INK

With pigment ink, smaller particles reproduce higher colour quality. EPSON UltraChrome™ Ink has succeeded in creating pigment particles that are less than half the wavelength of visible light. Compared to earlier EPSON pigment ink, EPSON UltraChrome™ Ink doubles the quantity of pigment in the colour ink set. This enables brilliant colour reproduction matching, surpassing that of general offset printing and silver halide photo reproduction. Additionally it offers exceptional image quality on fine art media, canvas media and other matte finish media. EPSON UltraChrome™ Ink offers the user a new and advanced form of expression.




Dye Based Black Ink OD 1.3*

Matte Black Ink OD 1.4*

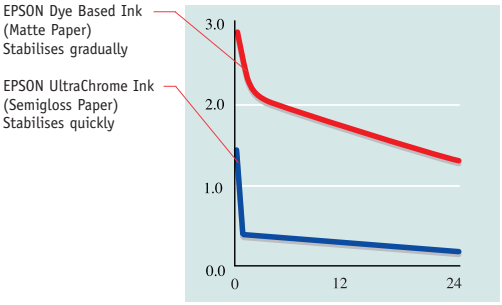
* Printed on non coated plain paper

**High density Matte Black**

Compared to previous black pigment inks, matte black ink contains three times the quantity of colorant, offering sharp edges and a higher Optical Density level on matte finish media, plain paper, and newspaper media.

The EPSON STYLUS™ PRO 9600/7600 uses EPSON's newly developed UltraChrome™ Ink. Its exceptional colour reproduction technology and short term stability support proofing through DDCP and CTP processes that require fast results.

The software RIP Perfect II comes with Fiery Spark Professional as standard for high-quality inkjet printing. It offers accurate, hassle-free job management and colour management.



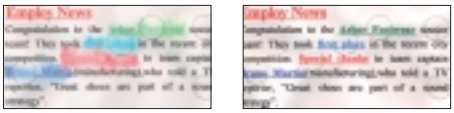

## SUPERIOR SHORT TERM COLOUR STABILITY

Another huge advantage of EPSON UltraChrome™ ink is colour stability. When compared to conventional dye inks, UltraChrome™ inks reduces the time it takes for the colour of a printed image to stabilise. Therefore, it is highly effective for applications requiring accurate colour measurements to be taken, such as proofing where short-term colour stability is required.

### Short Term Colour Stability Test Conditions

*Printed 60% grey, using dye-based ink and pigmented ink, and measured against the time it takes to stabilise.*

**WATER RESISTANCE**



Dye Based Ink
With dye based ink, the components will dissolve in water and the ink will spread.

EPSON UltraChrome Ink
Both black and colour inks offer extremely high water resistance.

## EXTREMELY HIGH WATER RESISTANCE EPSON ULTRACHROME™ INK™

Since dye is water soluble, dye ink is weak against moisture and water. EPSON UltraChrome™ Ink uses resin coated pigment particles for both colour and black inks to provide extremely high water resistance.

**EXCELLENT FADE RESISTANCE**

Particle

Light/Gas

Colour remains in centre of particle even after outer colour fades

## 75 YEARS* ARCHIVEABILITY

Colours remain vivid given that only the surface of the pigment particles are affected by light and atmospheric gases. In addition, each pigment particle is encapsulated in a special resin. The resin forms a coating layer on the surface of media, reducing the contact with the oxide gas in the atmosphere for improved image archiveability.

**Life span varies with media type. Refer to web site or catalogue for details.*

**DYE BASED INK** **PIGMENT INK**

before after before after

### Light Resistance Test, UltraChrome™ Ink vs Dye-based Ink

*Test Conditions*
*1. Under fluorescent light (indoor display condition) with glass mount.*
*2. Data is calculated by EPSON's accelerated test and does not mean EPSON guarantees periods.*
*3. The estimated longevity does not indicate colour changes or durability of the paper itself.*
*Lightfastness Test Criteria (Indoor Display Condition)*
*Light Source: Fluorescent Light*
*Intensity: 70,000 lux*
*Temperature: 24OC*
*Humidity: 60%RH*
*Glass mount: 2mm, soda lime*
*Fade criteria: Pure YMC 30% loss at OD = 1*
*Display-life calculation: Total illuminance*

**DYE BASED INK** **PIGMENT INK**

### Gas Resistance Test for EPSON UltraChrome™ Ink and Dye-based Ink

*Conditions*
*Exposure at 2-ppm ozone density.*
*Temperature: 24°C*
*Humidity: 60%RH*
**1 : 1 hour exposure at 2 ppm density.*
**2 : 24 hour exposure at 2 ppm density.*
*(EPSON Investigation)*

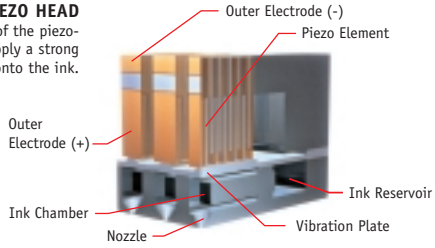
# MICRO PIEZO HEAD TECHNOLOGY

**Maximum 2880 x 1440dpi – EPSON has again achieved the highest resolution available with pigment inks. The improved Micro Piezo head enables accurate firing of EPSON's new UltraChrome™ Inks.**

## MAXIMUM 2880x1440DPI. MINIMUM 4PL. THE FIRST ULTRA-HIGH RESOLUTION LARGE FORMAT PRINTER

2880 x 1440dpi with 4pl droplet – unquestionable quality.
The EPSON STYLUS™ PRO 9600/7600 has achieved the best output resolution yet, offering 2880 x 1440dpi for the first time on a Large Format printer. And minimum droplet size of 4pl is the smallest yet, using pigment inks. High resolution output with UltraChrome™ archive ink is a unique feature supported by innovative Micro Piezo™ technology. This technology is standard in all EPSON inkjet printers, and is renowned for its precise control of ink ejection with minimal ink misting.

**MLP TYPE MICRO PIEZO HEAD**
The vertical pulse of the piezo-electric elements apply a strong force directly onto the ink.

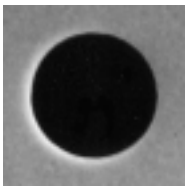



## NEWLY DEVELOPED - MLP TYPE MICRO PIEZO HEAD

The Micro Piezo Head meticulously controls the printing process, placing virtually invisible EPSON Micro Dots straight onto the media with superb accuracy. The Piezo elements of each nozzle swiftly change form according to the electronic signals received. The new head applies a stronger force directly onto the ink to fire more precise ink droplets onto the media.

## INK DROPLET PRECISION

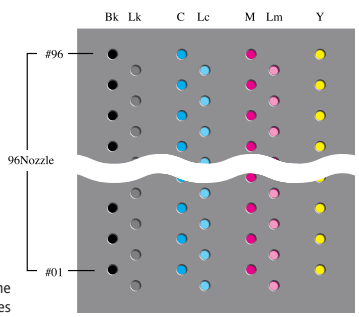
Meticulous micro-meter control enables the highest resolution up to 2880 x 1440dpi.



Completely Round Nozzle
25µm in diameter

## PERFECTLY SYMMETRICAL ROUND NOZZLES

The Micro Piezo Head uses perfectly symmetrical round nozzles which are comparatively large, with a diameter of 25 microns. This eliminates the clogging of high-density pigment inks. Furthermore, the rifle-like nozzle structure produces the smooth ink flow to achieve rapid and accurate ejection of ink droplets.




Increased speed with the newly equipped 96 nozzles

## 96 NOZZLES. THE NEWLY EVOLVED MICRO PIEZO HEAD ENABLES FAST PRINTING

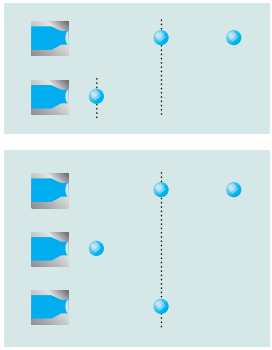
In the EPSON STYLUS™ PRO 9600/7600, the number of nozzles has been increased to 96 per colour for print speed up to 1.5 times faster (on matte paper) than previous models.

Ultra-high resolution at a maximum of 2880x1440dpi and the smallest ink droplets (4pl) enable fine precision output. The new Micro Piezo Head inside the EPSON STYLUS™ PRO 9600/7600 guarantees faithful photographic reproduction with high-quality digital photo prints.

EPSON PageProofer provides an easy way to lay out a group of pictures on a page and print them on your EPSON printer. Colour management function using ICC profile available.

For nozzles which are not firing, the ink viscosity increases, and the firing position shifts.

Applies micro-vibrations to non-firing nozzles continuously, ink viscosity is maintained, and it enables the accurate firing.



## MORE ADVANCED MENISCUS CONTROL

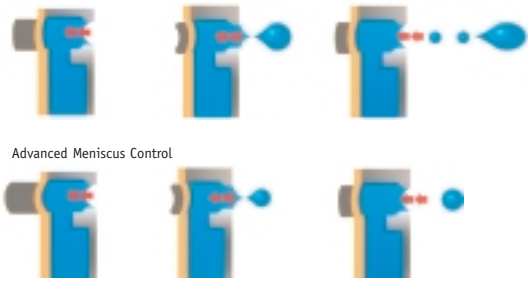
The active meniscus control takes perfect control over the sizes and the paths of droplets that are smaller than the nozzles. And unlike other heads that use heat energy, the firing precision does not vary with the type of inks. The precision – crafted Micro Piezo Head features truly circular nozzles, a major factor in the stable firing process.

### Micro Vibration Technology

By continuously applying micro-vibrations to non-firing nozzles, a constant ink viscosity is maintained, resulting in pin-point accuracy in the placement of ink droplets.

Conventional Vibration System

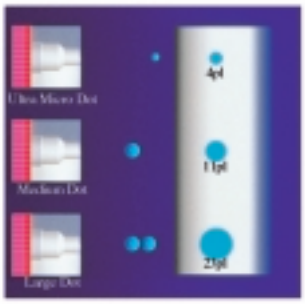
Advanced Meniscus Control



### Stronger Meniscus Control

By increasing the "pull" on the ink surface, it is possible to minimise the size of the high-density pigment ink droplets. And reducing the residual after-fire vibration prevents misting where misting occurs with conventional vibration systems designed for dye-based inks. With advanced Meniscus Control, virtually no misting occurs for even high-density pigment inks.

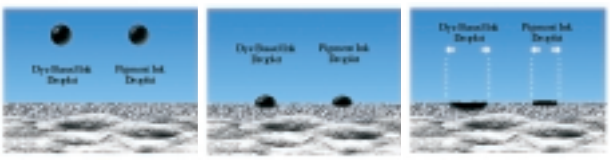
**VSDT (VARIABLE-SIZED DROPLET TECHNOLOGY)**
Ultra Micro Dots as small as 4pl are used to produce the finest details and subtle gradation while larger dots are used in darker and more solid areas to optimise the print speed.




## EPSON VARIABLE-SIZED DROPLET TECHNOLOGY (VSDT)

The Micro Piezo Head produces several different sizes of ink droplet depending on the image and type of media used, controlling the electric pulse applied to the Piezo element. The newly developed MLP type Micro Piezo Head improves this VSDT function to enable the firing of high density EPSON UltraChrome™ Ink. This system not only improves image quality, but also optimises the print speed.

**IMAGE OF DYE-BASED INK AND PIGMENT INK AFTER IMPACT**



Since EPSON UltraChrome™ Ink does not get absorbed and rapidly adheres to the paper to substantially limit spreading of the ink upon contact, 4pls of high density pigment ink is equivalent to 2pls of dye based ink.

## ULTRA-FINE 4PL. PIGMENT INK THAT DOESN'T RUN

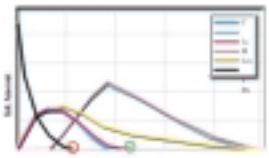
When dye based inks are applied, they are absorbed by the fibres on the surface of the paper. In contrast, pigment colorant does not get absorbed and rapidly adheres on to the paper to substantially limit spreading of the ink upon contact. In other words, for the same sized particles, photographs printed with EPSON UltraChrome™ Inks deliver significantly sharper images.

# THE 7TH COLOUR: LIGHT BLACK INK

**The new "Light Black" is added as the 7th colour. It is used to bring about detailed gradations in the dark areas and gray scales. In addition, the availability of Matte Black ink (exchangeable with Photo Black ink) serves the various requirements of Fine Art and other applications.**

**INK CARTRIDGE STORAGE COMPARTMENT**
Seven colour including light black. The SP9600 supports the optional 220ml high-volume ink cartridge.

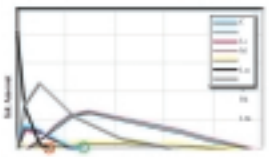
**PRODUCTION OF EACH COLOUR DURING GRAYSCALE PRINTING**
6 Colours Recorded



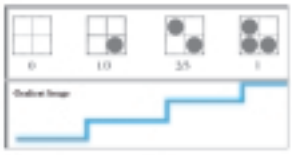
Without light black, cyan, magenta, and black dots at low saturation causes noticeable graininess.

Two tone levels when not using Light Black

**SHADE SUBDIVISIONS USING LIGHT BLACK**
7 Colours Recorded



With light black, the use of cyan, magenta, and black dots is shifted to darker areas for reduced graininess.



Light black reproduces smooth midtones.

TARGET APPLICATION
Professional Photography (Portrait, Wedding Photography, B&W Photography) Professional Pre-press Proofing (Contract Proofing, Imposition Proofing ) Other Various Applications

TARGET APPLICATION
Fine-Art, B & W Photo on matte/fine art paper, POP, Newspaper Proofing

## THE 7TH INK: LIGHT BLACK

EPSON STYLUS™ PRO 9600/7600 employs a new ink colour - Light Black. With the addition of this colour, the gradation expression in dark areas as well as black and white images dramatically improves to a level unattainable with ordinary black ink. In terms of the balance with other colours, the density of Light Black ink has been reduced to approx. one third of regular pigment black ink.

## REDUCED GRAININESS AND ENHANCED TONES

By using light black, the range of shades in monochrome images and dark areas is significantly enhanced, which cannot be achieved by the single black ink system. In addition, for dark areas, the use of light black in place of a cyan, magenta, and black dots combination enables the reproduction of subtle gradations and less grainy images.

## STANDARD MODE (PHOTO BLACK+LIGHT BLACK)

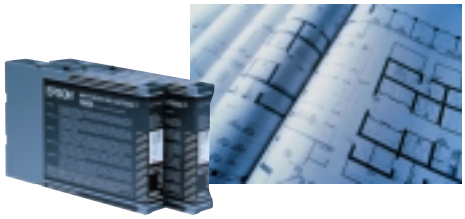
The standard 7 ink set consists of 5 colour inks, photo black and light black. The wide range of colour reproduction achieved by EPSON UltraChrome™ Ink makes this printer suitable for a variety of applications, from photography and digital proofing to poster production.

## FINE-ART MODE (MATTE BLACK+LIGHT BLACK)

The high-density Matte Black enables the reproduction of high-contrast images with brilliant colour on matte paper. It not only brings out the best features in matte paper, but also displays a high degree of expression on fine art and newspaper proofs.

Light Black, available on the EPSON STYLUS™ PRO 9600/7600 enriches the shading of dark areas and grey areas. This opens up new opportunities in the world of black and white fine art, as well as other digital art applications.

EPSON GRAYBALANCER
This utility corrects grayscale and adjusts the slightest change. It also allows you to make even the tiniest changes in gray-scale gradations.
It produces works in warm, cool, or any other chosen tone.

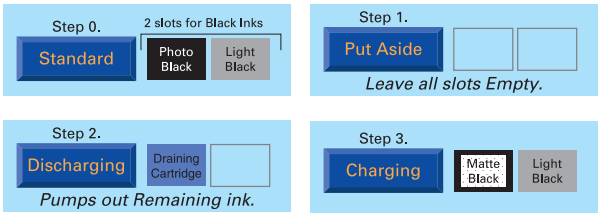


## PLAIN PAPER MODE (MATTE BLACK + MATTE BLACK)

When speedier black and white output is needed, insert two Matte Black ink cartridges into the black ink slots - print time is cut by half when using two Matte Black inks simultaneously. With this Plain Paper mode, it delivers fast, crystal-clear printing of black and white intensive CAD/GIS outputs.

## INK CONVERSION

It is possible to change black inks by simply using a draining cartridge. The draining cartridge removes ink remaining in the tube.




**Example**

Conversion from Standard Mode to Fine-Art Mode

STEP 0

Photo black and light black ink cartridges are installed.

STEP 1

Remove both cartridges from slots.

STEP 2

Insert the draining cartridge into the slot where the ink type is to be changed, and remove remaining ink.

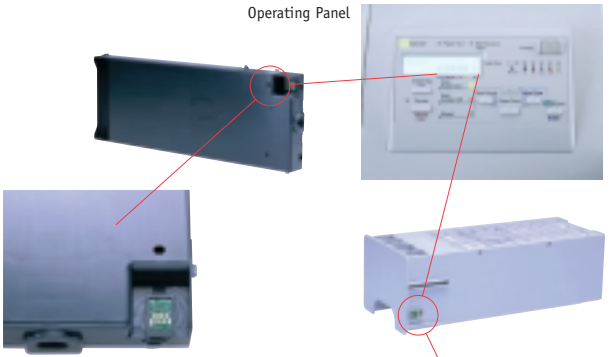
STEP 3

Insert matte black and light black ink cartridges in an appropriate slots and charge new inks.

Neutral Sepia Cool Warm

## GRAYSCALE PRINTING FOR VARIOUS ARTISTIC NEEDS

Tone adjustment function offers a range of grayscale printing modes. EPSON UltraChrome™ Ink offers exceptional image quality on matte media. And the variety of media supported by matte black ink will significantly increase the users' options.




Each EPSON UltraChrome™ Ink cartridge is equipped with CSIC, which enables accurate monitoring of ink levels via driver and operating panel.

The maintenance tank, which accumulates the waste ink, is located in the bottom right-hand side. Here, too, an IC chip is installed, which sends available ink volume information to the operating panel.

## LARGE LCD PANEL WITH BACK LIGHT

The operating panel is equipped with a large backlit LCD screen. This panel provides concentrated control of power on/off, paper selection, paper feed, ink levels, waste ink confirmation, head cleaning, etc., rather than relying on driver utility User Interface. In particular, the large LCD panel is constantly displaying information from the ink cartridges and maintenance tank to enable the checking of the ink status at a glance.

# INNOVATIVE FUNCTIONS

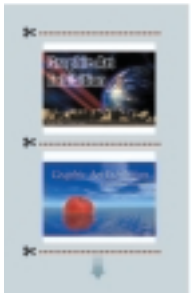
**The EPSON STYLUS™ PRO 9600/7600 is equipped with various innovative functions to ensure maximum productivity and quality. Media handling, mechanical operation, and other functions are designed for every large format printing requirement.**

## BORDERLESS PRINTING

The EPSON STYLUS™ PRO 9600/7600 has achieved borderless printing on all 4 sides for the first time on a Large Format printer. Borderless printing supports various sizes of media and assists in the reproduction of photographs, POP or posters without losing valuable production time by removing margins. An auto paper cutter comes as standard, and 3 cutting patterns can be selected on the operating panel. (Default setting: 2-side-borderless printing)

**3 MODES FOR BORDERLESS PRINTING**

**MODE 1: 2 SIDE**



Panel Setting
BORDERLESS
PRINT=LEFT&RIGHT (1 Cut)

Default setting. Separates two images and prints without left/right borders. Cut in the centre of white space between two images.

**MODE2: 4 SIDE**

Panel Setting
BORDERLESS
PRINT=borderless printing on all 4 sides (1Cut)

Prints images continuously without left/right borders. Cut in the centre of two images. This method wastes the least amount of paper. (May show a small area of image from the other image.)

**MODE 3: 4 SIDE**

Panel Setting
BORDERLESS
PRINT=borderless printing on all 4 sides(2 Cut)

Prints images with white space between. Cuts close to the border of image.

### 3 modes for Borderless Printing

**Supported Media by Hardware Width:*
*24", 36", 44", 300mm, 600mm*
*Recommended EPSON Genuine Media*
*Premium Luster Photo Paper*
*Premium Glossy Photo Paper (250g)*
*Supports EPSON Genuine media/Size*
*Premium Luster Photo Paper*
*300mm, 600mm in addition to 24", 36" and 44".*
*Note: Depending on the image pattern, the uneven colour pass might be seen at approximately 5 cm from the top. Mode 1 does not have this problem.*

## MEDIA HANDLING

The precision paper feeding engine supports high quality printouts, and the standard automatic paper cutter offers smooth continuous printing. Furthermore, the EPSON STYLUS™ PRO 9600/7600 is equipped with convenient functions to protect media during and after printing. (An exclusive stand is included as standard with the EPSON STYLUS™ PRO 9600/7600.)

**REAR LOADING**

**FRONT LOADING**

**Paper Basket (featured for each exclusive stand)**

The finished printouts are collected safely in a cloth-made paper basket, ensuring printouts are protected after printing. Whether loading the paper to front or back, the paper basket is adjustable with one-touch operation for collecting the printouts.

**Auto Take-Up Reel Unit (EPSON STYLUS™ PRO 9600 only)**

The printed roll is automatically taken up by a sensor-aided Auto Take-Up Reel Unit before reaching the floor. It is a practical solution which avoids folding and creasing when printing extra long images such as banners or multiple images on the roll. The user may choose whether to wind paper with the printed side facing down or up.

**Manual Cutter Unit (Optional)**

The manual cutter proves useful when printing on hard and thick media which cannot be cut by the Auto Paper Cutter (Spare blade optional). The Manual Cutter Unit is available with both the EPSON STYLUS™ PRO 9600/7600.

The EPSON STYLUS™ PRO 9600/7600 has achieved borderless printing on all 4 sides for the first time on a Large Format printer. The easy media handling, easy-to-operate driver, and the array of utility software all helps in the creation of eye-catching POP and posters.

2-Inch Roll Mode without 3-inch Adjuster

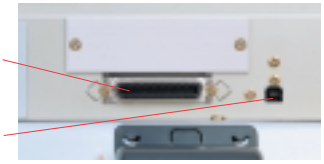
With 3-inch Adjuster

Easy front-loading for roll media

## 2/3 INCH DUAL ROLL FEED SPINDLE (OPTIONAL)

By simply attaching the 3" adjuster, the 2/3 inch dual roll feed spindle handles not only 2" core rolls, but also 3" core rolls, and it supports a variety of media. Both 24" and 44" are available. A high-tension spindle is available on both the EPSON STYLUS™ PRO 9600/7600.

### CONNECTIVITY AND COMPATIBILITY




### TYPE B SLOT

IEEE 1394 (Firewire) Card

10/100 Base Ethernet Card

## CONNECTIVITY

In addition to the conventional parallel port, the printer comes standard with USB2.0 (compatible with USB1.1) supporting transfer rates of up to 480 Mbps in the high-speed mode. Optional 10/100 Ethernet card, and IEEE 1394 (Firewire) card are also available.

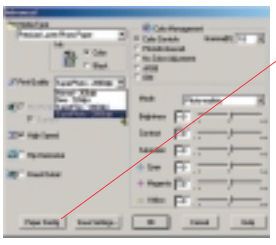
## PRINTER DRIVER

In addition to printing in auto-mode, the printer driver supports custom printer settings for paper size, output resolution, and colour adjustment. And in order to answer the needs of professional users with specific output needs, Paper Configuration mode is included. Three types of settings are available to enable the highest quality of output: paper handling parameters, paper feed adjustment, and paper thickness adjustment.

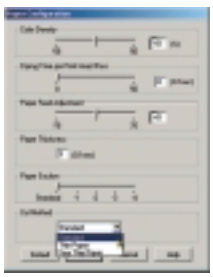
### CUSTOM MODE ››› PAPER CONFIGURATION

Check the amount of remaining ink via the printer driver.

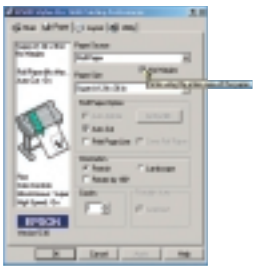
Check the amount of remaining ink via the printer driver.



In the "Advanced" setting under Custom Mode, it is possible to adjust custom configurations for Media Type, Print Quality, and Colour Management all in the same window.



In the Paper Configuration mode, it is possible to set the configuration for different paper settings, such as Paper Feed Adjustment, Paper Thickness Adjustment, and Cut Method. This enables, for example, the cutting of thin paper such as newspaper. This allows for the professional to make "final touch" adjustments on their production.

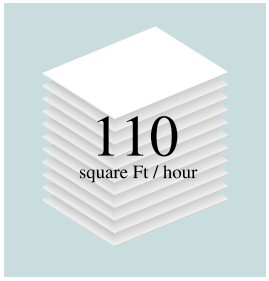


Simply mark the "No Margins" checkbox on the Paper Source setting to set borderless printing.

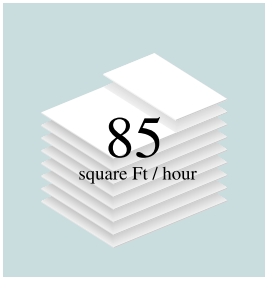
# COMPARISON

**The EPSON STYLUS™ PRO 9600/7600 achieves a new level of performance supported by many innovative new technologies. EPSON UltraChrome™ Ink with new light black ink reproduces accurate colour and unmatched photo quality. The new Micro Piezo Head achieves an ultra-high resolution of up to 2880 x 1440dpi and improved print speed with 96 nozzles per colour.**

**EPSON STYLUS™ PRO 9600/7600**




**HP DESIGNJET 800/500**




EPSON 360 x 360dpi
HP 300 x 300dpi

SCID: ISO "Bike"
OS: Windows 2000
I/F: Parallel

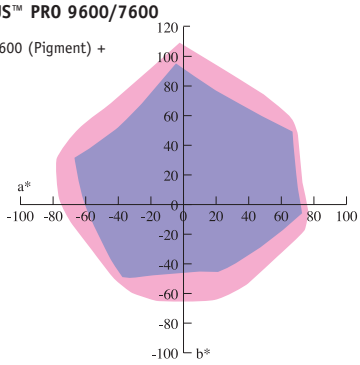
## COMPARISON OF COLOUR IMAGE THROUGHPUT

While enabling high resolutions of up to 2880dpi x 1440dpi, the adoption of the new print head with 96 nozzles per colour has led to an increase in print speed. The obvious speed improvement is noticeable not only when printing business documents in "standard" mode, but also on high quality photos in "high definition" or "quality" mode.

**EURO SCALE VS EPSON STYLUS™ PRO 9600/7600**

EPSON STYLUS™ PRO 9600/7600 (Pigment) + Proofing Paper Semimatte

EURO Scale




## GAMUT

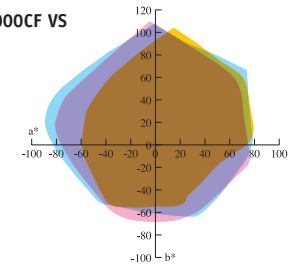
Compared with former pigment ink sets, EPSON UltraChrome™ Ink produces twice the colour density for magenta, cyan, and yellow, and triple the colour density for matte black. In addition, the extremely fine particles in all inks reproduce vivid colours. Its reproducible colour range is higher than that of general offset printing and silver halide photos.

**EPSON STYLUS™ PRO 9600/7600/10000CF VS HP DESIGNJET 5000**

EPSON STYLUS™ PRO 9600/7600 + Photo Glossy Paper

EPSON STYLUS™ PRO 10000CF + EPSON Proofing Paper

HP designjet 5000 (Dye Model) + Photo Imaging Gloss

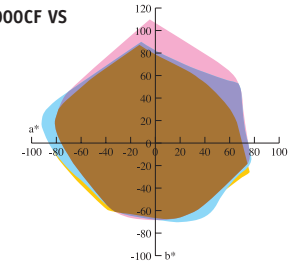



**EPSON STYLUS™ PRO 9600/7600/10000CF VS HP DESIGNJET 5000**

EPSON STYLUS™ PRO 9600/7600 + Photo Glossy Paper

EPSON STYLUS™ PRO 10000CF + Photo Glossy Paper

HP designjet 5000 UV (Pigment Model) + Durable Image Gloss UV



ORIGINAL

## IMAGE QUALITY COMPARISON (COLOUR)

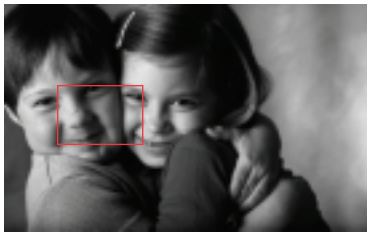
7 colour system with new light black ink combined with new Micro Piezo Head technology enables superb gradation expression. Excellent tone reproduction in the dark areas creates smooth and subtle gradations to enhance the 'feel' of the objects in the image. And shades in high light to medium density backgrounds are free from graininess and enhance natural gradations.

EPSON STYLUS™ PRO 9600/7600

HP DESIGNJET 800/500

| | | |
|---|---|---|
| OS: | Windows 2000 | |
| Software: | Photoshop 6.0 | |
| Media: | EPSON = | Premium Lustre Photo Paper |
| | HP = | High-Gloss Photo Paper |
| Ink: | EPSON = | EPSON UltraChrome™ Ink |
| | HP = | Dye Based Ink |
| Resolution: | EPSON = | 1440 x 720 dpi |
| | HP = | 1200 x 600 dpi |
| Size: | A4 | |
| I/F: | Parallel | |

ORIGINAL



## IMAGE QUALITY COMPARISON (MONOCHROME)

The light black ink enhances the range of shades in monochrome images and reproduces stable gray scale. In addition, light black reduces graininess caused by the conventionally used combination of cyan, magenta and black. Therefore, the monochrome image is consistent in tonality, and the expression of details such as shades in low to medium density transition is smooth and lively.

EPSON STYLUS™ PRO 9600/7600

HP DESIGNJET 800/500

| | | |
|---|---|---|
| OS: | Windows 2000 | |
| Software: | Photoshop 6.0 | |
| Media: | EPSON = | Premium Lustre Photo Paper |
| | HP = | High-Gloss Photo Paper |
| Ink: | EPSON = | EPSON UltraChrome™ Ink |
| | HP = | Dye Based Ink |
| Resolution: | EPSON = | 2880 x 1440 dpi |
| | HP = | 2400 x 1200 dpi |
| Size: | A4 | |
| I/F: | Parallel | |